

# भारत के मूल पत्तन आंकड़े

## BASIC PORT STATISTICS OF INDIA

### 2016-17



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

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 2016-17 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 3, 2018

Vikram 3/4/2018  
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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***

### Port Sector at a Glance: Macro Indicators

Item	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8
<b>1. No. of Ports (Number)</b>							
Major Port	12	12	12	12	12	12	12
Non-Major Port	199	200	200	200	205	205	205
Total	211	212	212	212	217	217	217
<b>2. Cargo Handled (Million Tonnes)</b>							
Major Port	570.09	560.19	545.83	555.49	581.34	605.89	648.47
Non-Major Port	315.36	353.74	387.92	416.97	470.89	465.87	485.22
Total	885.45	913.93	933.75	972.46	1052.23	1071.76	1133.69
<b>3. Containers</b>							
Major ('000 TEUs)	7561	7651	7714	7453	7960	8146	8442
('000 Tonnes)	114158	120276	119866	114672	119441	123168	124663
<b>4. Passenger Traffic ('000 Nos.)</b>							
Major Port	344	465	408	368	220	408	473
Non-Major Port	13535	20974	21645	21485	19434	22006	22599
Total	13879	21439	22053	21852.9	19654	22414	23072
<b>5. Employment ('000 Nos.)</b>							
Major Port	53	53	52	45	42	38	35
Non-Major Port	3	3	5	6	4	4	5
<b>6. Financial Performance - Major Ports (Rs. Million)</b>							
a) Total Revenue	80084	92672	99560	100854	103464	126811	134557
b) Total Expenditure	70431	83299	94446	98566	93462	106629	106388
<b>7. Performance Indicators- Major Ports</b>							
a) Total Cargo Vessels Sailed(Nos.)	22022	21163	19851	19759	19877	21488	21655
b) Av. Turn Round Time (Days)	5.29	4.56	4.29	3.84	3.89	3.51	3.48
c) Av. Pre-berthing Detention (Days)	2.32	2.05	1.79	1.48	1.61	1.31	1.27
On Port Account	0.5	0.45	0.50	0.27	0.21	0.16	0.22
On Non Port Account	1.82	1.60	1.29	1.21	1.39	1.16	1.05
d) Output per ship berth day (Tonnes)	9140	10575	11812	12179	12993	16471	19080
Container	17583	16968	19754	21546	20331	22244	24099
Break-Bulk	1922	1989	2384	2544	2600	3618	4176
Dry Bulk- Mechanical	13114	17740	19125	20713	21188	29139	28669
Conventional	6773	7712	7884	7856	9280	12404	16728
Liquid Bulk	16073	16533	18685	17235	18079	20451	22412

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

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

1.1 Global economic activity is picking up with a long awaited cyclical recovery in investment, manufacturing, and trade. World growth is expected to rises from 3.1 percent in 2016 to 3.5 percent in 2017 and 3.6 percent in 2018, slightly above the October 2016 World Economic Outlook (WEO) forecast. Stronger activity and expectations of more robust global demand, coupled with agreed restrictions on oil supply, have helped commodity prices recover from their troughs in early 2016. Higher commodity prices have provided some relief to commodity exporters and helped lift global headline inflation and reduce deflationary pressures. Financial markets are buoyant and expect continued policy support in China and fiscal expansion and deregulation in the United States.

1.2 In the medium term, however there are structural impediments to a stronger recovery and a balance of risks that remains tilted to the downside. Structural problems – such as low productivity growth and high income inequality – are likely to persist. Inward-looking policies threaten global economic integration and the cooperative global economic order, which have served the world economy, especially emerging market and developing economies, well. A faster-than-expected pace of interest rate hikes in the United States could tighten financial conditions elsewhere, with potential further U.S. dollar appreciation straining emerging market economies with exchange rate pegs to the dollar or with material balance sheet mismatches. More generally, a reversal in market sentiment and confidence could tighten financial conditions and exacerbate existing vulnerabilities in a number of emerging market economies, including China – which faces the daunting challenge of reducing its reliance on credit growth. A dilution of financial regulation may lead to stronger near-term growth but may imperil global financial stability and raise the risk of costly financial crisis down the road. In addition, the threat of deepening geopolitical tensions persists, especially in the Middle East and North Africa.

1.3 Economic activity gained some momentum in the second half of 2016, especially in advanced economies. Growth picked up in the United States as firms grew more confident about future demand, and inventories started contributing positively to growth (after five quarters of drag). Growth also remained solid in the United Kingdom, where spending proved resilient in the aftermath of the June 2016 referendum in favor of leaving the European Union (Brexit). Activity surprised on the upside in Japan thanks to strong net exports, as well as in euro area countries, such as Germany and Spain, as a result of strong domestic demand.

1.4 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.

1.5 The world economy gained speed in the fourth quarter of 2016 and the momentum is expected to persist. Global growth is projected to increase from an estimated 3.1 percent in 2016 to 3.5 percent in 2017 and 3.6 percent in 2018. Activity is projected to pick up markedly in emerging market and developing economies because conditions in commodity exporters experiencing macroeconomic strains are gradually expected to improve, supported by the partial recovery in commodity prices, while growth is projected to remain strong in China and many other commodity importers. In advanced economies, the pickup is primarily driven by higher projected growth in the United States, where activity was held back in 2016 by inventory adjustment and weak investment.

1.6 Although the responsiveness of trade to GDP growth may have moderated over recent years, demand for maritime transport services and seaborne trade volumes continue to be shaped by global economic growth and the need to carry merchandise trade.

1.7 With over 80 per cent of global trade by volume and more than 70 per cent of its value being carried on board ships and handled by seaports worldwide, the importance of maritime transport for trade and development cannot be overemphasized. Recognizing the sector's

strategic function, the global policy framework under the Addis Ababa Action Agenda and the 2030 Agenda for Sustainable Development underscores the role of trade – and by extension, seaborne trade – as an engine for inclusive and sustainable growth and development.

1.8 The world shipping fleet provides not only transport connectivity to global trade but also livelihoods to those working in maritime businesses. In 2016, world fleet capacity increased by an estimated 3.2 per cent, down from 3.5 per cent in 2015. Dead-weight capacity of the world commercial fleet was 1.86 billion dead-weight tonnes (dwt) in early 2017, worth \$829 billion.

1.9 World seaborne trade continues to be largely determined by developments in the world economy and trade. 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. Weaker trade is both a cause and an effect of a slowdown in global economic activity in view of the strong linkages between investment, growth and trade. World export volumes and import demand both accelerated in 2016, compared with 2015. Exports expanded at the faster rate of 1.7 per cent up from 1.4 per cent in 2015, while the import demand increased by 2.1 per cent, up from 1.9 per cent in 2015.

1.10 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.

1.11 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.

1.12 In line with developments in the world economy, demand for shipping services improved in 2016, albeit only moderately. World seaborne trade expanded by 2.4 per cent, up from 2.0 per cent in 2015, which is below the historical average of 3 per cent recorded over the past four decades. Goods total loaded volumes reached 10.3 billion tonnes in 2016, reflecting the addition of over 260 million tonnes of cargo (10.023 billions in 2015), about half of which was attributed to tanker trade. Strong import demand in China in 2016 continued to support world maritime seaborne trade, although overall growth was offset by limited expansion in the import demand of other developing regions. International Seaborne Trade loaded during last 16 years may be seen in **Table 1**.

<b>Year</b>	<b>Oil</b>	<b>Main Bulk#</b>	<b>Other Dry Cargo</b>	<b>Total</b>
2000	2163	1295	2526	5984
2006	2698	1814	3188	7700
2007	2747	1953	3334	8034
2008	2742	2065	3422	8229
2009	2642	2085	3131	7858
2010	2772	2335	3302	8409
2011	2794	2486	3505	8785
2012	2841	2742	3614	9197
2013	2829	2923	3762	9514
2014	2825	2985	4033	9843
2015	2932	3121	3971	10023
2016	3055	3172	4059	10287
# iron ore, grain, coal, bauxite/alumina and phosphate rock				
Source: Review of Maritime Transport, 2017, UNCTAD				

1.13 Seaborne dry cargo shipments totalled 7.23 billion tonnes (Main bulk & Dry cargo) in 2016, reflecting an increase of 2.0% 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 43.9% of total dry cargo volumes, followed by containerized trade (23.8%) and minor bulks (23.7%). Remaining volumes were accounted for by “other” dry cargo, namely break bulk shipments. In 2016, the major bulk commodities increased by 1.6%, while other dry cargo expanded by 2.2%.

1.14 In 2016, distance-adjusted seaborne trade continued to grow but at a slightly faster pace than seaborne trade in tonnes. Despite the particularly weak import demand and limited exports in many economies, developing economies as a group continued, nevertheless, to account for most of world seaborne cargo shipments in 2016. Developing economies accounted for 59 per cent of world goods loaded (outbound/exports) and nearly two thirds of goods unloaded (inbound/imports), respectively. Since the 1970s, participation of developing economies in world seaborne trade has shifted, reflecting their rise as major importers and exporters. For over four decades, developing economies’ share of goods unloaded has increased significantly, while their share of goods loaded has also increased, albeit at a slower rate, before stabilizing at about 60 per cent since 2010.

1.15 Developing economies are no longer only a source of supply for raw materials and fossil fuel energy, but are also key players in globalized manufacturing processes and a growing source of consumption import demand, including of raw materials, such as oil. In terms of geographical influence, Asia remained the main global cargo loading and unloading area in 2016.

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

### **(a) Tanker Trade**

#### **(i) Crude Oil and Petroleum Products**

2.1 In 2016, world seaborne tanker trade – crude oil, refined petroleum products and gas – continued to grow amid a surplus in oil market supply and low oil prices. Total volumes reached 3.1 billion tonnes, reflecting an increase of 4.2 per cent over the previous year. Oil imports for



inventory building continued unabated for crude oil and refined oil products, and resulted in record high storage levels. These positive trends were underpinned by strong demand for crude oil imports in China, India and the United States and a high level of exported petroleum products from China and India.

2.2 The import demand in China, India and United States; for the second consecutive year; crude oil shipments expanded by 4.3 per cent in 2016, reaching an estimated total volume of 1.8 billion tonnes. Imports into North America increased, reflecting reduced domestic production, while growing imports into China reflected additions to refinery capacity. Exports from Western Asia rose steadily, owing to growing shipments from the Islamic Republic of Iran following the end of economic sanctions. In the United States, shipments of crude oil increased as the 40-year ban on oil exports was lifted. In Nigeria, exports dropped sharply, owing to disruptions in production.

2.3 Together, refined oil products and gas trade volumes expanded by 4 per cent, taking total shipments to 1.2 billion tonnes in 2016. Demand for refined oil products was generally supported by a low oil price environment, with growth driven by increased exports from Western Asia, China and India, as well as by a recovery in Europe's import demand. While demand for refined oil products grew in China, India and the United States, weak economic growth in Japan and developing America, has nevertheless, constrained global imports of refined oil products. Volumes were supported by stronger gasoline demand, while diesel demand declined as a result of weak global industrial activity. Only India, the Republic of Korea and Europe recorded strong increases in diesel oil demand, mostly for transportation use.

#### **(ii) Natural Gas and liquefied gases**

2.4 With regard to gas trade, liquefied natural gas shipments were estimated to have expanded by 7.2 percent in 2016, with shipments reaching 268 million tonnes (Clarksons Research, 2017b). Expansion was led by increased exports from Australia and the United States, which saw new liquefaction terminals come online. Volumes of imports into China, India and other Asian developing economies, notably in Western Asia, grew steadily. These positive developments helped offset declines in the import volumes of the Republic of Korea and Japan.

2.5 Liquefied petroleum gas trade rose by 10.1 percent, with volumes reaching 87 million tonnes in 2016 (Clarksons Research, 2017b). Volumes were supported by the continued strong expansion in exports from the United States and Western Asia and robust import demand in China and India. The growing needs of the petrochemical industry and the household sector were the primary source of demand in both countries. For the liquefied petroleum gas sector, the opening in June 2016 of the expanded Panama Canal allowed for the passage of gas carriers, thus shortening the distance travelled on the United States–China route as compared with the Cape of Good Hope.

**(b) Dry Cargo Trade: Major and minor dry bulk commodities**

2.6 In 2016, world demand for dry bulk commodities grew at a modest rate of 1.3 percent, taking total shipments to 4.9 billion tonnes. China remained the primary source of growth, owing to the positive impact of the stimulus measures introduced during the year. Within the dry bulk segment, trade in the major bulk commodities increased by 1.6 per cent. Iron ore trade showed the strongest growth with volumes expanding by 3.4 per cent, reaching 1.4 billion tonnes in 2016. Imports into China; increased by over 7 per cent, reflecting the country’s steel output growth, falling domestic iron ore production, growing stockpiling activity and access to affordable, high-quality iron ore from Australia and Brazil. In contrast, iron ore imports into Europe and other Asian countries declined, in the wake of low steel prices.

2.7 Coal trade diminished in 2016, owing to flat demand for coal. Total volumes were estimated at 1.14 billion tonnes, with both coking coal and thermal coal volumes stagnating at 249 million tonnes and 890 million tonnes, respectively. A marginal increase in coking coal volumes reflected higher import demand in China and Japan. These were offset by declining import volumes in India, the Republic of Korea and Europe. Declining imports of thermal coal into India, Japan, the Republic of Korea and Europe were offset by a 4 per cent increase in other Asian countries imports, notably China, where import volumes surged by over 28 per cent.

2.8 Given, limited growth in the minor bulks trade, volumes remained static at an estimated 1.7 billion tonnes. The drag on volumes reflects the decline in steel products trade, as well as the reduction in bauxite and nickel ore shipments resulting from a bauxite-mining ban in Malaysia

and nickel ore mine closures in the Philippines. However, trade in some other minor bulk commodities such as cement, petroleum coke and sugar was positive and helped offset slightly the decline in nickel ore and bauxite shipments.

**(C) Other dry cargo: Containerized trade**

2.9 Global containerized trade expanded at a faster rate of 3.1 per cent in 2016, with volumes attaining an estimated 140 million 20-foot equivalent units (TEUs) (MDS Transmodal, 2017). Recovery was driven by volume growth in the peak leg of the Asia–Europe trade, where volumes contracted in 2015. Other contributing factors were accelerated growth in intra-Asian cargo flows and positive trends in the trans-Pacific. Together, these developments contributed to raising overall containerized trade volumes. In contrast, limited growth on North–South trade routes caused by reduced import demand of key fuel and non-fuel commodity exporters hindered overall growth.

2.10 Intraregional trade continued to growth steadily (5.1 per cent) in 2016. To a large extent, intraregional trade has been gaining market share due to the rapid expansion in intra-Asian containerized trade, driven by the movement of intermediate goods and the value chains involving China and its neighbouring Asian countries. South–South trade contracted; by 3.1% and 2.9% in 2015 and 2016 respectively. In this respect, the impact of lower commodity prices on developing economies’ purchasing power may play a part in this development. However, given the small volumes associated with South–South containerized trade, the impact on overall trade appears to be marginal. Falling commodity prices continued to undermine North–South trade and hinder flows on secondary East–West trade routes. There were fewer imports into Western Asia, owing to the negative impact of lower oil prices on the purchasing power of the region. Offsetting this trend, however, was the strong import demand in Southern Asia.

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

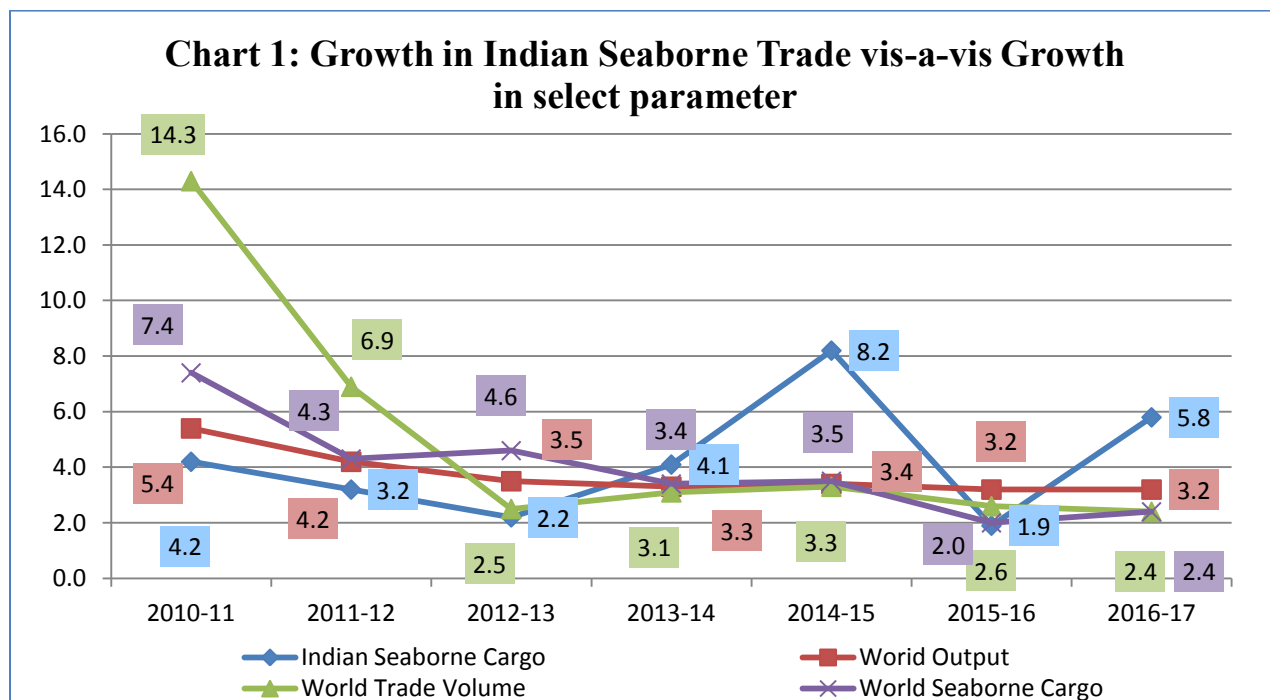
3.1 The Indian economy expanded 7.2 percent year-on-year in the last three months of 2017, well above an upwardly revised 6.5 percent advance in the previous period and beating market expectations of 6.9 percent. It is the strongest growth rate since the third quarter of 2016, boosted by a jump in investment and public spending. The growth numbers for the last fiscal which reinforces India's position as the world's fastest –growing large economy, came on the back of a strong 7.9 per cent growth in the last quarter of the fiscal at a time when China has reported a 6.7 per cent GDP growth in the March quarter – its slowest growth in about seven years.

3.2 India's economy has witnessed a significant economic growth in the recent past, the Gross Value Added (GVA) at Basic Price growing by 6.6% per cent in FY 2016-17 as against 7.9% percent in FY 2015-16. Over the medium run, the implementation of the Goods and Services Tax (GST), follow-up to demonetisation, and enacting other structural reforms should take the economy towards its potential real GDP growth of 8 per cent to 10 per cent.

3.3 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.

<b>Table 2: Growth in Cargo handled at Indian Ports and related parameters (in %)</b>							
<b>Parameters</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
<b>Trends in India's Select : Macro Parameters</b>							
<b>I. Total Cargo</b>	4.2	3.2	2.2	4.1	8.2	1.9	5.8
(a) Major Ports	1.6	-1.7	-2.6	1.8	4.7	4.2	7.0
(b) Non Major Ports	9.1	12.2	9.7	7.5	12.9	-1.1	4.2
<b>II.GVA overall</b>	n.a	n.a	5.4	6.6	6.0	7.9	6.6
(a) Agriculture	n.a	n.a	1.5	3.7	1.7	0.7	4.9
(b) Industry	n.a	n.a	3.6	4.5	4.5	8.8	5.6
(c) Services	n.a	n.a	8.1	9.1	8.4	9.7	7.7
<b>III. Foreign Trade</b>							
(a) Export in \$ value	40.5	21.8	-1.8	4.7	-1.2	-15.9	4.7
(b) Import in \$ value	28.2	32.3	0.3	-8.3	-0.6	-15.3	-0.2
<b>Trends in Select : Global Indicators</b>							
<b>IV. World Output</b>	5.4	4.2	3.5	3.3	3.4	3.2	3.2
(a) Advanced Economies	3.1	1.7	1.2	1.2	1.8	2.1	1.7
(b) Developing Economies	7.5	6.3	5.3	4.9	4.6	4.0	4.3
<b>V. World Economic Growth</b>	4.1	2.8	2.2	2.2	2.5	2.6	2.2
(a) Advanced Economies	2.6	1.4	1.1	1.1	1.7	2.2	1.7
(b) Developing Economies	7.9	6.0	4.7	4.6	4.4	3.8	3.6
(c) Transition Economies	4.5	4.7	3.3	2.0	0.9	-2.2	0.4
<b>VI. World Trade Volume (Goods)</b>	14.3	6.9	2.5	3.1	3.3	2.6	2.4
<b>VII. Export Volume growth (Goods)</b>							
(a) Advanced Economies	14.7	6.0	1.9	2.6	3.3	3.6	2.2
(b) Developing Economies	15.0	8.1	4.2	4.3	2.9	1.3	2.5
<b>VIII. Import Volume (Goods)</b>							
(a) Advanced Economies	13.0	5.3	0.3	1.8	3.4	4.2	2.7
(b) Developing Economies	15.1	10.5	5.4	4.8	3.6	-0.6	2.0
<b>IX. World Seaborne Trade*</b>	7.4	4.3	4.6	3.4	3.5	2.0	2.4
(a) Goods Loaded	7.0	4.5	4.7	3.4	3.4	2.1	2.4
(b) Goods Unloaded	7.8	4.2	4.4	3.4	3.5	2.0	2.5
<p>I. Based on data from Major Ports and Non Major Ports</p> <p>II. Figures - 2015-16 onwards based on Press Release of Gross Value Added (GVA) at Factor Cost (2011-12 Prices), Central Statistical Office, dated 30.11.2017. Comparable figures for the back series are not available.</p> <p>III. Based on Department of Commerce, DGCI&amp;S and RBI Bulletin</p> <p>IV,VI, VII &amp; VIII Based on World Economic Outlook, October ,2017, IMF;</p> <p>V &amp; IX. Based on Review of Maritime Transport, 2017 (November), UNCTAD</p> <p><b>Note</b> : MT: Million Tonnes; For item Nos IV, VI, VII &amp; VIII year 2010-11 refers to calendar year 2010 and so on;</p> <p>* growth in total goods loaded plus unloaded; NA ; Not Available (P) Provisional</p>							

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



Source: Indian Seaborne Cargo-Major and Non-major ports  
 World Output and World Trade Volume- World Economic Outlook, October 2017, IMF  
 World Seaborne Cargo- Review of Maritime Transport, November, 2017, UNCTAD

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

4.1 During 2016-17, the total overseas cargo handled at Indian ports was placed at 932.57 million tonnes compared to 892.56 million tonnes in 2015-16. Indian Overseas trade registered a growth of 4.5% in 2016-17 over 2015-16, while it was registered a growth of 1.5% in the year 2015-16. However, goods loaded trade registered growth of 18.6% in 2016-17 over 2015-16 while goods unloaded registered positive growth of 0.5%. Trend in Indian Overseas trade since 2010-11 is presented in **Table 2A** below.

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

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
<b>Goods Loaded</b>	3.7	-8.6	-12.9	2.5	-6.4	-1.6	18.6
<b>Goods Unloaded</b>	5.7	9.5	9.2	6.0	13.7	2.4	0.5
<b>Total Loaded +Unloaded</b>	5.0	3.1	2.2	5.1	8.4	1.5	4.5

4.2 The share of Indian Flag vessels in carrying total overseas cargo during 2014-15, 2015-16 and 2016-17 is summarized in **Table 2B**.

**Table 2B : India's Overseas Cargo and share of Cargo carried by Indian Flag Vessels during 2014-15, 2015-16 and 2016-17**

(In Million Tonnes)

Type of Cargo	2014-15		2015-16		2016-17	
	Total Overseas Cargo	Share of Indian Lines	Total Overseas Cargo	Share of Indian Lines	Total Overseas Cargo	Share of Indian Lines
Break Bulk	58.92	6.06(10.3)	60.53	4.66 (7.7)	45.06	3.76(8.3)
Container	160.76	1.78(1.1)	167.04	1.33(0.8)	173.45	2.29(1.3)
Dry Bulk Cargo	352.97	28.20(7.9)	329.82	30.26 (9.2)	360.1	12.47(3.5)
Liquid Bulk Cargo	306.92	29.51(9.6)	335.17	33.91(10.1)	353.96	41.55(11.7)
<b>Total</b>	<b>879.56</b>	<b>65.54(7.5)</b>	<b>892.56</b>	<b>70.15(7.9)</b>	<b>932.57</b>	<b>60.07(6.4)</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 6.4% of the country's overseas cargo during 2016-17 as against 7.9% in 2015-16.

## 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 1133.69 million tonnes in 2016-17 from 1071.76 million tonnes in 2015-16 reflecting an increase of 5.78% during 2016-17. India's major ports handled more than 57% 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 2014-15 to 2016-17 is given in the Table: 3.

Port	2014-15			2015-16			2016-17		
	OT	CT	TT	OT	CT	TT	OT	CT	TT
Major	4.77	4.20	4.66	4.08	4.76	4.22	6.94	7.37	7.03
Non Major	12.81	13.90	12.93	-1.40	1.60	-1.06	1.62	23.46	4.15
All Ports	8.44	7.02	8.20	1.48	3.78	1.86	4.48	12.23	5.78

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

5.2 The period 2001-02 to 2016-17 saw compound annual growth rate (CAGR) of 7.50% in total cargo throughput at Indian ports. The compound annual growth in Cargo handled at non-major ports was 11.44%, about twice the growth in cargo traffic at major ports of 5.57% during 2001-02 to 2016-17. However, the growth in cargo handled by major port during 2016-17 increased by 7.03% compared to non-major port growth of 4.15% respectively. Overall, the growth in cargo handled during 2016-17 by all Ports increased by 5.78% compared to 1.86% only in 2015-16.

5.3 Commodity-wise traffic handled, in respect of principal commodities, by all the ports (major & non-major) in India during the last few years are presented in **Table 4**.



Year	Commodity-wise Traffic						
	POL (Crude & Products)	Iron Ore	Building materials	Coal	Fertiliser Raw Material	Others	Total
<b>2003-04</b>	182.26	76.19	13.33	64.75	15.08	112.05	463.66
<b>2004-05</b>	194.21 (6.55)	97.60 (28.09)	16.13 (21.01)	74.17 (14.55)	18.43 (22.17)	122.19 (9.05)	522.72 (12.74)
<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>	<b>386.30</b> <b>(5.26)</b>	<b>76.22</b> <b>(133.10)</b>	<b>15.17</b> <b>(7.03)</b>	<b>259.93</b> <b>(-5.80)</b>	<b>28.29</b> <b>(-14.18)</b>	<b>367.78</b> <b>(5.38)</b>	<b>1133.69</b> <b>(5.78)</b>

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 34.1% of the total seaborne traffic followed by Coal (22.9%), FRM (2.5%) and Iron ore (6.7%) in 2016-17. The growth of total commodity traffic handled during

2015-16 was 1.86 and it increased to 5.78% in 2016-17. General cargo comprising of container cargo and break bulk constituted 23.2% of the 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 7517 Kms with 12 major ports and 205 notified non-major ports along the coast-line and sea-islands.

6.2 The State-wise share of cargo handled by Major ports and Non-Major ports of India is given in **Table 5**.

<b>Table 5 : State-wise Cargo Traffic at Indian Ports during 2016-17</b>			
			(Million Tonnes)
<b>Name of the State</b>	<b>Major Ports</b>	<b>Non-Major Ports</b>	<b>Total</b>
1. Gujarat	105.44	345.74	451.18
2. Maharashtra	125.28	34.89	160.17
3. Goa	33.18	0.12	33.30
4. Karnataka	39.94	0.71	40.64
5. Kerala	25.01	0.14	25.15
6. Tamil Nadu	118.70	1.15	119.85
7. Andhra Pradesh	61.02	69.60	130.62
8. Odisha	88.96	22.47	111.43
9. West Bengal	50.95	0.00	50.95
10. Others(a)	0.00	10.39	10.39
<b>TOTAL</b>	<b>648.47</b>	<b>485.22</b>	<b>1133.69</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 77% 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 Tamil Nadu and Odisha with their respective shares of 14.1%, 11.5%, 10.6% and 9.8% respectively in India's total seaborne traffic.

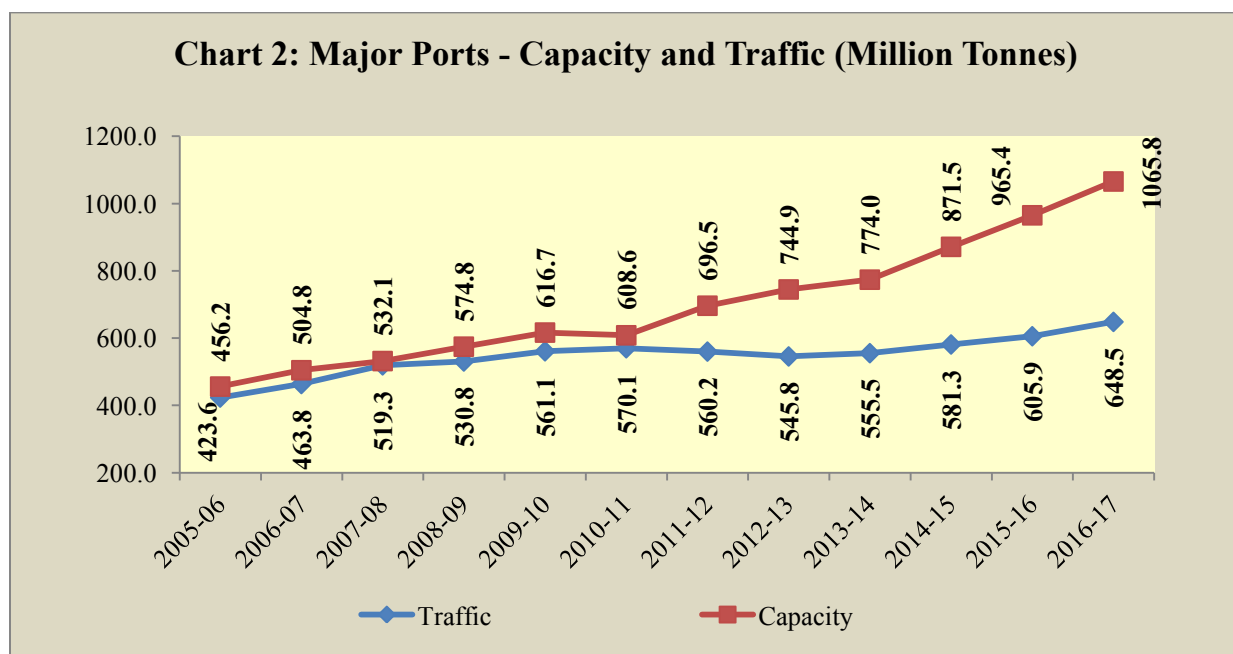
## C . PERFORMANCE OF MAJOR PORTS

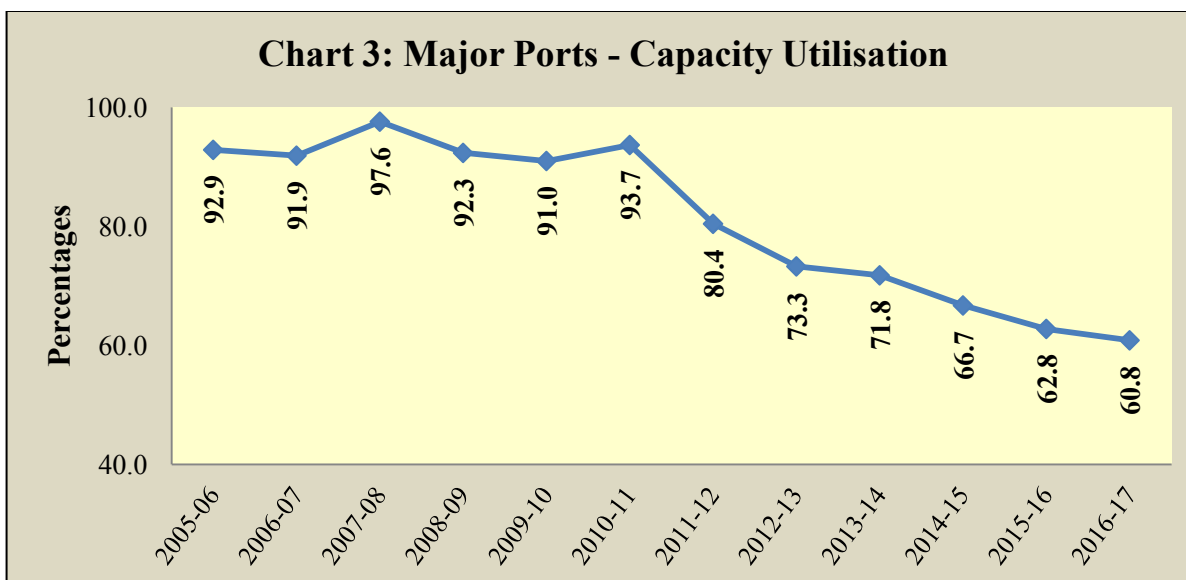
### 7. CARGO TRAFFIC HANDLED

7.1 The twelve major ports in India handled 57.2% of the maritime cargo traffic of the country in 2016-17. 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 215.21 million tonnes in 1995-96 to 648.47 million tonnes in 2016-17 (**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 965.36 million tonnes at the end of 2015-16 and further increased to 1065.83 million tonnes during 2016-17.

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 which was 112.6 % in 1994-95, remained above 100% thereafter till 1999-2000. The capacity utilization at Major ports from 2005-06 to 2016-17 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 2016-17 by major ports was of the order of 514.07 million tonnes and 134.40 million tonnes respectively. The Overseas Cargo traffic handled at Major Port increased by 6.9% in 2016-17 compared to 2015-16 and the Coastal cargo traffic growth was 7.4% in 2016-17. However, the total cargo traffic handled in 2016-17 was increased by 7.0% compared to 2015-16.

8.2 The Cargo traffic in terms of coastal and overseas categories at Major Ports during 2015-16 & 2016-17 are given in **Table 6**. Amongst the major ports, Kandla erstwhile Deendayal Port accounted for the highest share of 16.3% in the total cargo traffic at all major ports during 2016-17 followed by Paradip (13.7%), Mumbai (9.7%), J.L. Nehru (9.6%), Vishakhapatnam (9.4%), Chennai (7.7%), NMPT (6.2%), Chidambaranar (5.9%), Haldia Dock Complex (5.3%) and Mormugao Port (5.1%). The cargo traffic at Ennore port, Cochin 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 Mormugao port recorded highest growth of 59.7% during 2016-17 followed by Paradip Port (16.4%), Cochin Port (13.2%), NMPT (12.2%), Vishakhapatnam Port (7.0%), Deendayal Port (6.0%), Chidambaranar port (4.4%), Mumbai Port (3.3%), HDC (1.9%), Chennai Port (0.3%) and KDS (0.2%). Other major ports like Ennore Port (6.8%) and JNPT (2.9%) recorded a negative growth during 2016-17.

<b>Table 6 : Major Port wise-share of cargo handled</b>						
<b>(Million Tonnes)</b>						
<b>Port</b>	<b>2015-16</b>			<b>2016-17</b>		
	<b>Overseas</b>	<b>Coastal</b>	<b>Total</b>	<b>Overseas</b>	<b>Coastal</b>	<b>Total</b>
<b>Kolkata Dock System</b>	15.51 (3.23)	1.27 (1.02)	16.78 (2.77)	15.78 (3.07)	1.03 (0.77)	16.81 (2.59)
<b>Haldia Dock Complex</b>	27.47 (5.71)	6.03 (4.82)	33.51 (5.53)	27.94 (5.44)	6.20 (4.61)	34.14 (5.26)
<b>Paradip</b>	47.46 (9.87)	28.94 (23.12)	76.40 (12.61)	63.47 (12.35)	25.49 (18.97)	88.96 (13.72)
<b>Visakhapatnam</b>	42.32 (8.80)	14.71 (11.75)	57.03 (9.41)	43.17 (8.40)	17.85 (13.28)	61.02 (9.41)
<b>Chennai</b>	45.56 (9.48)	4.50 (3.59)	50.06 (8.26)	46.43 (9.03)	3.79 (2.82)	50.21 (7.74)
<b>Kamarajar</b>	14.96 (3.11)	17.24 (13.78)	32.21 (5.32)	13.41 (2.61)	16.61 (12.36)	30.02 (4.63)
<b>Chidambaranar</b>	29.47 (6.13)	7.38 (5.89)	36.85 (6.08)	30.97 (6.03)	7.49 (5.57)	38.46 (5.93)
<b>Cochin</b>	14.77 (3.07)	7.33 (5.85)	22.09 (3.65)	17.93 (3.49)	7.07 (5.26)	25.01 (3.86)
<b>New Mangalore</b>	30.44 (6.33)	5.15 (4.11)	35.58 (5.87)	31.72 (6.17)	8.22 (6.12)	39.94 (6.16)
<b>Mormugao</b>	19.68 (4.09)	1.10 (0.88)	20.78 (3.43)	32.14 (6.25)	1.04 (0.78)	33.18 (5.12)
<b>J. L. Nehru</b>	60.35 (12.55)	3.68 (2.94)	64.03 (10.57)	58.11 (11.30)	4.04 (3.01)	62.15 (9.58)
<b>Mumbai</b>	41.94 (8.72)	19.18 (15.33)	61.12 (10.09)	34.66 (6.74)	28.47 (21.18)	63.13 (9.74)
<b>Deendayal</b>	90.81 (18.89)	8.65 (6.91)	99.46 (16.42)	98.35 (19.13)	7.09 (5.28)	105.44 (16.26)
<b>Total</b>	<b>480.73</b> <b>(100.00)</b>	<b>125.17</b> <b>(100.00)</b>	<b>605.90</b> <b>(100.00)</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>

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 during 2004-05 through 2016-17 is given in Table 7.

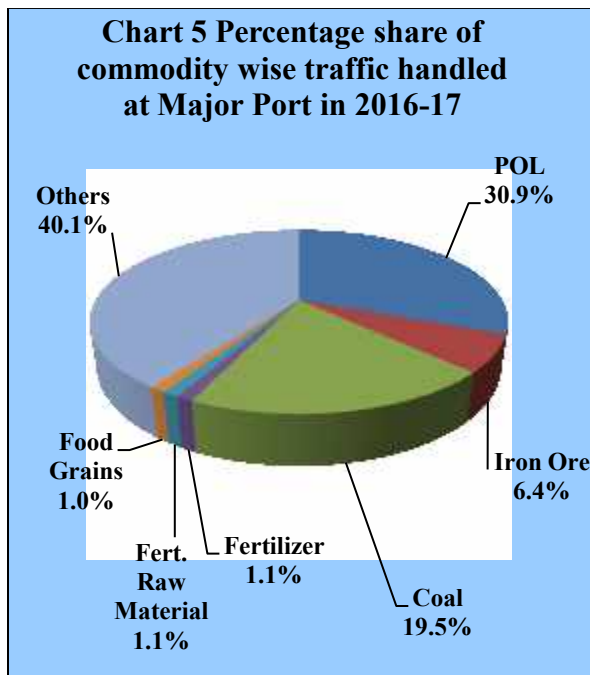
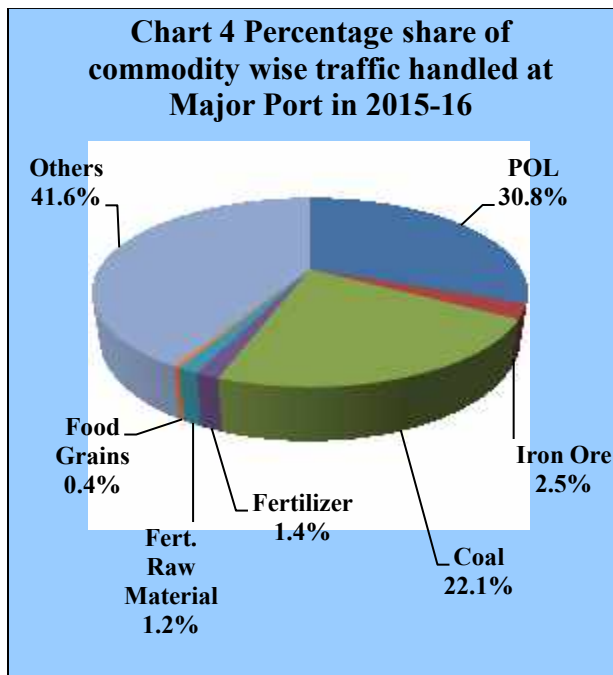
Table 7: Commodity-wise Cargo Traffic Handled at Major Ports								
								(Million Tonnes)
Year	POL (Crude & Products)	Fertilizer	Fertilizer Raw Material Dry	Iron Ore	Coal*	Food- grains	Others	Total
2004-05	126.44 (3.50)	3.85 (34.62)	10.67 (19.35)	76.2 (29.48)	60.65 (10.47)	3.84 (43.86)	102.11 (13.14)	383.76 (11.30)
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)	605.89 (4.22)
<b>2016-17</b>	<b>200.23</b> <b>(7.44)</b>	<b>7.04</b> <b>(-17.07)</b>	<b>7.01</b> <b>(-6.85)</b>	<b>41.77</b> <b>(172.71)</b>	<b>126.18</b> <b>(-5.88)</b>	<b>6.50</b> <b>(174.08)</b>	<b>259.75</b> <b>(3.17)</b>	<b>648.47</b> <b>(7.03)</b>

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

\*Thermal Coal & Coking Coal

9.2 The highest growth in traffic during 2016-17, among the principal commodities, is seen in the case of food grains (174.08%) and Iron Ore commodity (172.71%). The traffic growth in other commodities were POL & products (7.44%) followed by other commodities (3.17%). Traffic growth for Fertilizer, Fertilizer Raw Material (Dry) and Coal reported negative growth in the 2016-17 with 17.07%, 6.85% and 5.88% respectively.

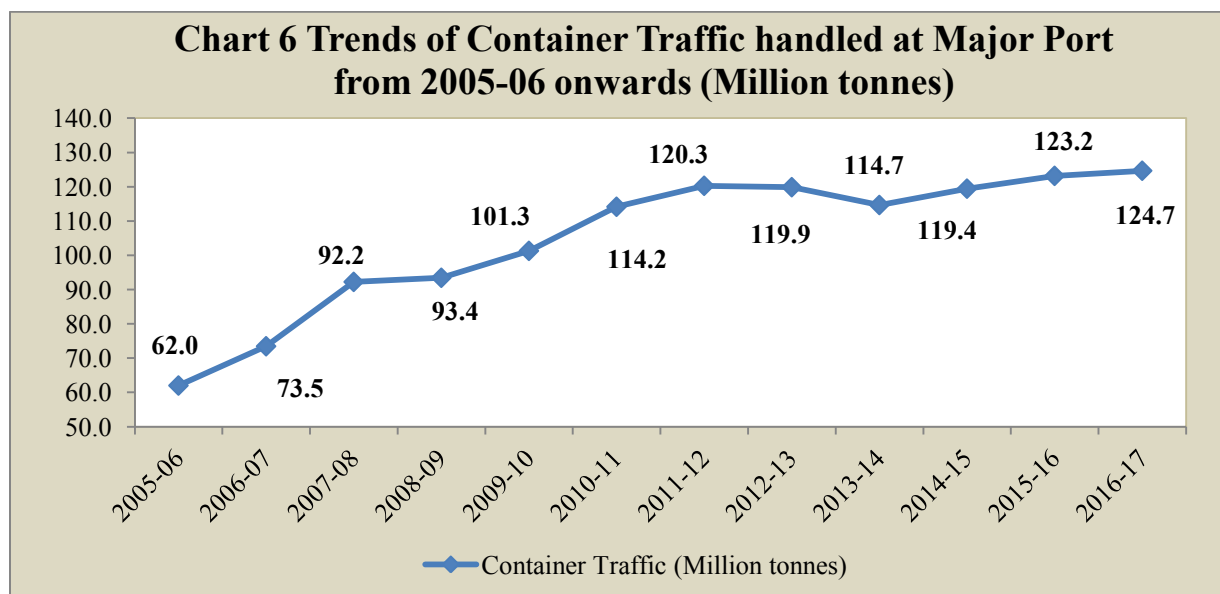
9.3 In respect of the traffic handled at Major ports, it is also observed that more than 90% of the traffic handled during 2016-17 was accounted by three commodities viz. other cargo including Containers (40.1%), POL & Products (30.9%) and Coal (19.5%).



## 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 seven fold increase from 1.05 million Twenty Feet Equivalent Units (TEUs) (13.08 million tonnes) in 1993-94 to 8.1 million TEUs (123.2 million

tonnes) in 2015-16 and further increased to 8.4 million TEUs (124.7 million tonnes) in 2016-17 (**Chart-6**). Over the same period non-containerized cargo grew from 166 million tonnes to 523.81 million tonnes i.e. about more than threefold increase during these periods.



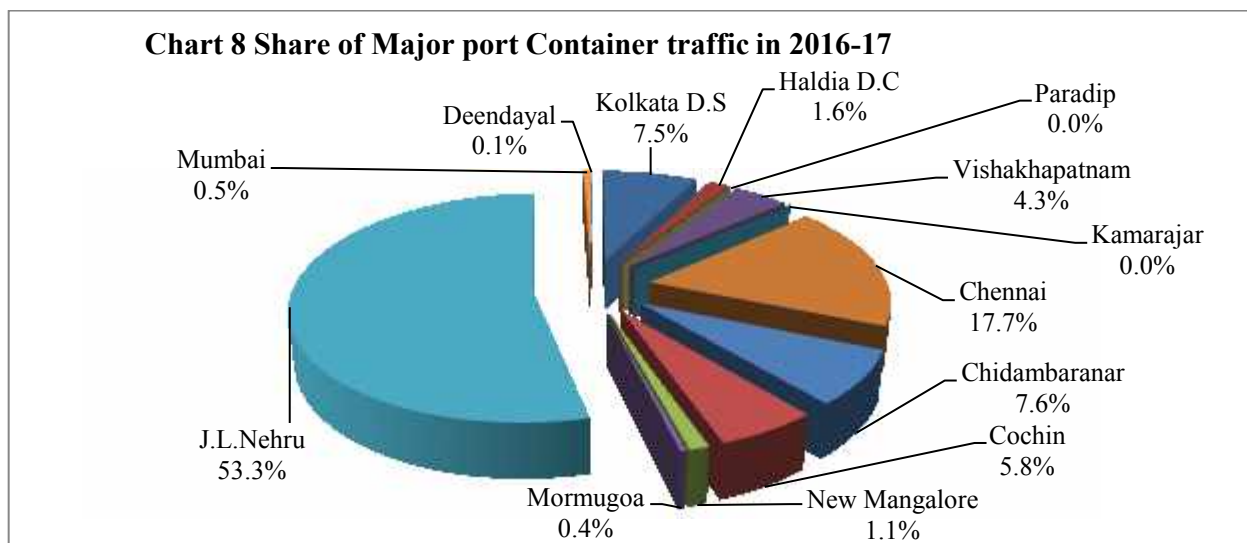
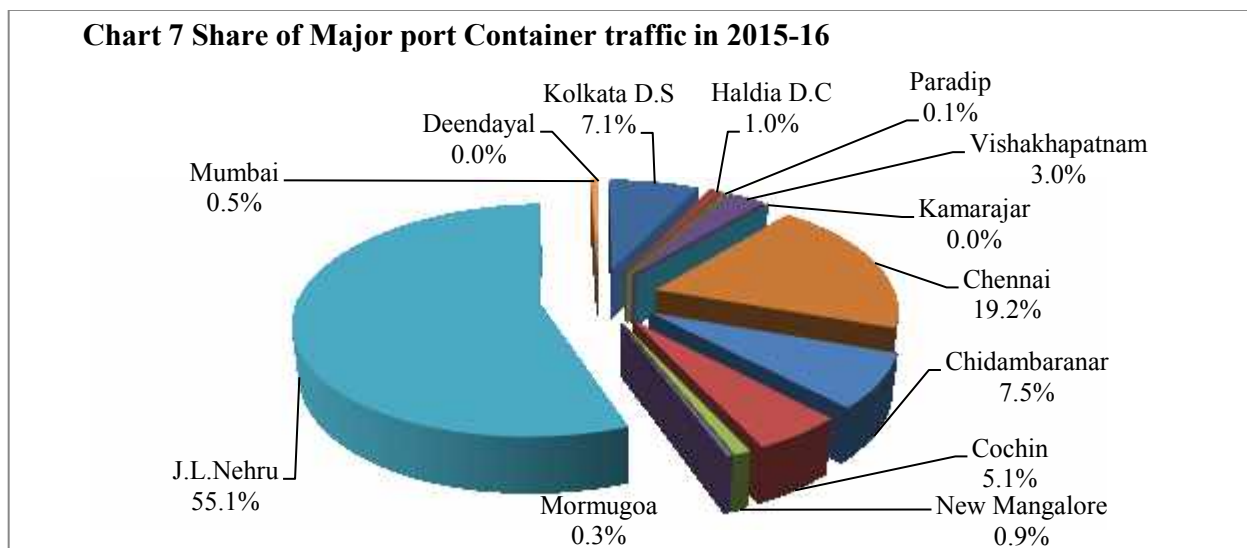
10.2 The growth in container traffic at the container handling ports of the country is given in

**Table 8.**

Name of Port	2015-16		2016-17	
	000' Tonnes	TEUs	000' Tonnes	TEUs
Kolkata D.S	9263	578	9887	636
Haldia D.C	1376	85	2467	136
Paradip	132	5	42	2
Vishakhapatnam	5145	243	6428	367
Kamarajar	1	0	1	0
Chennai	30207	1565	28850	1495
Chidambaranar	12388	612	12991	642
Cochin	5785	419	6840	491
New Mangalore	1105	76	1411	95
Mormugoa	345	26	402	30
J.L.Nehru	56791	4491	54530	4500
Mumbai	574	43	639	43
Deendayal	56	3	175	5
<b>All Ports</b>	<b>123168</b>	<b>8146</b>	<b>124663</b>	<b>8442</b>



10.3 The share of JNPT during 2016-17 in total container traffic at 53.3% in (TEUs) and 43.7% (in tonnage) makes 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 (17.7%), Tuticorin (7.6%), Kolkata D. S. (7.5%), Cochin (5.8%) 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 2016-17 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 53.3% during the same period. Chart 7 and 8 gives the share of Major port container cargo handled during 2015-16 and 2016-17 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 965.36 million tonnes at the end of 2015-16 and further increased to 1065.83 million tonnes at the end of 2016-17. The port-wise capacity and traffic handled for the year 2016-17 is brought out in **Table 9**.

<b>Table 9 : Major Port-wise Capacity Utilization During 2016-17</b>			
<b>(Million Tonnes)</b>			
<b>Name of the Port</b>	<b>Capacity</b>	<b>Traffic</b>	<b>Capacity Utilisation(%)</b>
Kolkata Dock System	26.21	16.81	64.14
Haldia Dock Complex	69.89	34.14	48.85
Paradip	143.44	88.96	62.02
Visakhapatnam	110.75	61.02	55.10
Kamarajar	57.00	30.02	52.67
Chennai	93.44	50.21	53.74
Chidambaranar	65.9	38.46	58.37
Cochin	56.57	25.01	44.21
New Mangalore	87.63	39.94	45.57
Mormugao	50.04	33.18	66.31
J. L. Nehru	89.37	62.15	69.54
Mumbai	65.33	63.13	96.63
Deendayal	150.26	105.44	70.17
<b>ALL PORTS</b>	<b>1065.83</b>	<b>648.47</b>	<b>60.84</b>

11.2 Mumbai port is a single port where capacity utilization is more than 95%. Some of the other ports having capacity utilization of more than 60% for their cargo handled are Deendayal Port (70.2%), J. L. Nehru (69.5%), Mormugao Port (66.3%), Kolkata Dock System (64.1%) and Paradip Port (62.0%).

## 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 2.32 days in 2010-11. However, in 2011-12 and 2012-13, the average PBDT edged up to 2.05 days and 1.79 days respectively. Average PBDT on port account which remained same at 2.05 days in 2011-12 and 2012-13 declined to 0.26 days in 2012-13 and further declined to 0.52 days in 2016-17. Port-wise PBD for select years is indicated in **Table 10**.

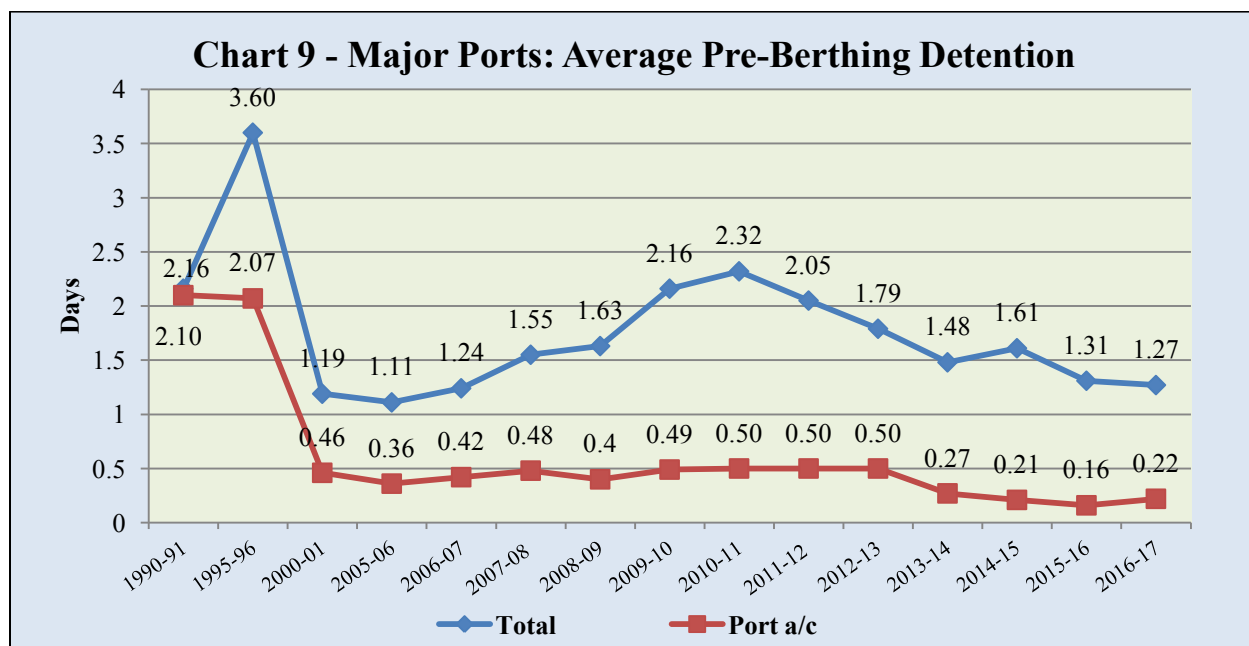
<b>Port</b>	<b>1990-91</b>	<b>2000-01</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
Kolkata D.S	0.9	0.61	0.77	0.61	0.56	0.71	0.50	0.57
Haldia D.C	1.66	0.91	2.54	2.29	2.21	1.43	0.66	2.49
Paradip	1.59	1.41	3.69	1.65	1.94	4.11	2.05	2.47
Vishakhapatnam	1.83	0.75	2.84	2.50	1.84	2.59	1.47	1.22
Kamarajar			0.76	1.33	2.38	2.51	4.73	0.96
Chennai	2.1	2.45	1.16	0.80	0.41	0.41	0.44	0.38
Chidambaranar	0.9	1.4	1.91	1.31	1.19	1.07	1.33	1.80
Cochin	0.83	0.74	1.05	1.09	0.97	0.84	0.66	0.48
New Mangalore	0.79	0.77	0.79	1.04	0.81	0.60	0.76	0.62
Mormugao**	2.51	1.32	2.94	1.62	1.47	1.61	1.38	1.67
J.L.Nehru		0.67	1.13	1.31	1.08	0.80	1.17	0.77
Mumbai	3.4	1.26	1.37	1.62	1.18	1.69	1.27	0.46
Deendayal	4.4	1.51	3.74	3.58	2.72	2.52	1.98	2.02
<b>All Ports</b>	<b>2.16</b>	<b>1.19</b>	<b>2.05</b>	<b>1.79</b>	<b>1.48</b>	<b>1.61</b>	<b>1.31</b>	<b>1.27</b>

(P): Provisional.  
 \* Relates to Port Account only;  
 Source: Major Ports/ Indian Ports Association(IPA)  
 \*\* Relate to dry bulk cargo for MOHP(Mech.) and Berth No. 10 &11 (Conv.)

12.2 During 2016-17, Major Ports except Kolkata Dockyard System, Haldia Dock Complex, Paradip, Chidambaranar, Mormugao, and Deendayal Port experienced drop in pre-berthing detention of vessels. Data on PBD for different types of vessels indicate that in 2016-17, the PBD

was the least in the case of container vessels 0.30 days followed by break bulk (1.13 days), dry bulk (Conventional) (1.74 days), liquid bulk vessels (1.62 days) and dry bulk (Mechanical) (2.01 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 2016-17 is shown in **Chart 9**.



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

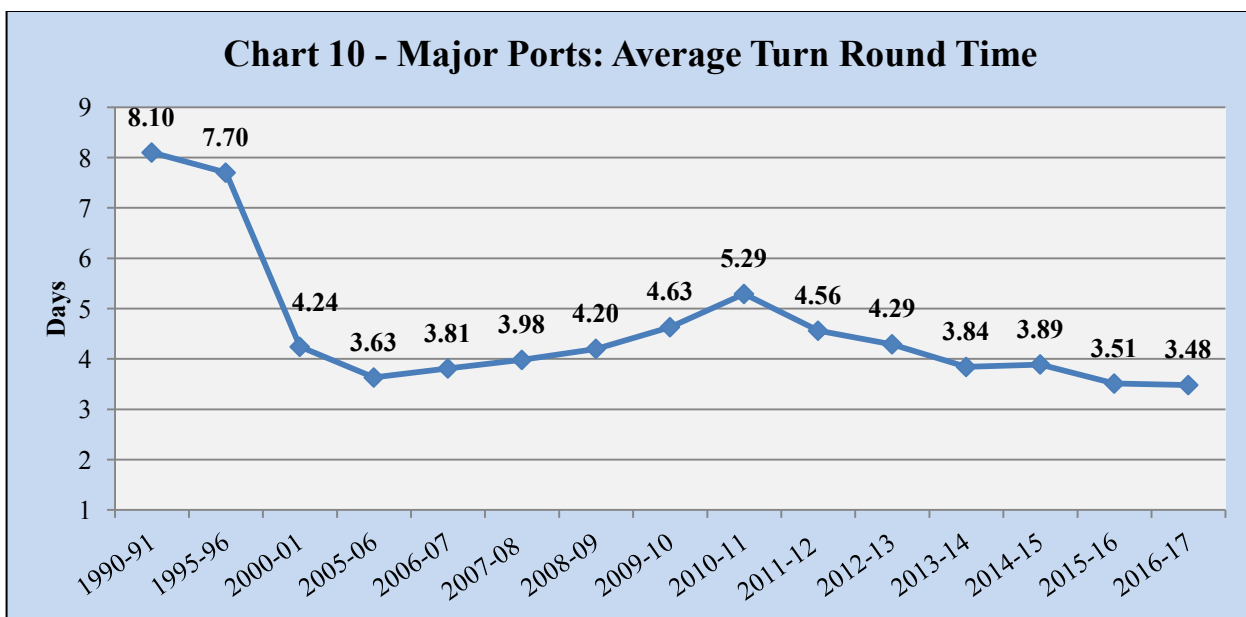
13.1 This parameter has improved significantly during the past one and half decades for all the major ports. Average TRT for all major ports improved from 8.10 days in 1990-91 to 3.63 days in 2005-06. Thereafter the average TRT has increased steadily to 5.29 days in 2010-11. In 2011-12, the average TRT 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. The average TRT varied in the range between 1.99 days at Cochin Port to 5.47 days at Haldia Dock Complex during 2016-17. Port-wise average TRT for select years are given in **Table 11**.

Amongst the 12 major ports improvement in average TRT during 2016-17 in comparison to 2015-16 is reflected in all ports except Haldia Dock Complex, Paradip Port, Chidambaranar, Mormugao, and Deendayal Port.

13.2 The data on average TRT for different types of vessels indicate that in 2016-17, the average TRT was least in case of container vessels (1.79 days) followed by liquid bulk (3.49 days), break bulk (4.12 days), dry bulk (Mech.) (4.25 days) and dry bulk (Conv.) (5.06 days).

<b>Table 11: Average Turn Round Time</b>								
<b>Port</b>	<b>(days)</b>							
	<b>1990-91</b>	<b>2000-01</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
1	2	3	5	6	7	8	9	10
Kolkata D.S	11.90	5.50	5.45	4.72	4.51	4.97	4.78	4.43
Haldia D.C	6.47	3.97	3.62	3.95	3.77	3.36	3.27	5.47
Paradip	8.40	4.16	6.33	4.39	4.62	7.01	4.50	4.99
Vishakhapatnam	7.07	3.71	5.68	5.39	4.73	5.67	3.84	3.75
Kamarajar	-	-	2.17	2.95	4.24	4.32	6.87	2.68
Chennai	7.20	5.83	3.91	3.24	2.46	2.54	2.53	2.51
Chidambaranar	4.70	4.10	4.94	4.31	3.92	3.37	3.53	4.00
Cochin	4.00	3.11	1.82	1.58	1.76	1.69	2.18	1.99
New Mangalore	4.96	2.89	2.95	3.29	3.18	2.46	2.63	2.35
Mormugoa *	6.40	4.25	7.68	5.06	4.50	3.97	3.37	3.43
J.L.Nehru	-	2.21	1.94	2.48	2.26	2.24	2.31	1.96
Mumbai	10.80	5.20	5.22	5.58	4.25	4.09	3.29	2.48
Deendayal	10.00	4.72	6.42	6.33	5.66	4.90	4.28	4.51
<b>All Ports</b>	<b>8.10</b>	<b>4.24</b>	<b>4.56</b>	<b>4.29</b>	<b>3.84</b>	<b>3.89</b>	<b>3.51</b>	<b>3.48</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 2016-17 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 decreased from 27988 tonnes in 2014-15 to 26526 tonnes in 2015-16 and further increased to 28728 tonnes in 2016-17. During 2016-17, average parcel size has increased to all categories where as average TRT has decreased for all types of vessels except dry bulk (conventional) and Container. Available data on type of vessels and average parcel size vis-à-vis Average TRT is indicated in Table 12.

Type of Vessel	2014-15		2015-16		2016-17	
	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.)	62709	5.09	52315	4.67	55738	4.25
Dry Bulk (Conv.)	35263	6.22	32199	4.81	38509	5.06
Liquid Bulk	29112	3.57	27578	3.58	29012	3.49
Break Bulk	7318	4.76	8296	4.23	8316	4.12
Container	23097	2.27	21715	1.77	21905	1.79
<b>All Types</b>	<b>27988</b>	<b>3.89</b>	<b>26526</b>	<b>3.51</b>	<b>28728</b>	<b>3.48</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 16471 tonnes in 2015-16 and further increased to 19080 tonnes in 2016-17 for major ports. Average Output per Ship-berth day had doubled during 1990-91 to 2000-01 and more than doubled during 2000-01 to 2016-17. The growth of average output per Ship-berth day is 15.84% during 2016-17 over 2015-16.

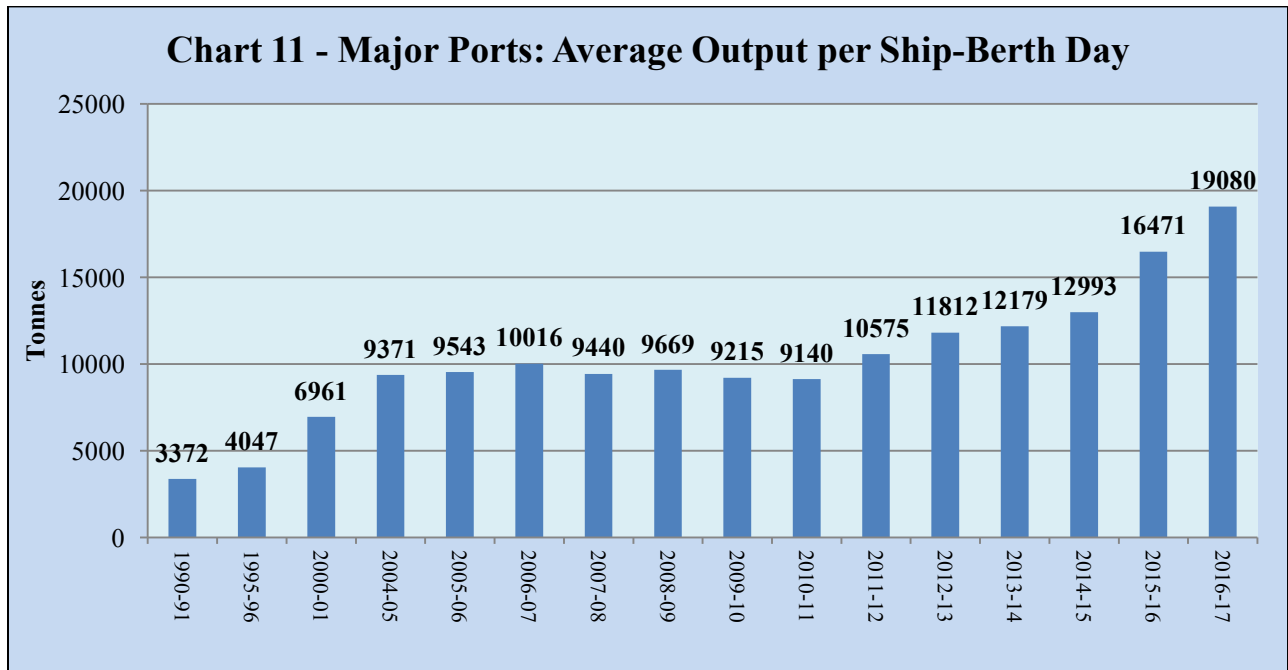
14.2 However, average output per ship-berth day is marked by substantial variation across major ports ranging from a high 30414 tonnes in case of Mormugao port to a low of 6080 tonnes at Kolkata Dock System during 2016-17. This variation reflects the type of cargo being handled, level of mechanization and labour practices. Amongst the 12 major ports, improvement in average Output per Ship Berth-day during 2016-17 over the previous year is visible in all the ports except Vishakhapatnam Port and Kamarajar Port. Port-wise average output per Ship-berth day for select years and 2011-12 onwards are given in **Table 13**.

<b>Table 13 : Average Output per Ship-Berth-Day</b>								
								<b>(Tonnes)</b>
<b>Port</b>	<b>1990-91</b>	<b>2000-01</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</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	560	2305	2503	2762	2963	3084	3201	6080
Haldia D.C	5659	6384	6728	6078	6130	6802	9126	12537
Paradip	4082	8503	15995	16625	18179	17736	26965	30245
Visakhapatnam	5325	9799	10704	10641	10925	10640	17179	16823
Kamarajar	-	-	27505	27741	22357	22613	31106	26235
Chennai	3912	6977	10352	12046	14268	14464	18976	19220
Chidambaranar	2130	3983	6733	7452	9633	10468	13619	13612
Cochin	3714	6138	15784	15878	15881	16906	20962	23539
New Mangalore	4412	12192	13957	15921	16314	19856	16165	17094
Mormugao*	10429	12438	10530	11484	10018	12272	21542	30414
J.L.Nehru	-	6383	19227	23319	23014	13518	23792	23897
Mumbai	2310	4213	6476	8709	7057	11055	18020	20915
Deendayal	4417	8230	14272	15728	15729	15159	16538	18235
<b>All Ports</b>	<b>3372</b>	<b>6961</b>	<b>10575</b>	<b>11812</b>	<b>12179</b>	<b>12489</b>	<b>16471</b>	<b>19080</b>
(P): Provisional. *Relate to dry bulk cargo for MOHP(Mech.) and Berth No. 10 &11 (Conv.)								
Source: Major Ports/ Indian Ports Association(IPA)								

14.3 As compared to 2015-16, the increase in average output per Ship Berth-day (all commodities except dry bulk mechanical) in 2016-17 was of the order of 15.8%. 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 2014-15, 2015-16 and 2016-17 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>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>% Change (2015-16 on 2014-15)</b>	<b>% Change (2016-17 on 2015-16)</b>
Dry Bulk (Mech.)	21188	29139	28669	37.5	-1.6
Dry Bulk (Conv.)	9280	12404	16728	33.7	34.9
Liquid Bulk	18079	20451	22412	13.1	9.6
Break Bulk	2600	3618	4176	39.2	15.4
Container	20331	22244	24099	9.4	8.3
<b>All Types</b>	<b>12993</b>	<b>16471</b>	<b>19080</b>	<b>26.8</b>	<b>15.8</b>

14.4 The average out-put per Ship Berth-day for selected years since 1990-91 to 2016-17 is presented in the **Chart -11** below.



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

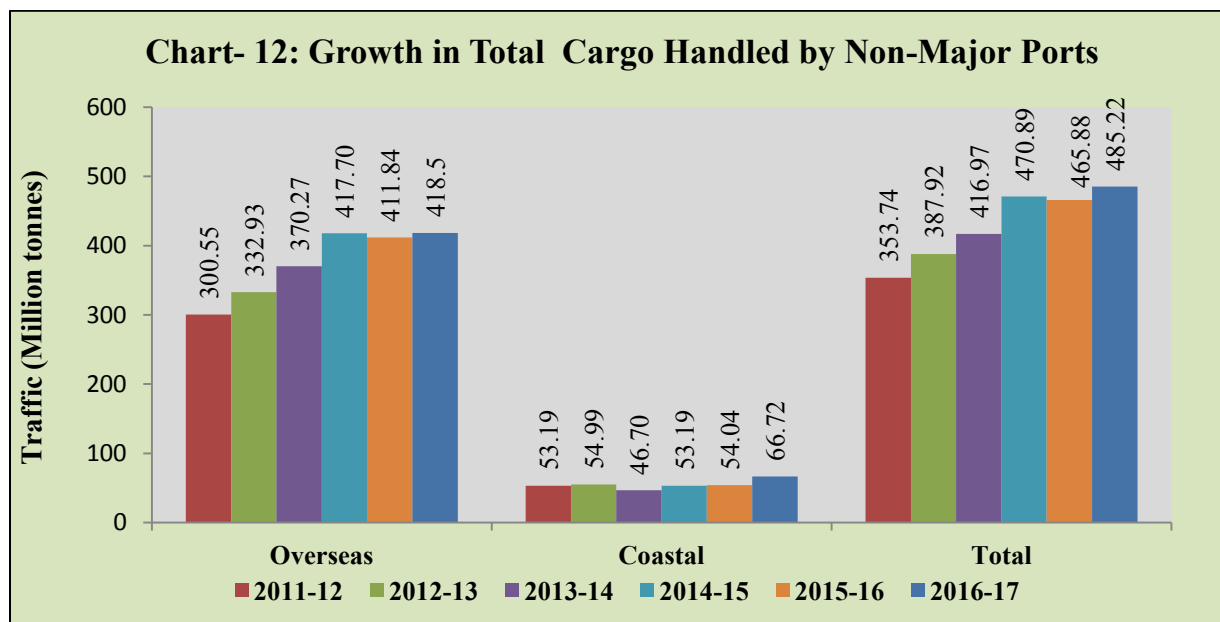


## D. PERFORMANCE OF NON-MAJOR PORTS

### 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 2015-16, only 70 Non-major Ports were reported to have handled cargo traffic.

15.2 The effectiveness of non-major ports in meeting the growing volume of cargo traffic in the backdrop of saturation of existing capacities at the major ports cannot be overlooked. 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 485.22 million tonnes of traffic during the year 2016-17 as compared to 465.88 million tonnes of cargo handled in 2015-16 (Chart-12). The

year-on-year growth in traffic in 2016-17 was 4.15 % as compared to 1.07% negative growth registered in 2015-16. At a disaggregated level, the overseas cargo traffic increased by 1.6% in 2016-17 compared to a decrease in growth of 1.40% recorded in 2015-16. Coastal cargo traffic increased by 23.46% in 2016-17 compared to an increase of 1.60 % in 2015-16.

### 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>
Year	POL & its Products	Iron Ore	Building Material	Coal*	Fertiliser & FRM	Others	Total
2004-05	67.77	21.4	16.13	13.52	3.91	16.24	138.97
	(12.76)	(23.41)	(5.45)	(37.26)	(18.84)	(9.07)	(15.23)
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	470.89
	-(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)
<b>2016-17</b>	<b>(186.07)</b>	<b>(34.45)</b>	<b>(15.17)</b>	<b>(133.76)</b>	<b>(14.24)</b>	<b>(101.53)</b>	<b>485.22</b>
	<b>(3.01)</b>	<b>(98.18)</b>	<b>(7.03)</b>	<b>-(5.72)</b>	<b>-(15.97)</b>	<b>(7.04)</b>	<b>(4.15)</b>

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

15.5 POL & its products (38.4%) was the single largest commodity handled at non major ports in 2016-17. The share of POL has significantly increased from 35.5% to 38.4% in 2016-17 compared to 2014-15. The share of POL & its products had ranged between 44% 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 2016-17 the share of Coal in the total traffic was 27.6% followed by other cargo (20.9%), Iron ore (7.1%) and Fertilizer & FRM (2.9%).

## 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:

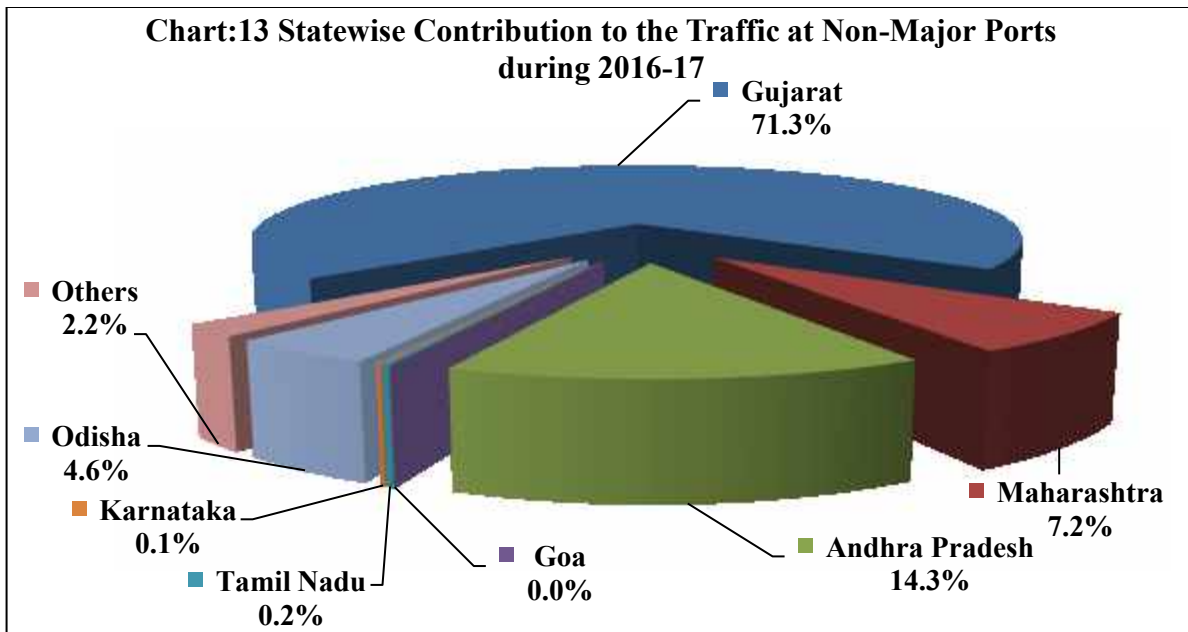
<b>Table 16 : Traffic Handled by Non-Major Ports – Maritime State-wise</b>								
Year	(Million Tonnes)							
	Gujarat	Mahara-shtra	AP	Goa	Tamil Nadu	Karnataka	Others	Total
2005-06	103.53	11.16	17.67	11.76	0.71	4.12	1.17	150.12
	(7.69)	(-8.07)	(17.25)	(43.41)	(-16.47)	(17.38)	(11.43)	(9.61)
2006-07	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	2.59	206.38
	(14.66)	-(1.90)	(3.65)	(-10.34)	(9.88)	(35.67)	(45.51)	(11.61)
2008-09	152.81	10.42	29.72	11.9	0.9	4.97	2.5	213.22
	(1.52)	-(8.27)	(54.07)	(-7.25)	(1.12)	(-44.16)	(-3.47)	(3.31)
2009-10	205.58	12.05	43.69	13.9	1.17	8.55	4	288.94
	(34.53)	(15.64)	(47.01)	(16.81)	(30.00)	(72.03)	(60.00)	(35.51)
2010-11	230.91	14.88	43.27	14.58	1.61	3.1	7.01	315.36
	(12.32)	(23.49)	(-0.96)	(4.89)	(37.61)	(-63.74)	(75.25)	(9.14)
2011-12	259.05	19.95	45.63	14.47	1.21	0.59	12.85	353.75
	(12.19)	(34.07)	(5.45)	(-0.75)	(-24.84)	(-80.97)	(83.31)	(12.17)
2012-13	287.82	24.2	51.81	3.39	0.93	0.61	19.17	387.93
	(11.11)	(21.30)	(13.54)	(-76.57)	(-23.14)	(3.39)	(49.18)	(9.66)
2013-14	309.95	24.66	58.69	0.28	0.87	0.51	22.01	416.97
	(7.69)	(1.92)	(13.28)	(-91.62)	(-6.88)	(-16.56)	(14.81)	(7.49)
2014-15	336.10	27.30	83.42	0.76	0.83	0.65	21.84	470.89
	(8.44)	(10.67)	(42.13)	(167.61)	(-4.73)	(27.90)	(-0.75)	(12.93)
2015-16	339.78	28.85	72.73	0.43	0.86	0.84	22.39	465.87
	(1.10)	(5.69)	(-12.81)	(-43.42)	(3.76)	(28.26)	(2.50)	(-1.07)
<b>2016-17</b>	<b>345.74</b>	<b>34.89</b>	<b>69.60</b>	<b>0.12</b>	<b>1.15</b>	<b>0.71</b>	<b>33.00</b>	<b>485.21</b>
	<b>(1.75)</b>	<b>(20.94)</b>	<b>(-4.31)</b>	<b>(-72.79)</b>	<b>(34.58)</b>	<b>(-15.21)</b>	<b>(47.39)</b>	<b>(4.15)</b>

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

16.2 The overall increase of 4.15% in cargo handled at non-major ports during 2016-17 was mainly driven by traffic increased in Gujarat and Maharashtra. The Cargo handled at the non major ports in Gujarat, Maharashtra, Tamil Nadu and other states have witnessed positive growth of 1.75%, 20.94%, 34.58% and 47.39% respectively. The impact on the total traffic handled by Non-Major Ports is not significant due to low share of Andhra Pradesh and Karnataka States in the total traffic handled during the year. The share of traffic handled by non-major ports in the maritime states is given in **Table 17**.

<b>Table 17 : Share of Traffic Handled by Non-Major Ports to total traffic at non major ports – Maritime State-wise</b>								
<b>Year</b>	<b>Traffic Handled ( In Percentage)</b>							
	<b>Gujarat</b>	<b>Maharashtra</b>	<b>AP</b>	<b>Goa</b>	<b>Tamil Nadu</b>	<b>Karnataka</b>	<b>Others</b>	<b>Total</b>
2004-05	70.2	8.9	11.0	6.0	0.6	2.5	0.8	100
2005-06	69.0	7.4	11.8	7.8	0.5	2.7	0.8	100
2006-07	71.0	6.3	10.1	7.7	0.4	3.5	1.0	100
2007-08	72.9	5.5	9.3	6.2	0.5	4.3	1.3	100
2008-09	71.7	4.9	13.9	5.6	0.4	2.3	1.2	100
2009-10	71.2	4.2	15.1	4.8	0.4	2.9	1.4	100
2010-11	73.2	4.7	13.7	4.6	0.5	1.1	2.2	100
2011-12	73.2	5.6	13.0	4.1	0.3	0.2	3.6	100
2012-13	74.2	6.2	13.4	0.9	0.2	0.2	4.9	100
2013-14	74.3	5.9	14.1	0.1	0.2	0.1	5.3	100
2014-15	71.4	5.8	17.7	0.2	0.2	0.1	4.6	100
2015-16	72.9	6.2	15.6	0.1	0.2	0.2	4.8	100
<b>2016-17</b>	<b>71.3</b>	<b>7.2</b>	<b>14.3</b>	<b>0.0</b>	<b>0.2</b>	<b>0.2</b>	<b>6.8</b>	<b>100</b>
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 71.3% of the total non-major port cargo traffic in 2016-17. The other major contributing States to the cargo traffic at non-major ports during 2016-17 were: Andhra Pradesh (14.3%), Maharashtra (7.2%) and Odisha (4.6%). The contributions of Tamil Nadu (0.2%), Goa (0.1%) 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 2016-17 was of the order of 345.74 million tonnes as against 339.78 million tonnes in 2015-16, reflecting marginal increase of 1.75% compared to 1.1% in 2015-16. Non-major ports of Gujarat account

for around 71.3% of the total cargo handled by non-major ports in India during 2016-17. Overseas traffic in 2015-16 was 307.26 million tonnes with the remaining 38.48 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**.

<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>Magdalla</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>
2004-05	51.51	11.64	4.6	3.24	3.93	6.04	6.52	2.07	6.59	96.14
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
<b>2016-17</b>	<b>126.59</b>	<b>25.79</b>	<b>4.68</b>	<b>6.28</b>	<b>3.19</b>	<b>104.55</b>	<b>26.57</b>	<b>8.44</b>	<b>39.65</b>	<b>345.74</b>

17.1.4 Sikka Port handled the highest cargo tonnage of 126.59 million tonnes in 2016-17 compared to 127.53 million tonnes handled in 2015-16. This port accounted for 36.6% of the total cargo handled by the non-major ports in Gujarat in 2016-17, 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 104.55 million tonnes (30.2%) of the total cargo in 2016-17. Main commodities handled by GAPL port are POL & its products and Coal. Magdalla accounted of 25.79 million tonnes (7.5%) of the cargo traffic in 2016-17. Major commodities handled by the port are Iron Ore, POL & its product, and Building Material.

17.1.6 Dahej Port handled 26.57 million tonnes of cargo in 2016-17 with a share of 7.7% in total traffic. The important ports which showed increase in the cargo handled during 2016-17 were Magdalla, Jafarabad, Dahej and GAPL, while on ports at Sikka, Bedi and GPPL, there was decrease in cargo traffic in 2016-17.

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 2016-17 (Table 19).

Year	Traffic Handled (Million Tonnes)						Total
	POL & Products	Coal	Building Material	Fertilizer & FRM	Iron Ore	Others	
2004-05	56.48	9.93	11.51	2.34	4.05	11.83	96.14
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
<b>2016-17</b>	<b>180.32</b>	<b>62.42</b>	<b>9.73</b>	<b>8.70</b>	<b>9.38</b>	<b>75.19</b>	<b>345.74</b>

17.1.8 POL & products accounted for 52.2% of the total cargo handled in 2016-17. This was followed by Coal (18.1%), Building Material (2.8%), Iron Ore (2.7%) and Fertilizer & FRM (2.5%).

## 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 handle

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 2016-17 was 14.3%.

17.2.2 Non-major ports in Andhra Pradesh collectively handled 69.61 million tonnes of cargo during 2016-17 compared with 72.73 million tonnes in 2015-16, registering a decrease of 4.29% in traffic. The overseas traffic during 2015-16 was 58.68 million tonnes (84.3%) of the total cargo traffic in non major ports of Andhra Pradesh and coastal traffic was of the order of 10.92 million tones of having 15.7% of total cargo traffic.

**Table 20** gives the port wise details of the cargo handled at non-major ports in Andhra Pradesh from 2004-05 onwards and during 2016-17.

<b>Table 20 : Traffic Achieved at Select 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>
2004-05	2.84	1.76	10.47	-	-	15.07
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
<b>2016-17</b>	<b>1.01</b>	<b>1.96</b>	<b>12.49</b>	<b>18.04</b>	<b>36.11</b>	<b>69.61</b>

17.2.3 Commodity-wise analysis of the total cargo handled by the non-major ports in Andhra Pradesh indicates Coal (56.8%), Other Cargo (28.0%) and Fertilizer & FRM (7.0%) were the three principal items of cargo handled during 2016-17 by the Non-Major Ports of Andhra Pradesh (**Table 21**).



17.2.4 As seen from **Table 21**, traffic in the Coal has shown an increasing trend over the consecutive years till 2013-14 and decreased during 2015-16 and 2016-17. The trend for iron ore in 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.

<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>
2004-05	9.96	0.96	1.3	-	2.85	15.07
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
<b>2016-17</b>	<b>2.71</b>	<b>2.98</b>	<b>4.87</b>	<b>39.52</b>	<b>19.52</b>	<b>69.60</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 2016-17.

17.3.2 The total cargo traffic handled at the non-major ports of Maharashtra during 2016-17 was 34.89 million tonnes compared with 28.85 million tonnes in 2015-16. This represents an increase in growth of 20.9%. Out of 34.89 million tonnes of total cargo handled by Non-Major

ports in Maharashtra, 25.30 million tonnes was overseas cargo shown 72.5% of the total cargo and remaining 27.5% coastal cargo of volume 9.59 million tonnes.

17.3.3 Overseas traffic of 25.30 million tonnes has shown increase of 20.4% in 2016-17 from 21.07 million tonnes in 2015-16 whereas coastal traffic at 9.59 million tonnes increased by 23.3% from 7.78 million tonnes in 2015-16. The port-wise traffic at non-major ports of Maharashtra is brought out in **Table 22**. Dharamtar is the leading non-major port of Maharashtra with traffic of 14.28 million tonnes accounting for 40.9% of total traffic at non-major ports handled in the State. The cargo traffic has increased considerably at other non-major ports of Maharashtra viz. Dighi, Jaigad, Ratnagiri and Ulwa-Belapur.

<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>
2004-05	7.73	1.27	1.01	0.62	1.51	12.14
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
<b>2016-17</b>	<b>14.28</b>	<b>1.40</b>	<b>1.67</b>	<b>0.73</b>	<b>16.81</b>	<b>34.89</b>

17.3.4 Commodity-wise break-up of the cargo handled by the non-major ports of Maharashtra indicates that Iron ore traffic of 15.05 million tonnes constituted (43.1%) of the total cargo handled in 2016-17 followed by Coal (31.9%), Building material (7.2%), POL & Products (6.2%) shown in the **Table 23**. As seen from the table, all commodities have shown growth in traffic in 2016-17 as compared to 2015-16 except POL & Products and Coal.

Year	Traffic Handled (Million Tonnes)					
	Iron Ore	Building Material	POL & Products	Coal	Others	Total
2004-05	5.47	1.29	0.32	3.59	1.47	12.14
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
<b>2016-17</b>	<b>15.05</b>	<b>2.51</b>	<b>2.16</b>	<b>11.14</b>	<b>4.03</b>	<b>34.89</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 0.12 million tonnes during 2016-17 compared with 0.43 million tonnes handled in the previous year with negative growth rate of 72.1%. 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. In 2016-17, Iron ore and Coal handling decreased in ports of Goa as compared to 2015-16. The Coal handled decreased from 0.41 million tonnes in 2014-15 to 0.17 million tonnes during 2015-16.

Year	Traffic Handled (Million Tonnes)				
	Iron Ore	Coal	Iron & Steel	Others	Total
2004-05	8.19	Neg.	Neg.	0.01	8.2
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>

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 2016-17, non-major ports in the State handled 0.71 million tonnes of cargo traffic as compared to 0.84 million tonnes in 2015-16 reflecting decrease of 15.5% 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 but 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 which had handled 1.13 million tonnes of cargo during 2010-11 and its contribution was 36.4%. In 2016-17, cargo handled at Karwar Port was 0.58 million tonnes and at Old Mangalore was 0.12 million tonnes.

<b>Table 25 : Traffic Achieved at Select Non-Major Ports – Karnataka</b>						
<b>Year</b>	<b>Traffic Handled (Million Tonnes)</b>					
	<b>Karwar</b>	<b>Old Mangalore</b>	<b>Malpe</b>	<b>Belekri</b>	<b>Others</b>	<b>Total</b>
2004-05	2.61	0.08	0.01	0.81	-	3.51
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
<b>2016-17</b>	<b>0.58</b>	<b>0.12</b>			<b>0.01</b>	<b>0.71</b>

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

<b>Table 26 : Commodity-wise Traffic Handled at Non-Major Ports – Karnataka</b>							
<b>Year</b>	<b>Traffic Handled (Million Tonnes)</b>						
	<b>POL &amp; Products</b>	<b>Granite</b>	<b>Fertiliser &amp; FRM</b>	<b>Salt</b>	<b>Iron Ore</b>	<b>Others</b>	<b>Total</b>
2004-05	0.11	0.27	0.02	0.06	2.72	0.32	3.50
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
<b>2016-17</b>	<b>0.11</b>		<b>0.04</b>	<b>0.10</b>		<b>0.46</b>	<b>0.71</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 2016-17 the non-major ports in Tamil Nadu collectively handled 1.15 million tonnes of cargo traffic as compared to 0.86 million tonnes in the previous year with increase of growth of 33.7%. The port-wise traffic is brought out in the **Table 27**.

17.6.2 Nagapattinam port handled the maximum traffic of 0.30 million tonnes during 2016-17 accounting for 26.1% followed by Cuddalore port (0.29 million tonnes) accounting for 25.2% and Other Ports (0.48 million tonnes) accounted for 41.7% of the total traffic handled by all the non major ports in the State.

<b>Table 27 : Traffic Achieved at Select Non-Major Ports-Tamil Nadu</b>							
<b>Year</b>	<b>Traffic Handled (Million Tonnes)</b>						
	<b>Ennore</b>	<b>PY-3</b>	<b>Naga-pattinam</b>	<b>Tirukka-daiyur</b>	<b>Cudda-lore</b>	<b>Others</b>	<b>Total</b>
2004-05	0.05	0.29	0.42	0.09	-	-	0.85
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
<b>2016-17</b>	<b>0.04</b>	<b>0.00</b>	<b>0.30</b>	<b>0.04</b>	<b>0.29</b>	<b>0.48</b>	<b>1.15</b>

17.6.3 The commodity-wise breakup of traffic handled at non-major ports in Tamil Nadu indicate that POL & products constitute the major item of cargo handled (26.1%) followed by other commodities of 0.77 million tonnes with share of 66.9% of the traffic 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>Fertilizer &amp; FRM</b>	<b>Edible Oil</b>	<b>Others</b>	<b>Total</b>
2004-05	0.75	0.05	0.02	0.03	0.85
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
<b>2016-17</b>	<b>0.30</b>	<b>0.04</b>	<b>0.04</b>	<b>0.77</b>	<b>1.15</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 2016-17 the non-major ports in Odisha collectively handled 22.47 million tonnes

of cargo traffic as compared to 14.95 million tonnes in the previous year with increase of growth of 50.3%. 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	0.00	0.30	0.30
2008-09	0.00	0.30	0.30
2009-10	0.00	0.47	0.47
2010-11	0.00	0.47	0.47
2011-12	5.08	0.00	5.08
2012-13	11.07	0.00	11.07
2013-14	14.30	0.07	14.37
2014-15	15.45	0.00	15.45
2015-16	14.71	0.24	14.95
<b>2016-17</b>	<b>21.42</b>	<b>1.05</b>	<b>22.47</b>

Note: Dhamra Port started operatins 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 (61%) followed by Iron ore of 6.43 million tones with share of 28.6% of the traffic 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>Fertilizer &amp; FRM</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
<b>2016-17</b>	<b>0.28</b>	<b>6.43</b>	<b>13.71</b>	<b>2.06</b>	<b>22.47</b>



## **SECTION – II**

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

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

(As on 31.3.2017)

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>	12	205	217

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 31.3.2017)

<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-Belapuri*	4 Kundapura*	16 Chettinad Tharangambadi
5 Jafarabad*	17 Mora	5 Bhatkal	<b>Odisha</b>
6 Okha*	18 Mandwa	6 Honnavar	1 Gopalpur*
7 Porbandar*	19 Karanja	7 Tadari	2 Bahabalpur
8 Veraval	20 Rewas	8 Belekeri*	3 Bahudamuham
9 Bhavnagar*	21 Dharamtar*	9 Karwar*	4 Palur
10 Bharuch	22 Revdanda*		5 Baliharichandi
11 Magdalla*	23 Borli/ Mandla	<b>LAKSHADWEEP</b>	6 Astaranga
12 Koteshtar	24 Nandgaon	1 Agatti*	7 Jatadhar Muhan
13 Mundra (old) *	25 Murud- Junijira	2 Amini*	8 Barunei muhan
14 GAPL*	26 Rajpuri / Dighi*	3 Androth*	9 Dhamra*
15 Jakhau*	27 Mandad	4 Bitra	10 Chudamani
16 Jodiya	28 Kumbharu	5 Chetlat*	11 Inchuri
17 Salaya*	29 Shriwardhan	6 Kavaratti*	12 Chandipur
18 Pindhara	30 Bankot*	7 Kadmat*	13 Subanarekha Mouth (Kirtania )
19 Beyt	31 Kelsi*	8 Kiltan*	
20 Rupen	32 Har nai	9 Kalpeni	
21 Mangrol	33 Dabhol*	10 Minicoy*	
22 Kotada	34 Palshet		
23 Madhavard	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 Mus	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/ Valiyathura
30 Gogha	42 Achara	7 Rangatt*	3 Thankserry
31 Khambhat	43 Malvan	8 Hut Bay*	4 Kollam / Neendakara*
32 Dahej*	44 Niwti	9 Katchal*	5 Alappuzha
33 Bhagwa	45 Vengurla	10 Campbell Bay*	6 Kodungallore
34 Onjal	46 Redi*	11 Neil Havelock	7 Ponnani
35 Vansi-Borsi	47 Kiranpani	12 Dugong Creek	8 Kozhikode*
36 Billimora	48 Ratnagiri*	13 Nancowry*	9 Beypore
37 Valsada		14 Chowra	10 Thalassery
38 Umar Sadi	<b>ANDHRA PRADESH</b>	15 Teressa	11 Kannur
39 Kolak	1 Bhavanapadu	16 Kondul	12 Kasaragode
40 Maroli	2 Kalingapatnam	17 Pillow Millow	13 Neeleswaram
41 Umargam	3 Bheemunipatnam	18 East Island	14 Azhikkal*
42 Mul-Dwarka*	4 Kakinada	19 Cinque Island	15 Kayamkulam
43 HPPL (Hazira)*	i) Anchorage*	20 Jolly Bouy Island	16 Vadakara
44 AHPPL*	ii) Kakinada Deep Water*	21 Tillonchong	17 Manjeswaram
45 Alang*	5 Narasapur	22 Castle Bay	
46 Sachana	6 Machilipatnam	23 South Bay	
	7 Vadarevu		
<b>MAHARASHTRA</b>	8 Nizampatnam	<b>TAMIL NADU</b>	<b>PUDUCHERRY</b>
1 Dahanu*	9 Krishnapatnam*	1 Cuddalore*	1 Pondicherry
2 Tarapur	10 Gangavaram *	2 Nagapattinam*	2 Karaikal*
3 Nawapur	11 Mutyalammappalem	3 Rameswaram	3 Chemplast Sanmar (Karaikal)*
4 Satpati*	12 Rawa*	4 Pamban	
5 Kelwa-Mahim		5 Colachel	<b>WEST BENGAL</b>
6 Datiware	<b>GOA</b>	6 Valinokkam	1 Kulpi
7 Uttan	1 Panaji*	7 Kanyakumari	
8 Bassein	2 Chapora	8 Ennore*	
9 Bhiwandi*	3 Betul	9 Kattupalli*	
10 Manori	4 Talpona	10 Thirukkadaiyur*	
11 Kalyan	5 Tiracol	11 PY-3(Oil field)	

\* Non-Major Ports handling Cargo (74 Non Major Ports).

Source : State / UT

Table 1.3

## Topography of Major Ports

(As on 31.3.2017)

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
Kandla	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	10.0(#)	13.1-14.2	400	2	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-5.0, Max-8.4

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

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

Source : Major Ports/IPA Page No.2

**Table 1.4 Berths Available at Major Ports**

(As on 31.03.2017)

Port/ Type of Berth (No.)	Draft (In Mtrs.)	Quay Length (In Mtrs.)	Maximum size of ships that can be accommodated (DWT)	Percentage Occupancy during	
				2015-16	2016-17
1	2	3	4	5	6
<b>KANDLA</b>					
<b>I) Cargo Jetty</b>					
CJ-I - Multipurpose	9.8	182.87	45,000	92	80
CJ-II - Multipurpose	9.8	182.87	45,000	88	88
CJ-III - Multipurpose	9.8	182.87	45,000	89	88
CJ-IV - Multipurpose	9.8	182.87	45,000	84	77
CJ-V - Multipurpose	9.1	205.73	35,000	90	83
CJ-VI - Multipurpose	9.1	205.73	35,000	100	81
CJ-VII - Multipurpose	12.0	238.64	55,000	95	80
CJ-VIII - Multipurpose	12.0	213.04	55,000	70	98
CJ-IX - Multipurpose	12.0	182.87	55,000	58	90
CJ-X - Multipurpose	12.0	205.72	55,000	86	91
CJ-XI - Multipurpose & Container	12.5	281.00	65,000	53	48
CJ-XII - Multipurpose & Container	12.5	264.00	65,000	96	74
CJ- XIII- Multipurpose & Container	13.0	300.00	75,000	34	32
CJ-XV	13.0	300.00	75,000	3	20
Tuna Taker	16.2	600.00		37	50
<b>II) IFFCO BARGE JETTY</b>	...	...	...	34	21
<b>III) Oil Jetty</b>					
OJ-I - POL Products, Veg.Oil & other Liquids	10.4	213.4	40,000	87	67
OJ-II - POL Products, Veg.Oil & other Liquids	9.0	183.0	52,000	95	96
OJ-III - POL Products, Veg. Oil & other Liquids	9.8	213.4	40,000	97	96
OJ-IV - POL Products, Veg. Oil & other Liquids	10.7	216.0	56,000	97	98
OJ-V - Phos. Acid & Ammonia	10.7	216.0	45,000	86	87
OJ-VI - POL Products	10.1	216.0	45,000	47	54
<b>IV) At Vadinar</b>					
SBM-I - POL Crude	30.0	ō	3,00,000	84	80
SBM-II - POL Crude	30.0	ō	3,00,000	85	82
SBM-III - POL Crude	30.0	ō	3,00,000	51	52
Product Jetty -I POL (Products)	14.0	ō	1,00,000	52	58
Product Jetty -II POL (Products)	14.0	...	1,00,000	67	68
<b>MUMBAI@</b>					
<b>Indira Docks</b>					
1. Indira Dock Multi-Purpose berth	8.84 to 9.14	180	ō	31	41
2. Indira Dock Multi-Purpose berth	8.84 to 9.14	158	ō	45	36
3. Indira Dock Multi-Purpose berth	8.84 to 9.14	158	ō	39	31
4/5. Indira Dock Multi-Purpose berth	8.84 to 9.14	158	ō	60	62
9. Indira Dock Multi-Purpose berth	8.84 to 9.14	152	ō	62	33
J/E Indira Dock Multi-Purpose berth	8.84 to 9.14	130	ō	12	20
10. Indira Dock Multipurpose	8.84 to 9.14	152	ō	57	39
11. Indira Dock Multipurpose	8.84 to 9.14	152	ō	20	11
12. Indira Dock Multipurpose	8.84 to 9.14	152	ō	23	17
12 A. Indira Dock Multipurpose	8.84 to 9.14	180	ō	27	5
12 B. Indira Dock Multipurpose	8.84 to 9.14	180	ō	39	31
13 Indira Dock Multipurpose	8.84 to 9.14	158	ō	45	40
13 A. Indira Dock Multipurpose	8.84 to 9.14	180	ō	25	13

Table 1.4

**Berths Available at Major Ports**

(As on 31.3.2017)

Type of Berth (No.)	Draft (In Mtrs.)	Quay Length (In Mtrs.)	Maximum size of ships that can be accommodated (DWT)	Percentage	
				Occupancy during	
				2015-16	2016-17
1	2	3	4	5	6
13 B.Indira Dock Cargo and Bulk Cargo	8.84 to 9.14	180	0	30	30
14. Indira Dock Multipurpose	8.84 to 9.14	158	0	40	15
15. Indira Dock Multipurpose	8.84 to 9.14	158	0	27	22
16. Indira Dock Multipurpose	8.84 to 9.14	158	0	65	32
18.Indira Dock Multipurpose	7.0 CD	183	0	50	38
19/20. Indira Dock Multipurpose	7.0 CD	168	0	66	60
21. Indira Dock Multipurpose	7.0 CD	168	0	72	56
22/23. Indira Dock Multipurpose	7.0 CD	168	0	31	10
<b>Ballard Station</b>					
Pier- Container	10.0 CD	244	0	89	67
<b>Ballard Extn.</b>					
Pier- Paassenger cum Cargo	10.0 CD	232	0	79	68
<b>Victoria Dock *</b>					
1. Multipurpose Berth	6.7	140	0		
2. Multipurpose Berth	6.7	140	0		
3. Multipurpose Berth	6.7	140	0	*	*
4. Multipurpose Berth	6.0	140	0	*	*
5. Multipurpose Berth	6.7	140	0	*	*
6. Multipurpose Berth	6.7	140	0	*	*
7. Multipurpose Berth	6.7	140	0	*	*
8. Multipurpose Berth	6.7	140	0	*	*
9. Multipurpose Berth	6.7	140	0	*	*
10/11.Multipurpose Berth	6.7	140	0	*	*
12.Multipurpose Berth	6.7	140	0	*	*
14.Multipurpose Berth	6.7	140	0	*	*
<b>Prince's Dock *</b>					
A. Multipurpose Berth	6.1 to 6.4	152	0	**	**
B. Multipurpose Berth	6.1 to 6.4	152	0	**	**
C. Multipurpose Berth	6.1 to 6.4	152	0	**	**
D. Multipurpose Berth	6.1 to 6.4	152	0	**	**
F. Multipurpose Berth	6.1 to 6.4	152	0	**	**
G. Multipurpose Berth	6.1 to 6.4	152	0	**	**
N/O. Multipurpose Berth	6.1 to 6.4	152	0	**	**
P/Q. Multipurpose Berth	6.1 to 6.4	152	0	**	**
<b>Jawahar Dweep</b>					
1.JD - POL	11.58	244	70,000	50	52
2 JD - POL	10.97	244	48,000	38	36
3.JD - POL	11.58	244	70,000	50	53
4 JD - POL	14.30	493	1,25,000	62	64
Old Pir Pau Jetty - POL/Chem	7.50	174	35,000	52	21
New Pir Pau Jetty- POL/Chem	12.00	197	47,000	79	67
* New PIR Pau 2	13.00	230	-	-	65

Berth No.6 to 8 Indira Dock are used for holding MbPT CRAFTS.

17 Indira Dock berth is not used for cargo operations due to its proximity to entrance lock gate.

\* Berth commissioned on 13.01.2015.

Table 1.4 Contd...

## Berths Available at Major Ports

(As on 31.3.2017)

Port/ Type of Berth (No.)	Draft (In Mtrs.)	Quay Length (In Mtrs.)	Maximum size of ships that can be accommodated (DWT)	Percentage Occupancy during	
				2015-16	2016-17
1	2	3	4	5	6
<b>J.L.NEHRU</b>					
CB-01- Container JNPCT	14	680	1,50,000	91	90
CB-02 - Container JNPCT				83	89
CB-04 - Container NSICT	14	600	1,50,000	71	33
CB-05 - Container NSICT				65	66
CB-06 - Container NSICT				21	50
APMT-01-Container APMT	14	712	1,50,000	78	71
APMT-02-Container APMT				80	80
<b>Liquid Cargo Berth(BPCL)</b>					
Piled Jetty-Seaward-LB-01	14	300#	1,00,000	91	87
Inner face-LB-02	10.5	280##	50,000	84	80
SB-01 Shallow Draught Berth	7.0	445	30,000	31	24
SB-02 Shallow Draught Berth	10.0			73	67
SB-03 Shallow Draught Berth	10.0			71	59
JNPT Anchorage	-	-	-	32	72
<b>MORMUGAO</b>					
5 General Cargo(a)	13.0	210	50000	36	47
6 General Cargo(a)	14.0	240	70000	86	89
7. Barge Berth(b)*	14.0	300		20	34
8. Liquid Bulk	13.0	298	125000	26	37
9.Iron Ore	14.0	357.5	275000	75	78
10. General Cargo	12.5	250	55000	67	82
11. General Cargo	12.5	270	65,000	68	83
<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	19	16
Berth No. 2 General Cargo	10.5	198	30000	34	32
Berth No. 3 General Cargo	10.3	198	30000	40	36
Berth No. 4 General Cargo/Liq. Amonia/Phos. Acid	9.5	198	30000	14	18
Berth No. 5 General Cargo/Bulk Cement/Edible Oil	9.5	198	30000	46	43
Berth No. 6 Coal/Bulk Cargo	9.5	198	30000	21	27
Berth No. 7 Coal/Bulk Cargo	9.5	198	30000	16	20
Berth No.8 Coal/Bulk Cargo	12.5	300	60000	64	23
Berth No.9 LPG	10.5	330	45000	29	37
Berth No.10 Cruid/ POL Product	14.0	320	85000	-	55
Berth No.11 Cruid/ POL Product	14.0	320	85000	-	55
Berth No.12 POL Product/LPG/Chemical	12.5	320	50000	-	52
Berth No.13 POL Product	14.0	350	85000	43	77
Berth No. 14 Coal/Bulk cargo	14.0	350	90000	57	83
Berth No.15 Coal (UPCL)	14.0	350	90000	50	29
Berth No.18 Coal/Bulk Cargo	14.0	300	90000	65	0
Single Point Mooring (SPM)	21.0	-	300000	55	46

# 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 31.3.2017)

Port/ Type of Berth (No.)	Draft (In Mtrs.)	Quay Length (In Mtrs.)	Maximum size of ships that can be accommodated (DWT)	Percentage Occupancy during	
				2015-16	2016-17
1	2	3	4	5	6
<b>COCHIN</b>					
Q1 - General Cargo	9.1	188	16000	24	45
Q2 - General Cargo	9.1	228	16000	47	14
Q3 - General Cargo	9.1		16000	26	4
Q4 - General Cargo/Liquid Bulk	9.1	251	30000	56	49
Q5 - General Cargo/Finished Fertiliser/CBFS	10.0	503	20000	66	53
Q6 - General Cargo/Container/CBFS	10.0		20000	74	49
Q7 - General Cargo	10.5		20000	68	60
Q8 - General Cargo	11.0	414	60000	76	51
Q9 - General Cargo	11.0		60000	100	49
Q10 - Fert. Raw Materials/Phos.Acid	10.7	278	60000	73	66
BTP - Passenger & Cargo/Liquid Bulk	10.0	270	35000	80	70
NCB - General Cargo/Liquid Amonia	9.1	209	35000	25	49
SCB - General Cargo/Liquid Amonia	9.1	192	15000	8	2
COT - POL /Crude	12.5	430	115000	47	51
NTB - POL Products	9.1	298	30000	80	50
STB - POL Products	9.1	266	20000	2	9
SPM - Crude Oil	22.5	NA	300000	53	53
V2 Container	14.5		100000	66	67
V3 Container	14.5		100000	50	52
LNG	14.5	376.5	100000	5	3
UTL	5.3	300	-	100	100
<b>V.O.CHIDAMBARANAR</b>					
<b>Alongside Berths</b>					
Berth No.1 - General Cargo	9.3	168	45269	57	79
Berth No.2 - General Cargo	9.3	168	57809	74	87
Berth No.3- Bulk Cargo	10.7	192	58642	77	90
Berth No.4 - Bulk & Ph.Acid	10.7	192	70101	77	89
Berth No.5 - Passenger & GC	8.6	168	57196	78	89
Berth No. 6 - General Cargo	9.3	168	56842	75	86
Berth No.7- Container	10.9	370	28966	97	96
Berth No.8 - General Cargo	12.8	345	60429	65	76
Berth No.9 - General Cargo	12.8	335	82962	82	89
<b>Shallow Drought Berth</b>					
Berth No.1 - General Cargo SBW I	5.9	140	5400	100	0
<b>Oil Jetty</b>					
NCB I	12.8	306	57305	52	51
Oil Jetty- POL, Ammonia	12.8	229	73711	38	39
<b>Coal Jetties</b>					
Coal Jetty No.1 -Thermal Coal	12.8	225	57196	65	50
Coal Jetty No.2- Thermal Coal	12.8	225	73879	64	43
EARM General Cargo	5	-	6298	100	62
Zone- B Jetty	3	320			
<b>CHENNAI</b>					
<b>Dr. Ambedkar Dock</b>					
1. North Quay - Passenger/ G.C./LB	8.5	198	0	60	66
2. West Quay I - G.C./Other Liquid Cargo	11.0	171	0	45	6
3. West Quay 2 - General Cargo/RO-RO/LB	12.0	171	0	20	26
4. Centre Quay - General Cargo/Food Grains	12.0	171	0	42	45
5. West Quay 3 - General Cargo/Food Grains	12.0	171	0	56	64



Table 1.4 Contd...

**Berths Available at Major Ports**

(As on 31.3.2017)

Port/ Type of Berth (No.)	Draft (In Mtrs.)	Quay Length (In Mtrs.)	Maximum size of ships that can be accommodated (DWT)	Percentage Occupancy during	
				2015-16	2016-17
1	2	3	4	5	6
6. West Quay 4 - Fert./General Cargo/Passenger	11.0	171	0	56	56
7. South Quay 1 - Fert./General Cargo/Dry Bulk	9.5	246	0	76	79
8. South Quay 2 - Fert./General Cargo/Dry Bulk/LB	9.5	179	0	32	43
<b>Jawahar Docks</b>					
11. J.D.1 - Fertilizer/Dry Bulk	11.5	218	0	48	46
12 J.D.2 - Under BRS/Fertilizer/Dry Bulk	13.0	218	0	46	63
13. J.D.3 - Fertilizer/Dry Bulk	12.0	218	0	46	42
14. J.D.4 - Other Ores/Coal	11.0	218	0	44	57
15. J.D.5 -Fertilizer/Dry Bulk	12.0	218	0	45	67
16. J.D.6 - Other Ores/Coal	11.0	218	0	37	61
<b>Bharathi Docks</b>					
17. B.D.1 - POL	14.6	356	0	67	62
18. B.D.2 - Iron Ore/Liquid	16.5	382	0	76	76
19. B.D.3 - POL	16.5	325	0	68	69
<b>Container Terminal</b>					
20. CT-1 - Containers	13.4	200	0	0	4
21. CT-2 - Containers	13.4	200	0	26	21
22. CT-3 - Containers	13.4	200	0	59	34
23. CT-4 - Containers	15	285	0	59	41
<b>International Terminal</b>					
24. SCB-I - Containers	15.0	287	0	57	46
25. SCB-II - Containers	15.0	270	0	53	53
26.SCB-III-Containers	15.0	275	0	43	45
<b>KAMARAJAR</b>					
Coal Berth - 1	14.5	280	77000	91	91
Coal Berth - 2	14.5	280	77000	95	90
Marine Liquid Terminal-1-POL/Chemicals #	13.5	360	150000	100	26
CICT- Coal	16.0	347.5	150000	72	92
GCB Automobiles/Project Cargo	10.0	278	70000	21	50
SIOT*	13.5	347.5	150000	-	-
<b>VISAKHAPATNAM</b>					
<b>Inner Harbour</b>					
<b>Multipurpose Berths</b>					
East Quay - 1	14.5	280	0	9	-
East Quay - 2	10.06	55.3	0	-	-
East Quay - 3	10.1	167.6	0	57	44
East Quay - 4	10.1	231	0	49	66
East Quay - 5	11.0	167.6	0	68	76
East Quay - 6	11.0	182.9	0	45	61
East Quay - 7	12.5	255	0	65	74
East Quay - 8	14.5	255	0	51	53
East Quay - 9	14.5	255	0	41	64
East Quay -10	10.0	182		-	-
West Quay - 1	13.0	212	0	65	68
West Quay - 2	13.0	116.7	0	67	69
West Quay - 3	13.0	201.1	0	66	70
West Quay - 4	11.0	243	0	58	57
West Quay - 5	11.0	241.7	0	45	46
West Quay -6 @	14.0	255		12	17
<b>Captive Berths</b>					
Oil Refinery Berth - 1-POL	10.06	270	0	74	67

# 58 vessels bearthed adjacent on the susequent time at MLT 1

@EQ-2 berth was de-commissioned w.e.f.24.6.2012.

@EQ-3 berth was de-commissioned for commercial operations w.e.f.27.09.2016.

OSST berth was not utilised for full- fledged operations after severly damaged Cyclone hud Hud on 12.10.2014

**Table 1.4**  
Contd...

**Berths Available at Major Ports**

(As on 31.3.2017)

Port/ Type of Berth (No.)	Draft (In Mtrs.)	Quay Length (In Mtrs.)	Maximum size of ships that can be accommodated (DWT)	Percentage Occupancy during	
				2015-16	2016-17
				1	2
Oil Refinery Berth - 2-POL	16.5	183	6	73	73
Fertiliser Berth-Fert./Raw Material/Liquid Ammonia	10.1	173	6	35	35
OR2	16.5	270		-	62
<b>Outer Harbour</b>					
1. VGCB - General cum Bulk Cargo@-Multipurpose	18.1	356	6	65	35
<b>Captive Berths</b>					
OB -Iron Ore/Coking Coal/Steam coal	16.5	270	6	23	83
OB -2 Iron Ore/Coking Coal/Steam coal	16.5	270		42	
OSTT - Crude Oil	17.0	408	6	-	-
LPG -POL/LPG	14.0	370.9	6	66	70
VCTPL- Containers	14.5	451		67	73
SPM-CRUDE OIL	-			-	38
FB	10.1	173.1	-	35	38
REWQ I **	11.0	170.0	-	10	16
<b>PARADIP</b>					
Iron Ore Berth-Iron Ore	13.0	260	70,000	31	66
East Quay - I -General	11.0	260	60000	67	53
East Quay - II-General	11.5		60000	66	48
East Quay - III-General	12.5		70000	82	83
South Quay-General	12.5	230	60000	86	79
Central Quay - I-General	14.5	230	95000	80	87
Central Quay - II-General	14.5		95000	85	89
Central Quay - III-General	14.5		95000	18	87
Fertiliser Berth - I	14.5	230	95000	57	83
Fertiliser Berth - II	14.5	230	95000	74	30
Multipurpose Berth-General	14.5	230	95000	38	83
Coal Berth - I	14.5	260	80000	83	59
Coal Berth - II	14.5	260	80000	85	65
North Oil Jetty	13.5	260	80000	73	47
SPM -I	21.0	370	32000	38	50
SPM -II&III	23.0	370			
South Oil Jetty	14.5	260.0	-	-	44
RO-RO Jetty- P. Cargo	5.0	90	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 +	60	95
3 KPD -General	8.7	128		47	53
4 KPD-General	8.5	136		68	33
5/7 KPD- General	8.7	229	-do-	88	57
6 KPD-General	8.2	118	-do-	33	25
8 KPD- General	8.5	128	-do-	100	100
9 KPD- General	8.7	108	-do-	40	16
10 KPD- General	8.5	161	-do-	54	77
11 KPD (Passenger & Coastal)	8.5	151	-do-	47	49
12 KPD( Passenger & Coastal)	8.6	143	-do-	76	73
22 KPD-General	8.7	151	-do-	70	52
23 KPD-General	8.7	147	-do-	100	100
24 KPD-General	8.7	152	-do-	77	76
25 KPD-General	8.5	169	-do-	59	52
26 KPD-General	8.4	185	-do-	47	84
27 KPD-General	8.2	195	-do-	76	64
28 KPD-General	8.4	195	-do-	50	64
29 KPD-General	8.4	185	-do-	71	20

+ Vessels with higher DWT/ Parcel load are handed at Anchorage.

\* Pol Crude Tanker of much higher DWT can be handled at anchorages

§ KPD berth other than Container and Liquid Cargo berths are generally for Break Bulk Cargo.

**Table 1.4  
Contd...**

**Berths Available at Major Ports**

(As on 31-03-2017)

Port/ Type of Berth (No.)	Draft (In Mtrs.)	Quay Length (In Mtrs.)	Maximum size of ships that can be accommodated (DWT)	Percentage Occupancy during	
				2015-16	2016-17
1	2	3	4	5	6
<b>Netaji Subhash Dock (NSD)</b>					
1 NSD-General/Heavy Cargo	8.2	200	-do-	49	57
2 NSD-General Cargo	8.5	187	-do-	49	65
3 NSD-General Cargo	8.7	183	-do-	63	81
4 NSD-Container	8.6	181	Around 21000	81	89
5 NSD-Container	8.6	182	-do-	76	90
7 NSD-Container	8.7	192	-do-	64	73
8 NSD-Container	8.0	225	Around 25000	77	88
12 NSD-Liquid Cargo	8.0	152	depending on parcel load	60	58
13 NSD-General Cargo	8.4	174	-do-	57	71
14 NSD-General Cargo	7.2	174	-do-	52	57
<b>Budge Budge Jetties</b>					
1 BB-Liquid Cargo	13.7	189	Around 38000*	55	39
2 BB-Liquid Cargo	11.1	95	-do-	16	16
3 BB-Liquid Cargo	11.2	146	-do-	36	37
5 BB-Liquid Cargo	12.3	189	-do-	35	41
7 BB-Liquid Cargo	10.7	140	-do-	40	36
8 BB-Liquid Cargo	9.1	177	-do-	42	41
<b>HALDIA DOCK COMPLEX</b>					
HOJ-I - POL, Amonia & Chemical	12.2	236	90000	82	79
HOJ-II - POL	12.2	277	150000	69	66
HOJ-III- POL Crude	12.5	275	150000	32	44
Berth No.2 - Multipurpose Berth handling Dry Bulk	10.0	238	75000	86	78
Berth No. -3- Multipurpose Berth handling POL, Iron Ore & other bulk	12.2	239	75000	84	64
Berth No.- 4 -Thermal Coal (Mechanised)	12.2	239	75000	60	49
Berth No.- 4 A- Coking Coal (Mechanised)	12.2	230	75000	71	72
Berth No. - 4 B - Multipurpose-Dry Bulk & Break Bulk	12.2	180	75000	84	79
Berth No. 5 - Coking Coal & FRM (Dry)-Mechanised	12.2	183	75000	94	81
Berth No. 6 - Multipurpose-Dry Bulk, Break Bulk & Liquid Bulk	12.2	212	75000	85	86
Berth No. 7 - Multipurpose-Dry Bulk, Break Bulk & Liquid Bulk	12.2	212	75000	80	76
Berth No. 8 - Multipurpose-Dry Bulk, Break Bulk & Liquid Bulk	12.2	220	75000	88	79
Berth No. 9 - Multipurpose-Dry Bulk, Break Bulk & Container	12.2	210	75000	90	73
Berth No. 10 - Multipurpose-Dry Bulk, Break Bulk & Container	12.2	210	75000	20	38
Berth No. 11 - Multipurpose-Dry Bulk, Break Bulk & Container	12.2	210	75000	41	48
Berth No. 12 - Multipurpose-Dry Bulk & Break Bulk	12.2	210	75000	81	80
Berth No. 13 - Multipurpose-Dry Bulk & Break Bulk	10.0	210	75000	93	80

\* 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 jetty 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 31.3.2017)

Port/Type	Dry Storage Accommodation		Liquid Storage Tanks			
	No.	Area(Sq.mts)/ Capacity	No.	Location	Capacity	Type of Cargo
1	2	3	4	5	6	7
<b>1. DEEN DAYAL</b>						
<b>(a) Dry Cargo Storage accommodation</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>						
Kutcha 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>						
			4	Port Area	11840 KL	PFAD / caustic soda
i) Transit Sheds/Overflow sheds.	4	20075				
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	7	Port Area	10960	Other Liquid Products
<b>Other Area</b>						
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 31.3.2017)

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	4	14852	55	Wharf Area	230645	Chemicals/POL/Molasses
ii) Covered Ware-Houses	5	16200				/Edible Oil
iii) Open Stack Yard (CWC)	8	160504	5	Wharf Area	33500(T)	Phosphoric Acid/
iv) Other Gowdowns	10	37004				Ammonia/Edible Oil.
			3	Wharf Area	1015000 ( T)	Cement Silos(3)
<b>5. J. L. NEHRU</b>						
i) CFS- JNP			154	Outside	725403 KL	A,B,C class of chemicals,
ii) CFS-Private			17	IOT-Near iasai	255000KL	POL Products. Edible
iii) Open Area-Inside Port			2	Uran	29280 KL	LPG
			8	ONGC	480000 KL	Crude Oil
<b>Container Yards</b>						
	1	3773222				
	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	1	20000				
<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	205109.4 KL	Edible Oil, CBFS, Fuel Oil.
ii) Ware-Houses	4	24329				
iii) Container Freight station		-	34	Area-IV	114134 KL	Phosphoric Acid, Edible Oil
<b>(b) Open Area</b>						
		663018				

Table 1.5 Contd.

## Storage Facilities Available at Major Ports

(As on 31.3.2017)

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	319243.40KL	Liquid cargo
(a) Covered area						
i) Inside port		66690				
ii) Outside port						
(b) Open Area						
i) Inside port		1101394.82				
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	-	6850	-	-	2036371	Crude LPG POL Chemicals
ii) Ware-house/Storage sheds	-	38777	-	-	178725 KLS	
ii) Ware- Houses	-	...	-	-	-	-
<b>(b) Open Area</b>						
i) Bulk cargo	0	194162	-	-	-	-
ii)Liquid storages	...	...	-	-	-	-
<b>Containers</b>					99320	
Outside					6500 TEUs	
<b>Private &amp; User Agencies</b>						
	...	942353				
	...	79700				
<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 kIS	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	0	1	Inside Port	9000 144TEUs	
ii)Container yard				Container yard	12000 TEUs	
				133000		
<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

\* 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	KDS	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 31.3.12	4.50	17.00	21.00	17.65	3.00	15.27	2.30	19.01	23.37	1.50	32.00	66.60	5.50	228.70
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
<b>Iron Ore</b>														
As on 31.3.12	-	8.00	4.50	12.50	6.00	8.00	-	-	7.50	33.00	-	-	-	79.50
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
<b>Coal</b>														
As on 31.3.12	-	7.00	20.00	-	21.00	-	12.55	-	5.40	-	-	-	-	65.95
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
<b>Fertiliser</b>														
As on 31.3.12	-	-	7.50	1.00	-	-	-	0.80	-	-	-	-	-	9.30
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
<b>Break-Bulk Cargo</b>														
As on 31.3.12	6.74	14.75	27.30	32.50	1.00	17.92	13.49	9.55	14.70	7.40	11.53	17.42	0.90	175.20
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
<b>Container</b>														
As on 31.3.12	5.90	4.00	-	2.68	-	42.00	5.00	12.50	-	-	1.00	7.20	57.60@	137.88
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
<b>TOTAL</b>														
As on 31.3.12	17.14	50.75	80.30	66.33	31.00	83.19	33.34	41.86	50.97	41.90	44.53	91.22	64.00	696.53
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	64.00	743.03
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	65.88	858.03
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
<b>As on 31.3.17</b>	<b>26.21</b>	<b>69.89</b>	<b>143.44</b>	<b>110.75</b>	<b>57.00</b>	<b>93.44</b>	<b>65.90</b>	<b>56.57</b>	<b>87.63</b>	<b>50.04</b>	<b>65.33</b>	<b>150.26</b>	<b>89.37</b>	<b>1065.83</b>

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

Mumbai : Partial capacity of 2.30 MT has been considered at offshore container terminal.

VOCPT : Partial capacity of 2.30 MT has been considered at berth no.container terminal.

Kamarajar :One berth with 400 MT lenth container terminal capacity (Phase-I) taken into account during 2016-17

Kandla : Break-up of POL capacity at Kandla Port Oj-1-6: 16.11 MT Essar berth 12.26 MT,IOC2 SBMs 39.90 MT, Essar SBM 19.95MT, Anchorage 0.8 MT thus totaling 89.02 MT.

NMPT : Break bulk cargo capacity of berth namely berth 1-7, GCB &amp;berth 12 are 0.64 MT, 2.56 MT, 2.56MT,1.84 MT,1.84 MT, 1.92MT, 4.09 MT and 6MT thus totaling 23.29 mtpa.

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	KPT	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	5+1SBM	2	6	8+3SBM+A	3	49+9SBM+2BJ
31.3.17	7	3+2BJ	2+3SBM	5+1 SBM	1	2	1	4+1SBM	5+1SBM	1	6	8+3SBM+A	2	47+9SBM+2BJ
<b>IRON ORE</b>														
31.3.12	-	2	1	1	1	1	-	-	1	1+TRANS	-	-	-	8+TRANS
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
<b>COAL</b>														
31.3.12	-	2	2	-	3	-	3	-	1	-	-	-	-	11
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
<b>FERTILISER</b>														
31.3.12	-	-	2	1	-	-	-	1	-	-	-	-	-	4
31.3.13	-	-	2	1	-	-	-	1	-	-	-	-	-	4
31.3.14	-	-	2	1	-	-	-	1	-	-	-	-	-	4
31.3.15	-	-	2	1	-	-	-	1	-	-	-	1	-	5
31.3.16	-	-	2	1	-	-	-	2	-	-	-	2	-	7
31.3.17	-	-	2	1	-	-	-	1	-	-	-	1	-	5
<b>BREAK BULK</b>														
31.3.12	22+A	8	9	15	1	14	10	12	8	4	25+A	11	1	140+A
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
<b>CONTAINER</b>														
31.3.12	4	2	-	1	-	7	1	2	-	-	1	2	9	29
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
<b>TOTAL</b>														
31.3.12	33+A	17+2BJ	15+SBM	22	6	24	15	18+ SBM	14	6+TRANS	31+A	21+3SBM+A	13	234+5SBM+Trans+2BJ+A
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

BJ - Barge Jetty

A - Anchorage

SBM - Single Buoy Mooring

TRANS - Transhipper

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

VJs= Virtual Jetties

Source : Development Wing, M/o Shipping.



**Table 1.8****Cargo Handling Equipment Available at Major Ports (As on 31.3.2017)**

(In Nos.)

Port	Crane				Fork Lift Truck	Tractor	Trailor	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*	-	-	8
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	-	9+22*	23+91*	13+10*	20+128* (Hired)	270*	4**	-
Kandla	-	16	-	-	9	3	1	2	-
<b>All Ports</b>	<b>30</b>	<b>59</b>	<b>52</b>	<b>182</b>	<b>140</b>	<b>574</b>	<b>24</b>	<b>51</b>	

\*: Under BOT Operators.

(\$ ) 11 FLT's

\*\*: 2 Pay Loaders, 1 Excavator, 1 JCB.

## 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 31.3.2017)

Port	No. of Berths	Vessel Size (IN DWT)	Equipment						
			Quay Side	Yard Gantry	Toplift Trucks/	Forklift	Tractors	Trailers	
			Gantry Cranes	Cranes	Reach Stackers				
1	2	3	4	5	6	8	7	9	
<b>KOLKATA DOCK SYSTEM @</b>	4	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	95,000	14	40	1ECH -1 RS 2 <small>(ECH= Empty Container Hanler,RS=Reach Stacker)</small>	4	-	103	
<b>V.O.Chidambaranar</b>	1(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- 3x65TT	R/S- 9X45T(Hired)	-	20+128(Hired)		
<b>NSICT (BOT Operator)</b>	2	150000	8x50 T	RTGC- 29x40T RMGC- 3x40T	R/S-2x45T E/H-2X8T	-	110(Hired)		
<b>GTIPL (BOT Operator)</b>	2	1,50,000	10x61 T	RTGC- 40x50/61T RMGC- 3x61T	R/S-2X45T E/H-2X8T		130(Hired)		
<b>NSGIT (BOT Operator)</b>	1	2,10,000	4x65 T	16x40 T	R/S-1X45T E/H-1X8T	1X5T 2X3T	30(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.

\*\* Reach Stackers

Source: Indian Ports Association

Table 1.10

## Berthing Facilities Available at Non-Major Ports

(As on 31.3.2017)

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>								
Dahej	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 31.3.2017)

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
Navalakh	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 figure berth	-	-	-	4	4
			Barge Berth	-	-	-	1	1
Veraval	Intermediate	13-14	Direct berth for small coaster with Fair Weather port	-	1	-	-	1

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

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

(As on 31.3.2017)

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
Hamai	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 31.3.2017)

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	2	3
Honnavar	Minor	10.00	RCC piled jetty	1	1	-	-	2
Bhatkal	Minor	8.00	RCC piled jetty	-	1	-	-	1
Tadri	Minor	10.00	RCC piled jetty	1	-	-	-	1
Kundapur	Minor	8.00	RCC piled jetty	-	2	-	-	2
Belekeri	Minor	10.00	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. Vizinjam/	Minor	6.00	General Cargo berth	-	1	1	0	2
Koavalam	Minor	7.20	Concerete wall	-	-	-	1	1
2. Azhikkal	Minor	20.00	RCC	1	1	-	-	2
3. Kozhikode/Beypore	Intermediate	6.50	General Cargo berth	-	2	-	-	2
4. Kollam	Minor	10.00	RCC Type	-	-	-	1	1
<b>ODISHA</b>								
1. Dhamra	Minor	20.00	mechanical & manual	-	-	-	3	3
2. Gopalpur	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 31.3.2017)

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 Terminal	-	-	-	1	1
Nagapattinam	Anchorage	Berthig a wharf to a length 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>								
Pondichery	Minor	12.00	RCC Multi purpose	-	1	-	-	1
Sanmar/Karaikal MTF	Minor	9.50	Multi purpose	-	-	-	1	1
Karaikal LTD	Minor	18.00	Multi purpose	-	-	-	5	5

Table 1.11

## Equipment Available at Various Non-Major Ports (As on 31.3.2017)

(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>											
2015-16	8	-	-	2	2	7	1	9	13	-	-
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 Terminal	-	-	-	-	-	-	-	-	3	-	-
PETRONET LNG LTD	-	-	-	-	-	-	-	3	4	-	-
Pipavav	-	-	-	40	-	-	-	-	4	-	-
<b>Total*</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>3</b>	<b>6</b>	<b>1</b>	<b>12</b>	<b>44</b>	<b>0</b>	<b>0</b>
<b>MAHARASHTRA</b>											
2015-16	-	1	-	8	-	40	-	-	2	-	-
2016-17	1	2	-	11	-	46	-	1	6	-	-
<b>GOA</b>											
Panaji											
2015-16	1	-	-	-	-	1	*	3	1	-	-
2016-17	1	-	-	-	-	1	*	2	1	-	-
<b>ANDHRA PRADESH</b>											
Kakinada Deep Water Port											
2015-16	-	-	-	12	-	-	-	-	-	-	-
2016-17	-	-	-	12	-	-	-	-	-	-	-
Krishnapatnam											
2015-16	-	3	-	39	1	-	1	5	4	-	-
2016-17	-	3	-	39	1	-	1	5	4	-	-
Gangavaram											
2015-16	-	-	-	2	-	-	-	3	3	-	-
2016-17	-	-	-	5	-	-	-	3	3	-	-
<b>TAMIL NADU</b>											
Nagapattinam											
2015-16	-	-	-	-	-	-	-	1	-	-	-
2016-17	-	-	-	-	-	-	-	1	-	-	-
Kanyakumari											
2015-16	-	-	-	-	-	-	-	1	3	-	-
2016-17	-	-	-	-	-	-	-	-	3	-	-
Kattupalli											
2015-16	-	-	-	21	-	-	-	2	2	-	-
2016-17	-	-	-	21	-	-	-	2	2	-	-
<b>KERALA</b>											
Kollam											
2015-16	-	1	-	3	-	-	-	-	1	-	-
2016-17	-	1	-	3	-	-	-	-	1	-	-
Azhikkal											
2015-16	-	-	1	2	-	-	-	-	-	-	-
2016-17	1	-	-	3	-	-	-	-	1	-	-



Table 1.11 (Contd...)

## Equipment Available at Various Non-Major Ports (As on 31.3.2017)

(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
Kozhikode/Beypor											
2015-16	-	6	-	4	-	-	-	-	4	-	-
2016-17	-	4	-	5	-	-	-	-	3	-	-
Kovalam-Vizhinjam											
2015-16	-	1	-	-	-	-	-	-	-	-	-
2016-17	-	1	1	4	-	-	-	-	1	-	-
<b>DIU</b>											
2015-16	-	-	-	4	-	-	-	2	-	-	-
2016-17	-	-	-	4	-	-	-	2	-	-	-
<b>PUDUCHERRY</b>											
2015-16	1	-	-	6	-	-	-	2	2	-	-
2016-17	2	-	-	-	-	-	-	2	2	-	-
<b>ODISHA</b>											
Gopalpur											
2015-16	1	-	2	1	2	4	1	3	1	-	-
2016-17	-	-	-	2	-	-	-	2	2	-	-
Dhamra											
2015-16	-	-	-	3	-	-	-	-	3	-	-
2016-17	-	-	-	4	-	-	-	-	4	-	-
<b>ANDAMAN &amp; NICOBAR ISLAND</b>											
2015-16	2	-	13	18	5	-	-	2	2	-	26
2016-17	2	-	6	2	9	-	-	-	1	-	-
<b>LAKSHADWEEP</b>											
Agatti											
2015-16	-	-	-	-	-	-	-	-	-	-	-
2016-17	-	-	-	-	-	-	-	-	-	-	-
Kavaratti											
2015-16	-	-	-	-	-	-	-	-	-	-	-
2016-17	-	-	-	-	-	-	-	-	-	-	-
Kalpeni											
2015-16	-	-	-	-	-	-	-	-	-	-	-
2016-17	-	-	-	-	-	-	-	-	-	-	-
Chetlat											
2015-16	-	-	-	-	-	-	-	-	-	-	-
2016-17	-	-	-	-	-	-	-	-	-	-	-

: In Karnataka - Operated by private registered stevedores

No departmental Tug available.

\* In Gujarat for yeat 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 31.3.2017)

Maritime States/Uts	(Number)											
	General Light house	Light buoy	Wreck marking buoys	VHF/HF RT set.	Radio Beacon	Racons	Light Vessel	Launches	Light House Tender	DGPS	VTS	NAIS
1	2	3	4	5	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>0</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 & 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 -2016-17**

(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	77204	20775	369	98348	4018	3076	0	7094	81222	23851	369	105442
Mumbai	25751	3345	5561	34657	2412	5022	21038	28472	28163	8367	26599	63129
J.L. Nehru	32518	25255	338	58111	2238	1683	119	4040	34756	26938	457	62151
Mormugao	15030	17107	0	32137	818	226	0	1044	15848	17333	0	33181
New Mangalore	25815	5902	0	31717	5309	2910	0	8219	31124	8812	0	39936
Cochin	14463	3213	258	17934	5479	1240	354	7073	19942	4453	612	25007
V.O. Chidambaranar	22254	8719	0	30973	5743	1747	0	7490	27997	10466	0	38463
Chennai	30386	16043	0	46429	2946	839	0	3785	33332	16882	0	50214
Kamarajar	11060	2352	0	13412	16487	121	0	16608	27547	2473	0	30020
Visakhapatnam	33086	9258	825	43169	3235	13521	1095	17851	36321	22779	1920	61020
Paradip	53281	10174	10	63465	597	24897	0	25494	53878	35071	10	88959
Haldia Dock Complex	23101	3433	1408	27942	3196	3003	0	6199	26297	6436	1408	34141
Kolkata Dock System	8059	6192	1525	15776	558	476	0	1034	8617	6668	1525	16810
<b>All Ports</b>	<b>372008</b>	<b>131768</b>	<b>10294</b>	<b>514070</b>	<b>53036</b>	<b>58761</b>	<b>22606</b>	<b>134403</b>	<b>425044</b>	<b>190529</b>	<b>32900</b>	<b>648473</b>

Source : Major Ports

**Table 2.1.2 Traffic Handled At Major Ports by Selected Commodities - 2016-17**

('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	59516	735	3349	296	586	15555	175	5	25230	105442
Mumbai	35761	0	256	27	430	4204	639	43	21812	63129
J.L.Nehru	3829	0	0	0	0	0	54530	4500	3793	62152
Mormugao	627	15053	199	0	0	10980	402	30	5920	33181
New Mangalore	23032	2947	408	80	248	6920	1411	95	4890	39936
Cochin	15740	0	17	235	174	44	6840	491	1957	25007
V.O.Chidambaranar	439	0	604	1037	1906	14250	12991	642	7236	38463
Chennai	12216	0	62	206	571	0	28850	1495	8309	50214
Kamarajar	2648	0	0	0	0	23096	1	0	4275	30020
Visakhapatnam	13051	11620	1886	778	559	7760	6428	367	18938	61020
Paradip	27695	10250	39	4025	0	36007	42	2	10900	88959
Haldia Dock Complex	4766	1160	158	309	0	7341	2467	136	17940	34141
Kolkata Dock System	905	0	65	21	2030	20	9887	636	3882	16810
<b>All Ports</b>	<b>200225</b>	<b>41765</b>	<b>7043</b>	<b>7014</b>	<b>6504</b>	<b>126177</b>	<b>124663</b>	<b>8442</b>	<b>135082</b>	<b>648473</b>

\*: Thermal Coal &amp; Coking Coal

Source: Major Ports

Table 2.1.3

## Traffic Handled - Port-wise and Principal Commodity-wise - 2014-15, 2015-16 &amp; 2016-17

('000 Tonnes) Kolkata Dock System

Commodity	2014-15						2015-16						2016-17					
	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	73	6	79	453	94	547	133	88	221	418	25	443	172	6	178	456	271	727
Fertiliser	49	0	49	0	0	0	150	0	150	0	0	0	65	0	65	0	0	0
FRM - Dry	98	0	98	0	0	0	51	0	51	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	0	0	0	0	0	0	13	13	1	0	1	2016	14	2030	0	0	0
Iron & Steel	63	20	83	0	0	0	121	30	151	0	0	0	21	29	50	0	21	21
Iron Scrap	4	1	5	0	0	0	21	0	21	0	0	0	0	0	0	0	0	0
Sugar	0	0	0	0	0	0	0	0	0	0	0	0	39	0	39	0	0	0
Veg. Oil	670	0	670	0	0	0	719	0	719	0	0	0	525	0	525	0	0	0
Salt	0	0	0	0	0	0	0	0	0	30	0	30	0	0	0	22	0	22
Coking Coal	270	0	270	0	0	0	297	0	297	0	0	0	20	0	20	0	0	0
Thermal Coal	590	0	590	0	5	5	1660	0	1660	0	0	0	0	0	0	0	0	0
Cement	0	0	0	0	0	0	0	0	0	0	15	15	0	0	0	0	0	0
Iron Ore/Pellets	7	33	40	23	0	23	0	6	6	6	0	6	0	0	0	0	0	0
Other Ore	0	0	0	0	0	0	33	0	33	0	0	0	39	0	39	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	84	0	84	54	0	54	140	0	140	38	0	38	0	0	0	0	0	0
Container	4445	3625	8070	9	31	40	4929	4287	9216	12	35	47	5378	4442	9820	13	54	67
Others	2784	1092	3876	141	559	700	1752	1079	2831	30	663	693	1264	1725	2989	67	130	197
<b>Total</b>	<b>9137</b>	<b>4777</b>	<b>13914</b>	<b>680</b>	<b>689</b>	<b>1369</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>

Table 2.1.3 (Contd...)

## Traffic Handled - Port-wise and Principal Commodity-wise - 2014-15, 2015-16 &amp; 2016-17

Commodity	Haldia Dock Complex																	
	('000 Tonnes)																	
	2014-15						2015-16						2016-17					
	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	334	0	334	167	0	167	426	0	426	21	0	21	542	0	542	0	0	0
POL Products	201	228	429	1609	1079	2688	1389	458	1847	1895	878	2773	871	401	1272	2056	896	2952
Fertiliser	315	0	315	0	0	0	300	0	300	0	0	0	158	0	158	0	0	0
FRM - Dry	482	0	482	0	0	0	338	0	338	0	0	0	309	0	309	0	0	0
FRM - Liquid	467	0	467	0	0	0	343	0	343	9	0	9	251	0	251	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	417	25	442	3	6	9	563	74	637	30	16	46	176	489	665	17	30	47
Iron Scrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar	52	0	52	0	0	0	0	0	0	0	0	0	458	32	490	0	0	0
Veg. Oil	1942	13	1955	0	0	0	2386	6	2392	0	17	17	2204	0	2204	0	0	0
Salt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	12
Coking Coal	5653	0	5653	352	0	352	5407	0	5407	315	0	315	5463	0	5463	60	0	60
Thermal Coal	50	0	50	3	1185	1188	0	0	0	0	1552	1552	0	0	0	0	1818	1818
Cement	0	0	0	0	0	0	0	0	0	199	0	199	36	0	36	689	0	689
Iron Ore/Pellets	487	298	785	1417	135	1552	46	45	91	770	8	778	0	998	998	0	162	162
Other Ore	1581	0	1581	0	0	0	1240	0	1240	0	0	0	959	0	959	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	3174	149	3323	59	0	59	0	0	0	0	0	0	0	0	0	0	0	0
Container	997	933	1930	20	8	28	742	594	1336	33	7	40	1054	1137	2191	179	97	276
Others	6586	513	7099	64	6	70	12107	1009	13116	277	7	284	11212	1192	12404	183	0	183
<b>Total</b>	<b>22738</b>	<b>2159</b>	<b>24897</b>	<b>3694</b>	<b>2419</b>	<b>6113</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>

**Traffic Handled - Port-wise and Principal Commodity-wise - 2014-15, 2015-16 & 2016-17**

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

Commodity	('000 Tonnes)																		Paradip
	2014-15						2015-16						2016-17						
	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	1626	0	1626	91	0	91	18107	0	18107	0	0	0	24480	0	24480	133	0	133	
POL Products	65	0	65	1551	217	1768	305	120	425	1492	543	2035	248	1120	1368	347	1367	1714	
Fertiliser	51	0	51	0	0	0	0	0	0	0	0	0	39	0	39	0	0	0	
FRM - Dry	4378	0	4378	0	0	0	4361	0	4361	0	0	0	4025	0	4025	0	0	0	
FRM - Liquid	1512	0	1512	120	0	120	1866	0	1866	40	0	40	1748	0	1748	66	0	66	
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	2	0	2	111	0	111	0	0	0	36	685	721	6	200	206	
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	19	0	19	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	7388	14	7402	0	243	243	7870	0	7870	0	351	351	10135	0	10135	0	27	27	
Thermal Coal	8596	84	8680	55	21382	21437	7494	0	7494	0	23756	23756	5673	0	5673	0	20172	20172	
Cement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Iron Ore/Pellets	1011	957	1968	21	192	213	53	311	364	0	2525	2525	0	7235	7235	0	3015	3015	
Other Ore	73	96	169	0	0	0	0	131	131	0	0	0	0	334	334	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	15	44	59	0	8	8	70	62	132	0	0	0	14	25	39	0	3	3	
Others	19655	497	20152	36	1012	1048	6446	146	6592	15	222	237	6893	775	7668	45	112	157	
<b>Total</b>	<b>44389</b>	<b>1692</b>	<b>46081</b>	<b>1876</b>	<b>23054</b>	<b>24930</b>	<b>46683</b>	<b>770</b>	<b>47453</b>	<b>1547</b>	<b>27397</b>	<b>28944</b>	<b>53291</b>	<b>10174.2</b>	<b>63465</b>	<b>597</b>	<b>24896</b>	<b>25493</b>	



Table 2.1.3 (Contd...)

## Traffic Handled - Port-wise and Principal Commodity-wise - 2014-15, 2015-16 &amp; 2016-17

Commodity	('000 Tonnes)																		Visakhapatnam
	2014-15						2015-16						2016-17						
	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	7239	0	7239	1429	125	1554	9716	0	9716	1231	0	1231	9164	0	9164	325	0	325	
POL Products	138	659	797	2198	1341	3539	208	246	454	2055	1417	3472	154	266	420	2064	1078	3142	
Fertiliser	1838	0	1838	0	0	0	1996	0	1996	0	0	0	1886	0	1886	0	0	0	
FRM - Dry	720	0	720	0	0	0	799	0	799	0	0	0	761	2	763	15	0	15	
FRM - Liquid	472	0	472	118	0	118	526	0	526	61	0	61	552	0	552	15	0	15	
Food Grains	0	31	31	0	44	44	50	0	50	0	36	36	538	0	538	0	21	21	
Iron & Steel	98	965	1063	0	92	92	54	535	589	32	6	38	1	469	470	32	41	73	
Iron Scrap	0	0	0	0	0	0	71	0	71	0	0	0	33	0	33	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	5	0	5	0	0	0	
Salt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0	87	
Coking Coal	6074	0	6074	0	0	0	5108	0	5108	0	0	0	4282	0	4282	0	7	7	
Thermal Coal	0	0	0	0	2779	2779	0	0	0	0	3393	3393	0	0	0	0	3471	3471	
Cement	0	0	0	0	1	1	0	0	0	0	5	5	0	0	0	0	2	2	
Iron Ore/Pellets	64	3011	3075	0	5290	5290	107	1467	1574	0	4514	4514	150	3107	3257	50	8313	8363	
Other Ore	1340	25	1365	0	0	0	1298	18	1316	0	0	0	2039	5	2044	65	3	68	
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	2024	2193	4217	71	84	155	1997	2471	4468	370	307	677	2398	3318	5716	363	349	712	
Others	14166	2350	16516	771	254	1025	13616	2042	15658	291	992	1283	11948	2091	14039	354	1196	1550	
<b>Total</b>	<b>34173</b>	<b>9234</b>	<b>43407</b>	<b>4587</b>	<b>10010</b>	<b>14597</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>	

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

**Traffic Handled - Port-wise and Principal Commodity-wise - 2014-15,2015-16 & 2016-17**

('000 Tonnes)

**KAMARAJAR**

Commodity	2014-15						2015-16						2016-17					
	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	424	0	424	1470	0	1470	477	0	477	1966	0	1966	579	0	579	2069	0	2069
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	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	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	0	0	0	0	0	0	75	0	75	0	0	0	79	0	79	0	0	0
Thermal Coal	11949	0	11949	12273	0	12273	10261	0	10261	15276	0	15276	8630	0	8630	14387	0	14387
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	120	9	129	0	0	0	103	0	103	0	0	0	108	0	108	0	0	0
Container	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1
Others	1428	2578	4006	0	0	0	1443	2604	4047	0	0	0	1664	2352	4016	31	120	151
<b>Total</b>	<b>13921</b>	<b>2587</b>	<b>16508</b>	<b>13743</b>	<b>0</b>	<b>13743</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>

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

Table 2.1.3 (Contd...)

## Traffic Handled - Port-wise and Principal Commodity-wise - 2014-15, 2015-16 &amp; 2016-17

Commodity	('000 Tonnes)																		Chennai
	2014-15						2015-16						2016-17						
	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	8385	0	8385	1809	0	1809	7193	0	7193	1963	0	1963	8206	0	8206	1626	0	1626	
POL Products	98	1277	1375	784	306	1090	95	1057	1152	1167	416	1583	335	1039	1374	637	373	1010	
Fertiliser	272	0	272	0	0	0	61	0	61	0	0	0	62	0	62	0	0	0	
FRM - Dry	270	0	270	0	0	0	199	0	199	0	0	0	191	0	191	0	15	15	
FRM - Liquid	11	0	11	12	0	12	8	0	8	0	0	0	20	0	20	0	0	0	
Food Grains	0	37	37	0	0	0	0	0	0	0	0	0	571	0	571	0	0	0	
Iron & Steel	899	504	1403	16	0	16	1237	83	1320	0	1	1	724	742	1466	29	3	32	
Iron Scrap	21	48	69	0	0	0	296	12	308	0	0	0	252	51	303	0	0	0	
Sugar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Veg. Oil	1071	7	1078	0	0	0	1256	2	1258	0	4	4	1211	0	1211	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	0	18	18	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	251	251	0	0	0	0	417	417	0	0	0	0	577	577	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	13	0	13	94	0	94	0	0	0	0	0	0	0	0	0	0	0	0	
Container	15572	14335	29907	19	19	38	15779	13766	29545	321	341	662	15801	12269	28070	402	378	780	
Others	4150	2025	6175	192	26	256	2743	1355	33643	219	67	948	3013	1365	4378	252	70	322	
<b>Total</b>	<b>30762</b>	<b>18484</b>	<b>49246</b>	<b>2926</b>	<b>369</b>	<b>3295</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>	

Table 2.1.3 (Contd...)

## Traffic Handled - Port-wise and Principal Commodity-wise -2014-15, 2015-16 &amp; 2016-17

('000 Tonnes)

V.O. CHIDAMBARANAR

Commodity	2014-15						2015-16						2016-17					
	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	280	0	280	86	0	86	393	0	393	82	0	82	340	0	340	99	0	99
Fertiliser	417	21	438	0	0	0	499	0	499	0	0	0	604	0	604	0	0	0
FRM - Dry	1123	1	1124	0	0	0	1012	0	1012	0	0	0	1037	0	1037	0	0	0
FRM - Liquid	131	0	131	0	185	185	148	10	158	0	110	110	212	0	212	0	186	186
Food Grains	0	59	59	0	0	0	371	7	378	0	0	0	1906	0	1906	0	0	0
Iron & Steel	0	3	3	2	0	2	18	7	25	0	0	0	0	10	10	25	0	25
Iron Scrap	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Sugar	0	49	49	0	0	0	0	30	30	0	0	0	0	0	0	0	0	0
Veg. Oil	284	0	284	0	0	0	278	0	278	0	0	0	214	0	214	0	0	0
Salt	0	36	36	0	0	0	0	0	0	302	0	302	0	0	0	32	0	32
Coking Coal	0	0	0	0	0	0	3305	0	3305	0	0	0	3426	0	3426	0	0	0
Thermal Coal	3841	0	3841	4464	0	4464	6496	0	6496	4995	0	4995	6211	0	6211	4613	0	4613
Cement	0	20	20	0	7	7	0	99	99	0	0	0	0	103	103	0	2	2
Iron Ore/Pellets	46	0	46	0	0	0	86	0	86	0	0	0	0	0	0	0	0	0
Other Ore	1230	221	1451	0	0	0	1241	291	1532	0	0	0	1249	234	1483	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	84	0	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Container	3865	6219	10084	524	426	950	4439	6404	10843	740	805	1545	4298	6464	10762	859	1370	2229
Others	7590	940	8530	26	234	1210	2894	1443	15180	68	276	1889	2756	1908	4664	115	189	304
<b>Total</b>	<b>18891</b>	<b>7569</b>	<b>26460</b>	<b>5102</b>	<b>852</b>	<b>5954</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>

Table 2.1.3 (Contd...)

## Traffic Handled - Port-wise and Principal Commodity-wise - 2014-15, 2015-16 &amp; 2016-17

Commodity	('000 Tonnes)																		Cochin
	2014-15						2015-16						2016-17						
	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	9023	0	9023	1631	92	1723	8603	0	8603	2066	65	2131	11012	0	11012	1016	50	1066	
POL Products	202	782	984	1040	1247	2287	268	808	1076	992	971	1963	357	1361	1718	992	952	1944	
Fertiliser	68	0	68	0	0	0	22	0	22	0	0	0	17	0	17	0	0	0	
FRM - Dry	377	0	377	0	0	0	230	0	230	0	0	0	235	0	235	0	0	0	
FRM - Liquid	245	0	245	18	0	18	213	0	213	15	0	15	241	0	241	15	0	15	
Food Grains	0	0	0	0	0	0	95	0	95	0	0	0	174	0	174	0	0	0	
Iron & Steel	13	0	13	9	0	9	18	0	18	20	0	20	8	0	8	17	0	17	
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	4	0	4	0	0	0	12	0	12	0	0	0	5	0	5	0	0	0	
Salt	0	0	0	38	0	38	0	0	0	105	0	105	0	0	0	105	0	105	
Coking Coal	98	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Thermal Coal	0	0	0	0	0	0	88	0	88	0	0	0	44	0	44	0	0	0	
Cement	0	0	0	675	0	675	0	0	0	824	0	824	0	0	0	816	0	816	
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	126	18	144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Container	1679	1478	3157	1782	307	2089	1919	1618	3537	1998	250	2248	1903	1846	3749	2678	413	3091	
Others	487	133	620	21	2	212	673	201	4411	21	0	2269	596	135	731	17	2	19	
<b>Total</b>	<b>12322</b>	<b>2411</b>	<b>14733</b>	<b>5214</b>	<b>1648</b>	<b>6862</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>	

Table 2.1.3 (Contd...)

## Traffic Handled - Port-wise and Principal Commodity-wise - 2014-15, 2015-16 &amp; 2016-17

Commodity	New Mangalore																	
	('000 Tonnes)																	
	2014-15						2015-16						2016-17					
	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	13170	0	13170	1206	0	1206	14254	0	14254	1635	0	1635	13918	0	13918	2748	0	2748
POL Products	110	5133	5243	144	1708	1852	316	3391	3707	236	2134	2370	239	3692	3931	390	2045	2435
Fertiliser	649	0	649	9	0	9	732	0	732	0	0	0	408	0	408	0	0	0
FRM - Dry	55	28	83	0	0	0	53	26	79	0	0	0	37	43	80	0	0	0
FRM - Liquid	166	0	166	28	0	28	197	0	197	0	0	0	263	0	263	5	0	5
Food Grains	0	7	7	0	0	0	27	0	27	0	0	0	248	0	248	0	0	0
Iron & Steel	0	0	0	0	0	0	11	1	12	0	0	0	0	0	0	0	1	1
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	660	12	672	9	7	16	696	31	727	3	0	3	688	0	688	0	6	6
Salt	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Coking Coal	5417	35	5452	0	0	0	2958	53	3011	0	40	40	3304	48	3352	2	33	35
Thermal Coal	2726	0	2726	0	0	0	3319	0	3319	0	0	0	3533	0	3533	0	0	0
Cement	0	0	0	336	0	336	0	0	0	372	0	372	0	0	0	377	0	377
Iron Ore/Pellets	238	110	348	804	365	1169	72	171	243	57	154	211	326	1038	1364	1236	347	1583
Other Ore	341	0	341	0	0	0	330	0	330	0	0	0	79	0	79	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	55	330	385	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0
Container	394	344	738	92	90	182	502	382	884	144	78	222	469	319	788	363	260	623
Others	1627	61	1688	82	10	274	1910	1003	3797	157	137	516	2303	762	3065	188	218	406
<b>Total</b>	<b>25608</b>	<b>6060</b>	<b>31668</b>	<b>2718</b>	<b>2180</b>	<b>4898</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>

**Traffic Handled - Port-wise and Principal Commodity-wise - 2014-15,2015-16 & 2016-17**

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

Commodity	('000 Tonnes)																		Mormugao
	2014-15						2015-16						2016-17						
	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	516	55	571	0	0	0	557	2	559	9	0	9	618	0	618	
Fertiliser	227	0	227	0	0	0	223	0	223	0	0	0	199	0	199	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	359	0	359	0	0	0	372	0	372	0	0	0	336	0	336	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	63	63	0	0	0	0	0	0	0	0	0	0	103	103	0	38	38	
Iron Scrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sugar	0	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Veg. Oil	0	0	0	0	0	0	36	0	36	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	6568	0	6568	0	0	0	7740	0	7740	68	0	68	8349	0	8349	117	0	117	
Thermal Coal	1991	0	1991	9	0	9	3727	0	3727	0	0	0	2514	0	2514	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	54	264	318	100	340	440	383	3372	3755	12	198	210	330	14636	14966	0	87	87	
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	139	152	291	1	20	21	160	111	271	49	25	74	158	147	305	76	21	97	
Others	1360	2303	3663	57	122	179	1995	1556	3551	47	143	190	3135	2221	5356	7	80	87	
<b>Total</b>	<b>10698</b>	<b>2793</b>	<b>13491</b>	<b>683</b>	<b>537</b>	<b>1220</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>	

Table 2.1.3  
(Contd...)

**Traffic Handled - Port-wise and Principal Commodity-wise - 2014-15 , 2015-16 & 2016-17**

('000 Tonnes)

J. L. Nehru

Commodity	2014-15						2015-16						2016-17					
	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		1568	1568	0	0	0		1515	1515	0	0	0	0	1420	1420
POL Products	203	672	875	733	154	887	253	535	788	1056	60	1116	442	523	965	1404	40	1444
Fertiliser	627	0	627	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	98	0	98	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	1276	0	1276	0	0	0	1582	0	1582	0	0	0	1302	0	1302	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	653	0	653	0	0	0	674	0	674	0	0	0	816	0	816
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	4	841	2	0	2	837	0	837	0	0	0	691	75	766	0	113	113
Container	30085	26646	56731	52	150	202	30449	26082	56531	32	227	259	29537	24763	54300	10	220	230
Others	74	44	118	11	10	21	458	152	610	18	97	115	674	6.7	681	8	9	17
<b>Total</b>	<b>33102</b>	<b>27366</b>	<b>60468</b>	<b>1451</b>	<b>1882</b>	<b>3333</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>



Table 2.1.3  
(Contd...)

**Traffic Handled - Port-wise and Principal Commodity-wise - 2014-15,2015-16 & 2016-17**

Commodity	('000 Tonnes)																		Mumbai
	2014-15						2015-16						2016-17						
	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	11969	0	11969	10627	3069	13696	14207	0	14207	9470	2558	12028	14500	0	14500	9119	3102	12221	
POL Products	1610	2673	4283	4489	1400	5889	1625	1987	3612	4356	1466	5822	972	1994	2966	4187	1887	6074	
Fertiliser	172	0	172	0	0	0	148	0	148	0	0	0	256	0	256	0	0	0	
FRM - Dry	276	0	276	0	0	0	291	0	291	0	0	0	27	0	27	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	683	0	683	0	0	0	961	0	961	0	0	0	430	0	430	0	0	0	
Iron & Steel	4059	604	4663	43	6	49	5554	360	5914	89	0	89	2564	804	3368	559	33	592	
Iron Scrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sugar	0	97	97	0	0	0	0	5	5	0	0	0	0	0	0	0	0	0	
Veg. Oil	220	3	223	0	0	0	173	0	173	0	0	0	121	0	121	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	1596	0	1596	0	0	0	
Thermal Coal	4304	0	4304	0	0	0	3451	0	3451	0	0	0	2608	0	2608	0	0	0	
Cement	0	0	0	141	0	141	0	0	0	975	0	975	0	0	0	756	0	756	
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	150	0	150	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	534	10	544	0	0	0	445	85	530	17	27	44	138	119	257	382	0	382	
Others	10216	270	10486	3798	387	4185	11944	550	12494	220	5	225	7950	578	8528	8447	0	8447	
<b>Total</b>	<b>34043</b>	<b>3657</b>	<b>37700</b>	<b>19098</b>	<b>4862</b>	<b>23960</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>	

Note:- Coastal cargo unloaded includes transshipment of POL crude(9044 Th. Tonnes) and products(3086 Th. Tonnes) moved through pipeline.

Table 2.1.3  
(Contd...)

**Traffic Handled - Port-wise and Principal Commodity-wise - 2014-15, 2015-16 & 2016-17**

Commodity	('000 Tonnes)																		Deendayal
	2014-15						2015-16						2016-17						
	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	37902	0	37902	2679	0	2679	38379	0	38379	2717	0	2717	40972	0	40972	2891	0	2891	
POL Products	159	8981	9140	708	5160	5868	297	8742	9039	748	4111	4859	1340	11249	12589	603	2461	3064	
Fertiliser	3847	0	3847	0	0	0	4362	0	4362	0	0	0	3349	0	3349	0	0	0	
FRM - Dry	655	0	655	0	0	0	170	0	170	0	0	0	296	0	296	0	0	0	
FRM - Liquid	1288	49	1337	0	0	0	1856	0	1856	0	0	0	2123	0	2123	0	0	0	
Food Grains	7	2216	2223	0	0	0	79	733	812	0	0	0	198	388	586	0	0	0	
Iron & Steel	772	45	817	325	3	328	1131	81	1212	260	42	302	498	68	566	56	80	136	
Iron Scrap	86	0	86	0	0	0	426	0	426	0	0	0	397	0	397	0	0	0	
Sugar	1267	204	1471	0	0	0	1260	265	1525	7	26	33	1052	334	1386	0	0	0	
Veg. Oil	3342	210	3552	0	0	0	4907	144	5051	0	2	2	4538	131	4669	0	0	0	
Salt	0	2628	2628	0	82	82	0	3637	3637	0	505	505	0	5967	5967	0	306	306	
Coking Coal	242	0	242	0	0	0	217	0	217	0	0	0	496	0	496	0	0	0	
Thermal Coal	9725	0	9725	0	0	0	14784	0	14784	0	0	0	15059	0	15059	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	985	0	985	175	0	175	927	0	927	25	0	25	461	0	461	274	0	274	
Other Ore	35	419	454	0	44	44	0	334	334	0	4	4	0	239	239	0	22	22	
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chemicals	2059	49	2108	0	0	0	2519	98	2617	8	6	14	0	0	0	0	0	0	
Container	0	0	0	0	0	0	2	28	30	1	25	26	9	104	113	16	46	62	
Others	3473	2650	6123	6	20	26	3773	1657	5430	17	146	163	6785	2295	9080	178	161	339	
<b>Total</b>	<b>65844</b>	<b>17451</b>	<b>83295</b>	<b>3893</b>	<b>5309</b>	<b>9202</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>	

Table 2.1.3  
(Contd...)

**Traffic Handled - Port-wise and Principal Commodity-wise - 2014-15, 2015-16 & 2016-17**

Commodity	('000 Tonnes)																		All Ports		
	2014-15						2015-16						2016-17								
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal					
Unloaded	Loaded	Total	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	20	21	
POL Crude	89648	0	89648	19639	4854.3	24493.3	110885	0	110885	19103	4138	23241	122794	0	122794	19278	4572	22430			
POL Products	3563.223	20411.19	23974.41	15781.001	12761	28541.7	5759	17432	23191	17020	12023	29043	6058	21651	27709	15922	11370	27292			
Fertiliser	8532	21	8553	9	0	9	8493	0	8493	0	0	0	7043	0	7043	0	0	0			
FRM - Dry	8434	29	8463	0	0	0	7504	26	7530	0	0	0	6939	45	6984	15	15	30			
FRM - Liquid	4651	49	4700	296	185	481	5529	10	5539	125	110	235	5844	0	5844	101.39	186	287.39			
Food Grains	690	2350	3040	0	44	44	1583	753	2336	1	36	37	6081	402	6483	0	21	21			
Iron & Steel	6321	2229	8550	400	107	507	8818	1171	9989	431	65	496	4028	3399	7427	741	447	1188			
Iron Scrap	111	49	160	0	0	0	814	12	826	0	0	0	683	51	734	0	0	0			
Sugar	1319	361	1680	0	0	0	1260	300	1560	7	26	33	1549	366	1915	0	0	0			
Veg. Oil	9488	245	9733	9	7	16	12045	183	12228	3	23	26	10813	131	10944	0	6	6			
Salt	0	2664	2664	39	82	121	0	3637	3637	437	505	942	0	5967	5967	258	306	564			
Coking Coal	31710	49	31759	352	243	595	32977	53	33030	383	391	774	37150.18	48	37198.18	179	67	246			
Thermal Coal	43772	84	43856	16804	25351	42155	51280	0	51280	20271	28701	48972	44272	0	44272	19000	25461	44461			
Cement	0	20	20	1805	26	1831	0	99	99	3044	20	3064	36	103	139	3454	4	3458			
Iron Ore/Pellets	2892	4673	7565	2540	6322	8862	1674	5372	7046	870	7399	8269	1267	27014	28281	1560	11924	13484			
Other Ore	4600	1012	5612	0	44	44	4292	1191	5483	0	4	4	4365	1389	5754	65	25	90			
Tea and Coffee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Chemicals	6552	559	7111	216	0	216	3599	98	3697	46	6	52	799	75	874	0	113	113			
Container	59749	55979	115728	2570	1143	3713	61433	55890	117323	3718	2127	5845	61157	54953	116110	5341	3212	8553			
Others	73596	15456	89052	5205	2642	11106	61754	14797	121360	1380	2755	8812	60193.04	17405.9	77599	9892	2286.74	12178			
<b>Total</b>	<b>355628</b>	<b>106240.2</b>	<b>461868.4</b>	<b>65665.001</b>	<b>53811</b>	<b>119476</b>	<b>379699</b>	<b>101024</b>	<b>480723</b>	<b>66839</b>	<b>58329</b>	<b>125168</b>	<b>381071</b>	<b>133000</b>	<b>514071</b>	<b>74386</b>	<b>60016</b>	<b>134402</b>			

Source: Major Ports.

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

Port	2014-15 (%)			2015-16 (%)			2016-17 (%)		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>MAJOR PORTS</b>	<b>7.9</b>	<b>3.9</b>	<b>7.0</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>
Deendayal	7.0	5.6	6.7	5.1	2.7	4.7	7.2	3.0	6.3
Mumbai	15.8	22.3	16.4	20.9	11.8	20.3	21.3	0.0	19.1
J.N.P.T.	1.8	1.3	1.6	1.8	0.8	1.3	1.6	1.6	1.6
Mormugao	1.9	2.5	2.0	1.2	2.3	1.5	1.9	3.4	2.7
New Mangalore	13.7	12.6	13.5	10.1	5.2	9.3	18.3	4.1	15.7
Cochin	12.7	7.9	11.9	7.4	8.5	7.6	17.4	6.3	15.4
V.O.Chidambaranar	2.2	0.0	1.5	2.8	0.5	2.1	2.8	1.0	2.3
Chennai	9.4	1.8	6.6	5.7	0.2	3.7	11.1	1.9	7.9
Vizag	11.3	6.1	10.2	15.7	6.5	14.2	17.6	6.1	15.2
Paradip	5.6	4.4	5.5	10.9	27.4	11.2	12.3	3.6	10.9
Haldia Dock Complex	6.3	0.2	5.7	7.8	0.4	7.2	7.1	1.5	6.3
Kolkata Dock System	6.9	0.5	5.2	3.5	0.1	2.3	0.9	0.0	0.6
Kamarajar	3.1	0.0	2.6	5.2	0.0	4.3	8.1	0.0	6.7
<b>NON-MAJOR PORTS</b>	<b>8.8</b>	<b>5.1</b>	<b>8.0</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>
All Ports	<b>8.3</b>	<b>4.5</b>	<b>7.5</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>

Table 2.1.5

**Container Traffic Handled at Major Ports - Type-  
Wise - 2014-15, 2015-16 & 2016-17**

(Nos.)

Type	Deendayal			MUMBAI			JAWAHARLAL NEHRU**		
	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10
<b>IMPORT</b>	<b>0</b>	<b>1137</b>	<b>2272</b>	<b>41457</b>	<b>33743</b>	<b>34391</b>	<b>2258077</b>	<b>2271207</b>	<b>2205189</b>
20'	0	1137	2212	14845	8983	9605	1016305	987563	860303
40'	0	0	30	13306	12380	12393	620886	641822	672443
Stuffed	0	0	71	37317	29548	29727	1891196	1963417	1727009
20'	0	0	41	12697	7462	7359	923094	929471	629659
40'	0	0	15	12310	11043	11184	484051	516973	548675
Empty	0	1137	2201	4140	4195	4664	366881	307790	478180
20'	0	1137	2171	2148	1521	2246	93211	58092	230644
40'	0	0	15	996	1337	1209	136835	124849	123768
<b>EXPORT</b>	<b>0</b>	<b>2030</b>	<b>2910</b>	<b>4021</b>	<b>1231</b>	<b>679</b>	<b>2150923</b>	<b>2169069</b>	<b>2250486</b>
20'	0	2026	2896	2101	415	123	911335	910197	921680
40'	0	2	7	960	408	278	619794	629436	664403
Stuffed	0	2002	2910	3797	1036	332	1806331	1783877	1961335
20'	0	1998	2896	1951	370	112	738417	699265	883961
40'	0	2	7	923	333	110	533957	542306	538687
Empty	0	28	0	224	195	347	344592	385192	289151
20'	0	28	0	150	45	11	172918	210932	37719
40'	0	0	0	37	75	168	85837	87130	125716
<b>TRANSHIP-MENT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7846</b>	<b>7792</b>	<b>57696</b>	<b>51292</b>	<b>44474</b>
20'	0	0	0	0	3208	3640	15562	15396	7878
40'	0	0	0	0	2319	2076	21067	17948	18298
Stuffed	0	0	0	0	7846	7792	53632	43031	35480
20'	0	0	0	0	3208	3640	13862	11069	7032
40'	0	0	0	0	2319	2076	19885	15981	14224
Empty	0	0	0	0	0	0	4064	8261	8994
20'	0	0	0	0	0	0	1700	4327	846
40'	0	0	0	0	0	0	1182	1967	4074
<b>TOTAL</b>	<b>0</b>	<b>3167</b>	<b>5182</b>	<b>45478</b>	<b>42820</b>	<b>42862</b>	<b>4466696</b>	<b>4491568</b>	<b>4500149</b>
20'	0	3163	5108	16946	12606	13368	1943202	1913156	1789861
40'	0	2	37	14266	15107	14747	1261747	1289206	1355144
Stuffed	0	2002	2981	41114	38430	37851	3751159	3790325	3723824
20'	0	1998	2937	14648	11040	11111	1675373	1639805	1520652
40'	0	2	22	13233	13695	13370	1037893	1075260	1101586
Empty	0	1165	2201	4364	4390	5011	715537	701243	776325
20'	0	1165	2171	2298	1566	2257	267829	273351	269209
40'	0	0	15	1033	1412	1377	223854	213946	253558

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

No. Transshipment of containers has been undertaken at Kandla Port under Imports or Export,

Table 2.1.5  
(Contd...)**Container Traffic Handled at Major Ports - Type-Wise -  
2014-15, 2015-16 & 2016-17**

(Nos.)

Type	MORMUGAO**			NEW MANGALORE**			COCHIN**		
	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10
<b>IMPORT</b>	<b>10651</b>	<b>13616</b>	<b>14913</b>	<b>31730</b>	<b>38098</b>	<b>47799</b>	<b>178528</b>	<b>203791</b>	<b>228406</b>
20'	4721	7078	7607	21328	25706	33691	105394	116793	128788
40'	2965	3269	3653	5201	6196	7054	36567	43499	49809
Stuffed	7373	10338	10880	23451	30983	36507	152473	171732	193198
20'	4499	6856	7330	17167	22593	27541	102279	112166	124858
40'	1437	1741	1775	3142	4195	4483	25097	29783	34170
Empty	3278	3278	4033	8279	7115	11292	26055	32059	35208
20'	222	222	277	4161	3113	6150	3115	4627	3930
40'	1528	1528	1878	2059	2001	2571	11470	13716	15639
<b>EXPORT</b>	<b>11696</b>	<b>11923</b>	<b>14719</b>	<b>31078</b>	<b>37611</b>	<b>47130</b>	<b>170841</b>	<b>194720</b>	<b>231183</b>
20'	5696	6101	8071	20960	25437	33130	98019	110268	130935
40'	3000	2911	3324	5059	6087	7000	36411	42226	50124
Stuffed	8682	6952	8672	20906	20918	26432	110074	114033	129937
20'	4346	3256	3734	14136	14652	18070	39796	38471	40561
40'	2168	1848	2469	3385	3133	4181	35139	37781	44688
Empty	3014	4971	6047	10172	16693	20698	60767	80687	101246
20'	1350	2845	4337	6824	10785	15060	58223	71797	90374
40'	832	1063	855	1674	2954	2819	1272	4445	5436
<b>TRANSHIP-MENT</b>	-	-	-	-	-	-	<b>17007</b>	<b>21039</b>	<b>31498</b>
20'	-	-	-	-	-	-	14609	9611	23314
40'	-	-	-	-	-	-	1199	5714	4092
Stuffed	-	-	-	-	-	-	12689	20060	30871
20'	-	-	-	-	-	-	10451	9238	22941
40'	-	-	-	-	-	-	1119	5411	3965
Empty	-	-	-	-	-	-	4318	979	627
20'	-	-	-	-	-	-	4158	373	373
40'	-	-	-	-	-	-	80	303	127
<b>TOTAL</b>	<b>22347</b>	<b>25539</b>	<b>29632</b>	<b>62808</b>	<b>75709</b>	<b>94929</b>	<b>366376</b>	<b>419550</b>	<b>491087</b>
20'	10417	13179	15678	42288	51143	66821	218022	236672	283037
40'	5965	6180	6977	10260	12283	14054	74177	91439	104025
Stuffed	16055	17290	19552	44357	51901	62939	275236	305825	354006
20'	8845	10112	11064	31303	37245	45611	152526	159875	188360
40'	3605	3589	4244	6527	7328	8664	61355	72975	82823
Empty	6292	8249	10080	18451	23808	31990	91140	113725	137081
20'	1572	3067	4614	10985	13898	21210	65496	76797	94677
40'	2360	2591	2733	3733	4955	5390	12822	18464	21202

\*\* includes reefers

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

**Container Traffic Handled at Major Ports - Type-Wise -  
2014-15,2015-16& 2016-17**

(Nos.)

Type	V.O.CHIDAMBANAR**			CHENNAI**			VISAKHAPATNAM**		
	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10
<b>IMPORT</b>	<b>288503</b>	<b>310189</b>	<b>316059</b>	<b>807820</b>	<b>834219</b>	<b>839549</b>	<b>118959</b>	<b>105206</b>	<b>164832</b>
20'	108637	111421	112019	370422	369515	369013	76521	81082	111334
40'	89933	99384	102020	218699	232352	235268	21219	12062	26749
Stuffed	224957	249102	262254	753264	780424	800779	92108	80808	110209
20'	101065	104960	106986	347144	347036	347763	64082	65820	78995
40'	61946	72071	77634	203060	216694	226508	14013	7494	15607
Empty	63546	61087	53805	54556	53795	38770	26851	24398	54623
20'	7572	6461	5033	23278	22479	21250	12439	15262	32339
40'	27987	27313	24386	15639	15658	8760	7206	4568	11142
<b>EXPORT</b>	<b>271224</b>	<b>301525</b>	<b>323618</b>	<b>743728</b>	<b>730911</b>	<b>655282</b>	<b>118094</b>	<b>108981</b>	<b>169106</b>
20'	102922	107679	112564	344840	328155	284284	73108	82887	114676
40'	84151	96923	105527	199444	201378	185499	22493	13047	27215
Stuffed	248479	270020	284873	625031	563044	441932	100505	95734	149620
20'	90077	89824	88713	277471	229598	183906	70579	76994	110998
40'	79201	90098	98080	173780	166723	129013	14963	9370	19311
Empty	22745	31505	38745	118697	167867	213350	17589	13247	19486
20'	12845	17855	23851	67369	98557	100378	2529	5893	3678
40'	4950	6825	7447	25664	34655	56486	7530	3677	7904
<b>TRANSHIP-MENT</b>	-	-	<b>3012</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11110</b>	<b>30736</b>	<b>33261</b>
20'	-	-	2532	0	0	0	7114	29340	28075
40'	-	-	240	-	-	-	1998	698	2593
Stuffed	-	-	622	0	0	0	10984	23858	23213
20'	-	-	602	-	-	-	6988	22906	20281
40'	-	-	10	-	-	-	1998	476	1466
Empty	-	-	2390	0	0	0	126	6878	10048
20'	-	-	1930	-	-	-	126	6434	7794
40'	-	-	230	-	-	-	0	222	1127
<b>TOTAL</b>	<b>559727</b>	<b>611714</b>	<b>642689</b>	<b>1551548</b>	<b>1565130</b>	<b>1494831</b>	<b>248163</b>	<b>244923</b>	<b>367199</b>
20'	211559	219100	227115	715262	697670	653297	156743	193309	254085
40'	174084	196307	207787	418143	433730	420767	45710	25807	56557
Stuffed	473436	519122	547749	1378295	1343468	1242711	203597	200400	283042
20'	191142	194784	196301	624615	576634	531669	141649	165720	210274
40'	141147	162169	175724	376840	383417	355521	30974	17340	36384
Empty	86291	92592	94940	173253	221662	252120	44566	44523	84157
20'	20417	24316	30814	90647	121036	121628	15094	27589	43811
40'	32937	34138	32063	41303	50313	65246	14736	8467	20173

\*\* includes reefers

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

**Container Traffic Handled at Major Ports - Type-Wise -  
2014-15, 2015-16 & 2016-17**

(Nos.)

Type	PARADIP			HALDIA			KOLKATA**		
	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10
<b>IMPORT</b>	<b>1939</b>	<b>2474</b>	<b>837</b>	<b>50713</b>	<b>43087</b>	<b>58417</b>	<b>269472</b>	<b>297791</b>	<b>327474</b>
20'	1879	2474	837	28521	18983	35175	162466	177819	182190
40'	30	0	0	11096	12052	11621	53503	59986	72642
Stuffed	468	2474	423	50402	41064	50409	257445	283588	314090
20'	468	2474	423	28226	16992	27181	157147	170546	176922
40'	0	0	0	11088	12036	11614	50149	56521	68584
Empty	1471	0	414	311	2023	8008	12027	14203	13384
20'	1411	0	414	295	1991	7994	5319	7273	5268
40'	30	0	0	8	16	7	3354	3465	4058
<b>EXPORT</b>	<b>2373</b>	<b>2499</b>	<b>1076</b>	<b>51215</b>	<b>42055</b>	<b>77411</b>	<b>258694</b>	<b>279958</b>	<b>308374</b>
20'	2291	2499	1076	33191	22661	45617	149666	164432	171102
40'	41	0	0	9012	9697	15897	54514	57763	68636
Stuffed	2333	2509	1076	25726	21512	42406	187759	218460	219338
20'	2291	2499	1076	23608	18550	37088	112863	134712	140004
40'	21	5	0	1059	1481	2659	37448	41874	39667
Empty	40	0	0	25489	20543	35005	70935	61498	89036
20'	0	0	0	9583	4111	8529	36803	29720	31098
40'	20	0	0	7953	8216	13238	17066	15889	28969
<b>TRANSHIP-MENT</b>	-	-	-	-	-	-	-	-	-
20'	-	-	-	-	-	-	-	-	-
40'	-	-	-	-	-	-	-	-	-
Stuffed	-	-	-	-	-	-	-	-	-
20'	-	-	-	-	-	-	-	-	-
40'	0	0	0	0	0	0	0	0	0
Empty	-	-	-	-	-	-	-	-	-
20'	-	-	-	-	-	-	-	-	-
40'	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>4312</b>	<b>4983</b>	<b>1913</b>	<b>101928</b>	<b>85142</b>	<b>135828</b>	<b>528166</b>	<b>577749</b>	<b>635848</b>
20'	4170	4973	1913	61712	41644	80792	312132	342251	353292
40'	71	5	0	20108	21749	27518	108017	117749	141278
Stuffed	2801	4983	1499	76128	62576	92815	445204	502048	533428
20'	2759	4973	1499	51834	35542	64269	270010	305258	316926
40'	21	5	0	12147	13517	14273	87597	98395	108251
Empty	1511	0	414	25800	22566	43013	82962	75701	102420
20'	1411	0	414	9878	6102	16523	42122	36993	36366
40'	50	0	0	7961	8232	13245	20420	19354	33027

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 -**  
**2014-15, 2015-16 & 2016-17**

(Nos.)

Type	ALL PORTS		
	2014-15	2015-16	2016-17
1	2	3	4
<b>IMPORT</b>	<b>3924941</b>	<b>4154558</b>	<b>4240138</b>
20'	1911039	1908554	1852774
40'	1006951	1123002	1193682
Stuffed	3490454	3643478	3535556
20'	1757868	1786376	1535058
40'	866293	928551	1000249
Empty	567395	511080	704582
20'	153171	122178	317716
40'	207112	194451	193433
<b>EXPORT</b>	<b>3813887</b>	<b>3882523</b>	<b>4081974</b>
20'	1744129	1762757	1826154
40'	1034879	1059883	1127910
Stuffed	3139623	3100097	3268863
20'	1375535	1310189	1511119
40'	882044	894954	878872
Empty	674264	782426	813111
20'	368594	452568	315035
40'	152835	164929	249038
<b>TRANSHIP-MENT</b>	<b>85813</b>	<b>110912</b>	<b>120037</b>
20'	37285	57555	65439
40'	24264	26678.5	27299
Stuffed	77305	94794	97978
20'	31301	46421	54496
40'	23002	24186.5	21741
Empty	8508	16118	22059
20'	5984	11134	10943
40'	1262	2492	5558
<b>TOTAL</b>	<b>7959716</b>	<b>8147993</b>	<b>8442149</b>
20'	3693840	3728866	3744367
40'	2132938	2209564	2348891
Stuffed	6707382	6838369	6902397
20'	3164704	3142986	3100673
40'	1771339	1847692	1900862
Empty	1252334	1309624	1539752
20'	529136	585880	643694
40'	361599	361872	448029

Table 2.1.6

**Commodity-Wise Break-Up of Container and General Cargo and Level  
of Containerisation at Major Ports -Port-wise 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>ALL PORTS</b>										
<b>LOADED</b>										
1. Textiles(Cotton,Silk,Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
2. Metal & Metal products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Tea & Coffee	144	0	144	0	0.25	0.00	0.22	0.00	100.00	-
4. Foodgrain (Cereals and Pulses)	1	0	1	0	0.00	0.00	0.00	0.00	100.00	-
5. Marine products	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
6. Fodder	43	0	43	0	0.07	0.00	0.07	0.00	100.00	-
7. Fruits & Vegetables.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	-
8. Spices	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
9. Hosiery, Harberdasherry and Millinary.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
10. Machinery,Instruments Transport equipments.	2	0	14	0	0.00	0.00	0.02	0.00	14.29	-
11.Drugs and Medicines.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	-
12.Dyes and Colours.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
13.Oil seeds,fats etc.	23	0	23	0	0.04	0.00	0.03	0.00	100.00	-
14.Chemicals	16	0	20	4	0.03	0.00	0.03	0.01	80.00	0.00
15.Dry Fruits	12	0	12	0	0.02	0.00	0.02	0.00	100.00	-
16.Jute & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
17.Leaner & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
18.Others	34174	35001	40728	43265	58.90	60.18	61.83	63.00	83.91	80.90
19.All Commodities	48619	48756	56670	59460	83.80	83.82	86.03	86.58	85.79	82.00
20.Tare Weight(a)	9130	9138	9130	9138	15.74	15.71	13.86	13.31	100.00	100.00
21.Transhipment incl. Tare Wt.(b)	4486	5465	6598	7481	7.73	9.40	10.02	10.89	67.99	73.05
<b>Grand Total*</b>	<b>58017</b>	<b>58165</b>	<b>65876</b>	<b>68677</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>88.07</b>	<b>84.69</b>

\* Excluding Kamarajar

Table 2.1.6

**Commodity-Wise Break-Up of Container and General Cargo and Level  
of Containerisation at Major Ports - Port-wise - 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo							
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11
<b>ALL PORTS</b>										
<b>UNLOADED</b>										
1. Iron & Steel	0	0	0	681	0.00	0.00	0.00	0.74	-	-
2. Metal & Metal Products.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	-	-
4. Paper, Newsprints etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
5. Plastic & its products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
6. Machinery/Instrument and Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
7. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
8. Hair and wool	0	0	0	0	0.00	0.00	0.00	0.00	-	-
9. Rubber and its products.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
10.Oil, fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
11.Woodpulp.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
12. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
13.Fertiliser & FRM	0	0	0	0	0.00	0.00	0.00	0.00	-	-
14.Industrial Alcohol & Spirits (Non-potable)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
15.Drugs & Medicines	0	0	0	0	0.00	0.00	0.00	0.00	-	-
16.Timber & Log	0	0	0	0	0.00	0.00	0.00	0.00	-	-
17.Others	42233	42927	61202	62959	64.82	64.55	67.87	68.75	69.01	68.18
18.All Commodities	55810	56610	80835	81650	85.66	85.13	89.64	89.16	69.04	69.33
19.Tare Weight (a)	9264	9802	9264	9802	14.22	14.74	10.27	10.70	100.00	100.00
20.Transshipment incl.Tare Wt.(b)	77	123	77	123	0.12	0.18	0.09	0.13	100.00	100.00
<b>Grand Total*</b>	<b>65151</b>	<b>66497</b>	<b>90176</b>	<b>91575</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>72.25</b>	<b>72.61</b>

\* excluding Kamarajar

Source: Major Ports

Table

**Commodity-Wise Break-Up of Container and General Cargo and Level of Containerisation at Major Ports -Port-wise 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT: KOLKATA DOCK SYSTEM</b>										
<b>LOADED</b>										
1. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
2. Metal & Metal products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Tea & Coffee	0	0	0	0	0.00	0.00	0.00	0.00	-	-
4. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
5. Marine products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
6. Fodder	0	0	0	0	0.00	0.00	0.00	0.00	-	-
7. Fruits & Vegetables.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
8. Spices	0	0	0	0	0.00	0.00	0.00	0.00	-	-
9. Hossiery, Harberdasherry and Millinary.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
10. Machinery,Instruments Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
11.Drugs and Medicines.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
12.Dyes and Colours.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
13.Oil seeds,fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
14.Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	-	-
15.Dry Fruits	0	0	0	0	0.00	0.00	0.00	0.00	-	-
16.Jute & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
17.Leaner & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
18.Others	3723	3843	5055	3940	86.14	85.48	89.41	85.78	73.65	97.54
a).Iron & Steel	0	0	0	0	0.00	0.00	0.00	0.00	-	-
b).Cast Iron Goods	0	0	0	0	0.00	0.00	0.00	0.00	-	-
c). Miscellaneous	3723	3843	5055	3940	86.14	85.48	89.41	85.78	73.65	97.54
19. All Commodities	3723	3843	5055	3940	86.14	85.48	89.41	85.78	73.65	97.54
20. Tare Weight	599	653	599	653	13.86	14.52	10.59	14.22	100.00	100.00
21 . Transhipment incl.tare wt.	0	0	0	0	-	-	-	-	-	-
<b>Grand Total</b>	<b>4322</b>	<b>4496</b>	<b>5654</b>	<b>4593</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>76.44</b>	<b>97.89</b>

Note : Kolkata Port commodity-wise break up of Container Cargo for 2015-16 2016-17are not available.

Table 2.1.7

**Commodity-Wise Break-Up of Container and General Cargo and Level of Containerisation at Major Ports - Port-wise - 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT: KOLKATA DOCK SYSTEM</b>										
<b>UNLOADED</b>										
1. Iron & Steel	0	0	0	681	0.00	0.00	0.00	9.94	-	0.00
2. Metal & Metal Products.	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
3. Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
4. Paper, Newsprints etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
5. Plastic & its products	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
6. Machinery/Instrument and Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
7. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
8. Hair and wool	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
9. Rubber and its products.	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
10.Oil, fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
11.Woodpulp.	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
12. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
13.Fertiliser & FRM	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
14.Industrial Alcohol & Spirits (Non-potable)	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
15.Drugs & Medicines	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
16.Timber & Log	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
17.Others	4281	4706	5325	5486	79.41	87.29	77.71	80.06	80.39	85.78
a) Electric Goods	0	0	0	0	0.00	0.00	0.00	0.00	-	-
b) Metal Strap	0	0	0	0	0.00	0.00	0.00	0.00	-	-
c) Miscellaneous	4281	4706	5325	5486	79.41	87.29	77.71	80.06	80.39	85.78
18. All Commodities	4281	4706	5325	6167	79.41	87.29	77.71	90.00	80.39	76.31
19. Tare Weight(a)	660	685	660	685	12.24	12.71	9.63	10.00	100.00	100.00
20 .Transshipment incl. tare wt.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
<b>Grand Total</b>	<b>4941</b>	<b>5391</b>	<b>5985</b>	<b>6852</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>82.56</b>	<b>78.68</b>

Note : Kolkata port commodity-wise break up of Container Cargo for 2015-16 & 2016-17 are not available.

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level  
of Containerisation at Major Ports -Port-wise 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo							
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11
<b>PORT:HALDIA DOCK COMPLEX</b>										
<b>LOADED</b>										
1. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
2. Metal & Metal products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Tea & Coffee	0	0	0	0	0.00	0.00	0.00	0.00	-	-
4. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
5. Marine products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
6. Fodder	0	0	0	0	0.00	0.00	0.00	0.00	-	-
7. Fruits & Vegetables.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
8. Spices	0	0	0	0	0.00	0.00	0.00	0.00	-	-
9. Hosiery, Harberdasherry and Millinary.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
10. Machinery,Instruments Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
11.Drugs and Medicines.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
12.Dyes and Colours.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
13.Oil seeds,fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
14.Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	-	-
15.Dry Fruits	0	0	0	0	0.00	0.00	0.00	0.00	-	-
16.Jute & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
17.Leaner & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
18.Others	514	1072	605	1623	41.65	86.87	33.89	90.92	84.96	66.05
a) Iron Goods	0	0	0	0	0.00	0.00	0.00	0.00	-	-
b) Iron & Steel	0	0	0	0	0.00	0.00	0.00	0.00	-	-
c). Miscelleneous	514	1072	605	1623	41.65	86.87	33.89	90.92	84.96	66.05
19. All Commodities	514	1072	605	1623	41.65	86.87	33.89	90.92	84.96	66.05
20. Tare Weight	87	162	87	162	7.05	13.13	4.87	9.08	100.00	100.00
21. Transhipment incl. tare wt.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
<b>Grand Total</b>	<b>601</b>	<b>1234</b>	<b>692</b>	<b>1785</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>86.85</b>	<b>69.13</b>

Note : For Haldia Dock Complex commodity-wise break up of Container Cargo for 2015-16 2016-17are not available.

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level  
of Containerisation at Major Ports - Port-wise - 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo						2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11
<b>PORT:HALDIA DOCK COMPLEX</b>										
<b>UNLOADED</b>										
1. Iron & Steel	0	0	0	0	0.00	0.00	0.00	0.00	0.00	-
2. Metal & Metal Products.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	0.00	-
4. Paper, Newsprints etc.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	-
5. Plastic & its products	0	0	0	0	0.00	0.00	0.00	0.00	0.00	-
6. Machinery/Instrument and Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	-
7. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
8. Hair and wool	0	0	0	0	0.00	0.00	0.00	0.00	-	-
9. Rubber and its products.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
10.Oil, fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
11.Woodpulp.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
12. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
13.Fertiliser & FRM	0	0	0	0	0.00	0.00	0.00	0.00	-	-
14.Industrial Alcohol & Spirits (Non-potable)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
15.Drugs & Medicines	0	0	0	0	0.00	0.00	0.00	0.00	-	-
16.Timber & Log			0	0	0.00	0.00	0.00	0.00	-	-
17.Others	687	1110	1454	1453	55.72	90.02	92.26	92.20	47.25	76.39
a) Soda Ash	0	0	0	0	0.00	0.00	0.00	0.00	-	-
b) Waste Paper	0	0	0	0	0.00	0.00	0.00	0.00	-	-
c) Miscellaneous	687	1110	1454	1453	55.72	90.02	92.26	92.20	47.25	76.39
18. All Commodities	687	1110	1454	1453	55.72	90.02	92.26	92.20	47.25	76.39
19. Tare Weight	88	123	88	123	7.14	9.98	5.58	7.80	100.00	100.00
20. Transshipment incl tare wt.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
<b>Grand Total</b>	<b>775</b>	<b>1233</b>	<b>1542</b>	<b>1576</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>50.26</b>	<b>78.24</b>

Note : For Haldia Dock Complex commodity-wise break up of Container Cargo for 2015-16 & 2016-17 are not available.

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level of Containerisation at Major Ports -Port-wise 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : PARADIP</b>										
<b>LOADED</b>										
1. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
2. Metal & Metal products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Tea & Coffee	0	0	0	0	0.00	0.00	0.00	0.00	-	-
4. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
5. Marine products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
6. Fodder	0	0	0	0	0.00	0.00	0.00	0.00	-	-
7. Fruits & Vegetables.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
8. Spices	0	0	0	0	0.00	0.00	0.00	0.00	-	-
9. Hosiery, Harberdasherry and Millinary.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
10. Machinery,Instruments Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
11.Drugs and Medicines.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
12.Dyes and Colours.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
13.Oil seeds,fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
14.Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	-	-
15.Dry Fruits	0	0	0	0	0.00	0.00	0.00	0.00	-	-
16.Jute & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
17.Leaner & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
18.Others	62	26	63	746	221.43	92.86	8.42	99.73	98.41	3.49
a).Iron & Steel	0	0	0	0	0.00	0.00	0.00	0.00	-	-
b).Al.Ingot	0	0	0	0	0.00	0.00	0.00	0.00	-	-
c). Miscellaneous	62	26	63	746	221.43	92.86	8.42	99.73	98.41	3.49
19. All Commodities	62	26	63	746	221.43	92.86	8.42	99.73	98.41	3.49
20. Tare Weight	0	2	0	2	0.00	7.14	0.00	0.27	#DIV/0!	-
21. Transhipment incl tare wt.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
<b>Grand Total</b>	<b>62</b>	<b>28</b>	<b>63</b>	<b>748</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>98.41</b>	<b>3.74</b>

Note : For Paradip port commodity-wise break up of Container Cargo for 2015-16 & 2016-17 are not available.



**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level  
of Containerisation at Major Ports - Port-wise - 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : PARADIP</b>										
<b>UNLOADED</b>										
1. Iron & Steel	0	0	0	0	0.00	0.00	0.00	0.00	-	-
2. Metal & Metal Products.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	-	-
4. Paper, Newsprints etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
5. Plastic & its products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
6. Machinery/Instrument and Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
7. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
8. Hair and wool	0	0	0	0	0.00	0.00	0.00	0.00	-	-
9. Rubber and its products.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
10.Oil, fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
11.Woodpulp.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
12. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
13.Fertiliser & FRM	0	0	0	0	0.00	0.00	0.00	0.00	-	-
14.Industrial Alcohol & Spirits (Non-potable)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
15. Drugs & Medicines	0	0	0	0	0.00	0.00	0.00	0.00	-	-
16.Timber & Log	0	0	0	0	0.00	0.00	0.00	0.00	-	-
17.Others	70	12	195	119	2.54	0.97	161.16	98.35	35.90	10.08
a)Care Cargo	0	0	0	0	0.00	0.00	0.00	0.00	-	-
b) Edible Oil	0	0	0	0	0.00	0.00	0.00	0.00	-	-
c) Miscellaneous	70	12	195	119	2.54	0.97	161.16	98.35	35.90	10.08
18. All Commodities	70	12	195	119	2.54	0.97	161.16	98.35	35.90	10.08
19. Tare Weight	0	2	0	2	0.00	0.16	0.00	1.65	0.00	-
20. Transhipment incl.tare wt.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
<b>Grand Total</b>	<b>70</b>	<b>14</b>	<b>195</b>	<b>121</b>	<b>2.54</b>	<b>1.14</b>	<b>100.00</b>	<b>100.00</b>	<b>35.90</b>	<b>11.57</b>

Note : For Paradip port commodity-wise break up of Container Cargo for 2015-16 & 2016-17 are not available.

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level  
of Containerisation at Major Ports -Port-wise 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT:VISAKHAPATNAM</b>										
<b>LOADED</b>										
1. Textiles(Cotton,Silk,Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
2. Metal & Metal products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Tea & Coffee	0	0	0	0	0.00	0.00	0.00	0.00	-	-
4. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
5. Marine products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
6. Fodder	0	0	0	0	0.00	0.00	0.00	0.00	-	-
7. Fruits & Vegetables.	0	0	0	0	0.00	0.00	0.00	0.00	-	...
8. Spices	0	0	0	0	0.00	0.00	0.00	0.00	-	...
9. Hosiery, Harberdasherry and Millinary.	0	0	0	0	0.00	0.00	0.00	0.00	-	...
10. Machinery,Instruments Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	-	...
11.Drugs and Medicines.	0	0	0	0	0.00	0.00	0.00	0.00	-	...
12.Dyes and Colours.	0	0	0	0	0.00	0.00	0.00	0.00	-	...
13.Oil seeds,fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	...
14.Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	-	...
15.Dry Fruits	0	0	0	0	0.00	0.00	0.00	0.00	...	...
16.Jute & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	...
17.Leaner & its Products	0	0	0	0	0.00	0.00	0.00	0.00	...	...
18.Others	2500	3288	3041	4119	55.58	73.10	67.61	91.57	82.21	79.83
a) Iron & Steel	0	0	0	0	0.00	0.00	73.10	0.00	-	...
b) Cement	0	0	0	0	0.00	0.00	0.00	0.00	...	...
c) Sugar	0	0	0	0	0.00	0.00	0.00	0.00	...	...
d) Granite	0	0	0	0	0.00	0.00	0.00	0.00	-	...
e) Miscellaneous	2500	3288	3041	4119	55.58	73.10	67.61	91.57	82.21	79.83
19. All Commodities	2500	3288	3041	4119	68.18	89.66	67.61	91.57	82.21	79.83
20. Tare Weight	278	379	278	379	7.58	10.34	6.18	8.43	100.00	100.00
21. Transshipment incl.tare wt.	0	38	0	38	0.00	1.04	0.00	0.84	-	0.00
<b>Grand Total</b>	<b>2778</b>	<b>3667</b>	<b>3319</b>	<b>4498</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>83.70</b>	<b>81.53</b>

Note : For Visakhapatnam port commodity-wise break up of Container Cargo for 2015-16 2016-17are not available.

**Table 2.1.7  
(Contd...)**
**Commodity-Wise Break-Up of Container and General Cargo and Level  
of Containerisation at Major Ports - Port-wise - 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo							
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : VISAKHAPATNAM</b>										
<b>UNLOADED</b>										
1. Iron & Steel	0	0	0	0	0	0	0.00	0.00	0.00	0.00
2. Metal & Metal Products.	0	0	0	0	0	0	0.00	0.00	0.00	0.00
3. Chemicals	0	0	0	0	0	0	0.00	0.00	0.00	0.00
4. Paper, Newsprints etc.	0	0	0	0	0	0	0.00	0.00	0.00	0.00
5. Plastic & its products	0	0	0	0	0	0	0.00	0.00	0.00	0.00
6. Machinery/Instrument and Transport equipments.	0	0	0	0	0	0	0.00	0.00	0.00	0.00
7. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0	0	0.00	0.00	0.00	0.00
8. Hair and wool	0	0	0	0	0	0	0.00	0.00	0.00	0.00
9. Rubber and its products.	0	0	0	0	0	0	0.00	0.00	0.00	0.00
10.Oil, fats etc.	0	0	0	0	0	0	0.00	0.00	0.00	0.00
11.Woodpulp.	0	0	0	0	0	0	0.00	0.00	0.00	0.00
12. Foodgrain (Cereals and Pulses)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
13.Fertiliser & FRM	0	0	0	0	0	0	0.00	0.00	0.00	0.00
14.Industrial Alcohol & Spirits (Non-potable)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
15.Drugs & Medicines	0	0	0	0	0	0	0.00	0.00	0.00	0.00
16.Timber & Log	0	0	0	0	0	0	0.00	0.00	0.00	0.00
17.Others	2124	2390	2447	2731	77	87	77.93	86.97	2.45	2.76
a) Carbon Materials	5	5	0	0	5	5	0.00	0.00	5	5
b) Miscellaneous	2124	2390	2447	2731	76.93	86.56	77.93	86.97	86.80	87.51
19. All Commodities	2124	2390	2447	2731	76.93	86.56	77.93	86.97	86.80	87.51
20. Tare Weight	243	371	243	371	8.80	13.44	7.74	11.82	100.00	100.00
21. Transhipment incl. tare wt.	0	38	0	38	0.00	1.38	0.00	1.21	0.00	-
<b>Grand Total</b>	<b>2367</b>	<b>2761</b>	<b>2690</b>	<b>3140</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>87.99</b>	<b>87.93</b>

Note : For Visakhapatnam port commodity-wise break up of Container Cargo for 2015-16 are not available.

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level**

**of Containerisation at Major Ports -Port-wise 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo							
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : CHENNAI</b>										
<b>LOADED</b>										
1. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0	0	0	0	0	0
2. Metal & Metal products	0	0	0	0	0	0	0	0	0	0
3. Tea & Coffee	0	0	0	0	0	0	0	0	0	0
4. Foodgrain (Cereals and Pulses)	0	0	0	0	0	0	0	0	0	0
5. Marine products	0	0	0	0	0	0	0	0	0	0
6. Fodder	0	0	0	0	0	0	0	0	0	0
7. Fruits & Vegetables.	0	0	0	0	0	0	0	0	0	0
8. Spices	0	0	0	0	0	0	0	0	0	0
9. Hosiery, Harberdasherry and Millinary.	0	0	0	0	0	0	0	0	0	0
10. Machinery,Instruments Transport equipments.	0	0	0	0	0	0	0	0	0	0
11.Drugs and Medicines.	0	0	0	0	0	0	0	0	0	0
12.Dyes and Colours.	0	0	0	0	0	0	0	0	0	0
13.Oil seeds,fats etc.	0	0	0	0	0	0	0	0	0	0
14.Chemicals	0	0	0	0	0	0	0	0	0	0
15.Dry Fruits	0	0	0	0	0	0	0	0	0	0
16.Jute & its Products	0	0	0	0	0	0	0	0	0	0
17.Leather & its Products	0	0	0	0	0	0	0	0	0	0
18.Others	2211	1988	2211	1988	0	0	0	0	0	0
a). Minerals	0	0	0	0	0	0	0	0	0	0
b).Granite	0	0	0	0	0	0	0	0	0	0
c).Iron & Steel	0	0	0	0	0	0	0	0	0	0
d).Miscellaneous	2211	1988	2211	1988	0	0	0	0	0	0
19. All Commodities	11704	10467	12644	12072	92.54	82.76	89.93	85.86	0.66	0.59
20. Tare Weight	2211	1988	2211	1988	17.48	15.72	15.73	14.14	0.12	0.11
21. Transhipment incl. tare wt.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
<b>Grand Total</b>	<b>14107</b>	<b>12647</b>	<b>14855</b>	<b>14060</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>94.96</b>	<b>89.95</b>

Note: For Chennai port commodity-wise break up of Container and General Cargo for 2015-16 & 2016-17are not available.

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level of Containerisation at Major Ports - Port-wise - 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo							
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : CHENNAI</b>										
<b>UNLOADED</b>										
1. Iron & Steel	0	0	0	0	0	0	0	0	0	0
2. Metal & Metal Products.	0	0	0	0	0	0	0	0	0	0
3. Chemicals	0	0	0	0	0	0	0	0	0	0
4. Paper, Newsprints etc.	0	0	0	0	0	0	0	0	0	0
5. Plastic & its products	0	0	0	0	0	0	0	0	0	0
6. Machinery/Instrument and Transport equipments.	0	0	0	0	0	0	0	0	0	0
7. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0	0	0	0	0	0
8. Hair and wool	0	0	0	0	0	0	0	0	0	0
9. Rubber and its products.	0	0	0	0	0	0	0	0	0	0
10.Oil, fats etc.	0	0	0	0	0	0	0	0	0	0
11.Woodpulp.	0	0	0	0	0	0	0	0	0	0
12. Foodgrain (Cereals and Pulses)	0	0	0	0	0	0	0	0	0	0
13.Fertiliser & FRM	0	0	0	0	0	0	0	0	0	0
14.Industrial Alcohol & Spirits (Non-potable)	0	0	0	0	0	0	0	0	0	0
15.Drugs & Medicines	0	0	0	0	0	0	0	0	0	0
16.Timber & Log	0	0	0	0	0	0	0	0	0	0
17.Others	0	0	0	0	0	0.00	0.00	0.00	0	0
a) Non ferrous Metals	0	0	0	0	0	0	0	0	0	0
b). Waste Paper	0	0	0	0	0	0	0	0	0	0
c) Hides & Shines	0	0	0	0	0	0	0	0	0	0
d) Miscellaneous	0	0	0	0	0	0.00	0.00	0.00	0	0
18. All Commodities	13574	13659	14922	14521	83.77	84.30	87.44	85.09	90.97	94.06
19. Tare Weight	2526	2544	2526	2544	15.59	15.70	14.80	14.91	100.00	100.00
20. Transhipment incl. tare wt.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
<b>Grand Total</b>	<b>16100</b>	<b>16203</b>	<b>17448</b>	<b>17065</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>92.27</b>	<b>94.95</b>

Note: For Chennai port commodity-wise break up of Container and General Cargo for 2015-16 & 2016-17 are not available.

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level  
of Containerisation at Major Ports -Port-wise 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : V.O. CHIDAMBARANAR</b>										
<b>LOADED</b>										
1. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0	0	0.00	0.00	0	0
2. Metal & Metal products	0	0	0	0	0	0	0.00	0.00	0	0
3. Tea & Coffee	0	0	0	0	0	0	0.00	0.00	0	0
4. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	0	0.00
5. Marine products	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
6. Fodder	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
7. Fruits & Vegetables.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
8. Spices	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
9. Hosiery, Harberdasherry and Millinary.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
10. Machinery,Instruments Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
11.Drugs and Medicines.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
12.Dyes and Colours.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
13.Oil seeds,fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
14.Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	-	-
15.Dry Fruits	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
16.Jute & its Products	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
17.Leaner & its Products	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
18.Others	6603	7193	8129	9171	67.30	73.31	82.85	93.47	81.23	78.43
a) Iron & Steel			0	0	0.00	0.00	0.00	0.00	-	-
b) Sugar			0	0	0.00	0.00	0.00	0.00	-	-
c) Granite			0	0	0.00	0.00	0.00	0.00	-	-
19. All Commodities	6603	7193	8129	9171	84.29	91.82	82.85	93.47	81.23	78.43
20. Tare Weight	606	641	606	641	7.74	8.18	6.18	6.53	100.00	100.00
21. Transshipment incl. tare wt.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Grand Total</b>	<b>7209</b>	<b>7834</b>	<b>8735</b>	<b>9812</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>82.53</b>	<b>79.84</b>

Note : For Chidambaranar port commodity-wise break up of Container Cargo for 2015-16 & 2016-17 not available.

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level  
of Containerisation at Major Ports - Port-wise - 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo							
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : V.O. CHIDAMBARANAR</b>										
<b>UNLOADED</b>										
1. Iron & Steel	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
2. Metal & Metal Products.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
3. Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
4. Paper, Newsprints etc.	0	0	0	0	0.00	0.00	0.00	0.00	0	0
5. Plastic & its products	0	0	0	0	0.00	0.00	0.00	0.00	0	0
6. Machinery/Instrument and Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
7. Textiles(Cotton,Silk,Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	0	0
8. Hair and wool	0	0	0	0	0.00	0.00	0.00	0.00	0	0
9. Rubber and its products.	0	0	0	0	0.00	0.00	0.00	0.00	0	0
10.Oil, fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
11.Woodpulp.	0	0	0	0	0.00	0.00	0.00	0.00	0	0
12. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
13.Fertiliser & FRM	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
14.Industrial Alcohol & Spirits (Non-potable)	0	0	0	0	0.00	0.00	0.00	0.00	0	0
15.Drugs & Medicines	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
16.Timber & Log	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
17.Others	4556	4509	4936	4916	81.88	81.04	88.71	88.35	1.47	1.46
18. All Commodities	4556	4509	4936	4916	88.35	87.43	88.71	88.35	92.30	91.72
19. Tare Weight	623	648	623	648	12.08	12.57	11.20	11.65	100.00	100.00
20. Transhipment incl. tare wt.	0	0	0	0	0.00	0.00	0.00	0.00	0	0
<b>Grand Total</b>	<b>5179</b>	<b>5157</b>	<b>5559</b>	<b>5564</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>93.16</b>	<b>92.69</b>

Note : For Chidambaranar port commodity-wise break up of Container Cargo for 2015-16 & 2016-17 not available.

**Table 2.1.7  
(contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level of Containerisation at Major Ports -Port-wise 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : COCHIN</b>										
<b>LOADED</b>										
1. Textiles(Cotton,Silk,Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
2. Metal & Metal products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Tea & Coffee	0	0	0	0	0.00	0.00	0.00	0.00	-	-
4. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
5. Marine products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
6. Fodder	0	0	0	0	0.00	0.00	0.00	0.00	-	-
7. Fruits & Vegetables.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
8. Spices	0	0	0	0	0.00	0.00	0.00	0.00	-	-
9. Hosiery, Harberdasherry and Millinary.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
10. Machinery,Instruments Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
11.Drugs and Medicines.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
12.Dyes and Colours.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
13.Oil seeds,fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
14.Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	-	-
15.Dry Fruits	0	0	0	0	0.00	0.00	0.00	0.00	-	-
16.Jute & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
17.Leanther & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
18.Others	1379	1672	1381	1674	61.04	74.02	61.08	74.04	99.86	99.88
a) Rubber	0	0	0	0	0.00	0.00	0.00	0.00	-	-
b). Coir Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
c). Iron & Steel	3	3	3	3	0.13	0.13	0.13	0.13	100.00	100.00
d). Mineral Sand	0	0	0	0	0.00	0.00	0.00	0.00	-	-
e). Miscellaneous	1376	1669	1378	1671	60.91	73.88	60.95	73.91	99.85	99.88
f) Granite	0	0	0	0	0.00	0.00	0.00	0.00	-	-
19. All Commodities	1379	1672	1381	1674	61.04	74.02	61.08	74.04	99.86	99.88
20. Tare Weight	464	550	464	550	20.54	24.35	20.52	24.33	100.00	100.00
21 Transhment Incl .Tare Wt.	25	37	25	37	1.11	1.64	1.11	1.64	100.00	100.00
<b>Grand Total</b>	<b>1868</b>	<b>2259</b>	<b>1870</b>	<b>2261</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>99.89</b>	<b>99.91</b>

Note: For Cochin port commodity-wise break up of Container Cargo for 2015-16 & 2016-17 are not available..



**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level of Containerisation at Major Ports - Port-wise - 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : COCHIN</b>										
<b>UNLOADED</b>										
1. Iron & Steel	0	0	0	0	0.00	0.00	0.00	0.00	0.00	-
2. Metal & Metal Products.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	-	-
4. Paper, Newsprints etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
5. Plastic & its products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
6. Machinery/Instrument and Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	-
7. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
8. Hair and wool	0	0	0	0	0.00	0.00	0.00	0.00	-	-
9. Rubber and its products.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
10.Oil, fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
11.Woodpulp.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
12. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
13.Fertiliser & FRM	0	0	0	0	0.00	0.00	0.00	0.00	-	-
14.Industrial Alcohol & Spirits (Non-potable)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
15.Drugs & Medicines	0	0	0	0	0.00	0.00	0.00	0.00	-	-
16.Timber & Log	0	0	0	0	0.00	0.00	0.00	0.00	0.00	-
17.Others	3406	3997	3467	4029	74.35	87.25	75.16	87.34	98.24	99.21
a) Cement	0	0	0	0	0.00	0.00	0.00	0.00	-	-
b) Cashew	0	0	0	0	0.00	0.00	0.00	0.00	-	-
c). Cement Clinker	0	0	0	0	0.00	0.00	0.00	0.00	-	-
d) Miscellaneous	3406	3997	3467	4029	74.35	87.25	75.16	87.34	98.24	99.21
18. All Commodities	3406	3997	3467	4029	74.35	87.25	75.16	87.34	98.24	99.21
19. Tare Weight	486	544	486	544	10.61	11.88	10.54	11.79	100.00	100.00
20 Transhipment incl. Tare Wt.	25	40	25	40	0.55	0.87	0.54	0.87	100.00	100.00
<b>Grand Total</b>	<b>3917</b>	<b>4581</b>	<b>3978</b>	<b>4613</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>98.47</b>	<b>99.31</b>

Note : For Cochin port commodity-wise break up of Container Cargo for 2015-16 & 2016-17 not available.

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level  
of Containerisation at Major Ports -Port-wise 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : NEW MANGALORE</b>										
<b>LOADED</b>										
1. Textiles(Cotton,Silk,Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
2. Metal & Metal products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Tea & Coffee	144	0	144	0	24.87	0.00	20.69	0.00	100.00	-
4. Foodgrain (Cereals and Pulses)	1	0	1	0	0.17	0.00	0.14	0.00	-	-
5. Marine products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
6. Fodder	43	0	43	0	7.43	0.00	6.18	0.00	100.00	-
7. Fruits & Vegetables.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
8. Spices	0	0	0	0	0.00	0.00	0.00	0.00	-	-
9. Hosiery, Harberdasherry and Millinary.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
10. Machinery,Instruments Transport equipments.	2	0	14	0	0.35	0.00	2.01	0.00	14.29	-
11. Drugs and Medicines.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
12. Dyes and Colours.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
13. Oil seeds, fats etc.	23	0	23	0	3.97	0.00	3.30	0.00	100.00	-
14. Chemicals	16	0	16	0	2.76	0.00	2.30	0.00	100.00	-
15. Dry Fruits	12	0	12	0	2.07	0.00	1.72	0.00	100.00	-
16. Jute & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
17. Leather & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
18. Others	139	479	307	596	24.01	82.73	44.11	85.63	45.28	80.37
a) Granite Stones	6	0	17	0	1.04	0.00	2.44	0.00	35.29	-
b) Sugar	0	0	0	0	0.00	0.00	0.00	0.00	-	-
c). Miscellaneous	133	479	290	596	22.97	82.73	41.67	85.63	45.86	80.37
19. All Commodities	380	479	560	596	65.63	82.73	80.46	85.63	67.86	80.37
20. Tare Weight	80	100	80	100	13.82	17.27	11.49	14.37	100.00	100.00
21. Transhipment Incl tare Wt.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
<b>Grand Total</b>	<b>460</b>	<b>579</b>	<b>640</b>	<b>696</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>71.88</b>	<b>83.19</b>

Note: For New Mangalore port commodity-wise break up of Container Cargo for 2016-17 are not available..

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level of Containerisation at Major Ports - Port-wise - 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : NEW MANGALORE</b>										
<b>UNLOADED</b>										
1. Iron & Steel	0	0	0	0	0.00	0.00	0.00	0.00	-	-
2. Metal & Metal Products.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Chemicals	0	0	0	0	1.28	0.00	0.00	0.00	-	-
4. Paper, Newsprints etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
5. Plastic & its products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
6. Machinery/Instrument and Transport equipments.	0	0	0	0	1.71	0.00	0.00	0.00	-	-
7. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
8. Hair and wool	0	0	0	0	0.00	0.00	0.00	0.00	-	-
9. Rubber and its products.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
10.Oil, fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
11.Woodpulp.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
12. Foodgrain (Cereals and Pulses)	0	0	0	0	1.28	0.00	0.00	0.00	-	-
13.Fertiliser & FRM	0	0	0	0	0.00	0.00	0.00	0.00	-	-
14.Industrial Alcohol & Spirits (Non-potable)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
15.Drugs & Medicines	0	0	0	0	0.00	0.00	0.00	0.00	-	-
16.Timber & Log	0	0	0	0	5.98	0.00	0.00	0.00	-	-
17.Others	565	730	654	892	74.79	87.74	65.79	89.74	86.39	81.84
a) Cashew	0	0	0	0	55.56	0.00	0.00	0.00	#DIV/0!	-
b) Cement	0	0	0	0	0.00	0.00	0.00	0.00	-	-
c) Miscellaneous	565	730	654	892	19.23	87.74	65.79	89.74	86.39	81.84
18. All Commodities	565	730	654	892	85.04	87.74	65.79	89.74	86.39	81.84
19. Tare Weight	81	102	81	102	14.96	12.26	8.15	10.26	100.00	100.00
20 . Transhipment incl. tare wt.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
<b>Grand Total</b>	<b>646</b>	<b>832</b>	<b>735</b>	<b>994</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>87.89</b>	<b>83.70</b>

Note : For New Mangalore port commodity-wise break up of Container Cargo for 2015-16 & 2016-17 not available.

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level  
of Containerisation at Major Ports -Port-wise 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : MORMUGAO</b>										
<b>LOADED</b>										
1. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
2. Metal & Metal products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Tea & Coffee	0	0	0	0	0.00	0.00	0.00	0.00	-	-
4. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
5. Marine products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
6. Fodder	0	0	0	0	0.00	0.00	0.00	0.00	-	-
7. Fruits & Vegetables.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
8. Spices	0	0	0	0	0.00	0.00	0.00	0.00	-	-
9. Hosiery, Harberdasherry and Millinary.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
10. Machinery,Instruments Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
11.Drugs and Medicines.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
12.Dyes and Colours.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
13.Oil seeds,fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
14.Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	-	-
15.Dry Fruits	0	0	0	0	0.00	0.00	0.00	0.00	-	-
16.Jute & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
17.Leaner & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
18.Others	108	132	1263	2387	64.29	78.57	52.13	98.51	8.55	5.53
a) Frozen Fish	0	0	0	0	0.00	0.00	0.00	0.00	-	-
b) Alumina	0	0	0	0	0.00	0.00	0.00	0.00	-	-
c) H. R. Coils	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
d). Miscellaneous	108	132	1263	2387	64.29	78.57	52.13	98.51	8.55	5.53
e) Iron & Steel	0	0	63	63	0.00	0.00	37.50	37.50	0.00	0.00
19. All Commodities	108	132	1263	2387	64.29	78.57	52.13	98.51	8.55	5.53
20. Tare Weight	28	36	28	36	16.67	21.43	1.16	1.49	100.00	100.00
21. Transhipment incl. tare wt.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
<b>Grand Total</b>	<b>136</b>	<b>168</b>	<b>1291</b>	<b>2423</b>	<b>80.95</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>10.53</b>	<b>6.93</b>

Note: For Mormugao port commodity-wise break up of Container Cargo for 2015-16 & 2016-17 are not available..

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level of Containerisation at Major Ports - Port-wise - 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : MORMUGAO</b>										
<b>UNLOADED</b>										
1. Iron & Steel	0	0	0	0	0.00	0.00	0.00	0.00	-	-
2. Metal & Metal Products.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
3. Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
4. Paper, Newsprints etc.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
5. Plastic & its products	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
6. Machinery/Instrument and Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
7. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
8. Hair and wool	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
9. Rubber and its products.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
10.Oil, fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
11.Woodpulp.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
12. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
13.Fertiliser & FRM	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
14.Industrial Alcohol & Spirits (Non-potable)	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
15.Drugs & Medicines	0	0	0	0	0.00	0.00	0.00	0.00	-	-
16.Timber & Log	0	0	0	0	0.00	0.00	0.00	0.00	-	-
17.Others	176	199	178	204	75.21	85.04	74.48	85.36	98.88	97.55
a). X Ray film & Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
b). H. R. Steel Plates	0	0	0	0	0.00	0.00	0.00	0.00	-	-
c) Miscellaneous	176	199	178	204	75.21	85.04	74.48	85.36	98.88	97.55
18. All Commodities	176	199	178	204	75.21	85.04	74.48	85.36	98.88	97.55
19. Tare Weight	33	35	33	35	14.10	14.96	13.81	14.64	100.00	100.00
20. Transhipment incl. tare wt.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
<b>Grand Total</b>	<b>209</b>	<b>234</b>	<b>211</b>	<b>239</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>99.05</b>	<b>97.91</b>

Note : For Mormogao port commodity-wise break up of Container Cargo for 2015-16 & 2016-17 not availa

**Table 2.1.7  
(Contd....)**

**Commodity-Wise Break-Up of Container and General Cargo and Level  
of Containerisation at Major Ports -Port-wise 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : J. L. NEHRU</b>										
<b>LOADED</b>										
1. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0	0	0	0	0	0
2. Metal & Metal products	0	0	0	0	0	0	0	0	0	0
3. Tea & Coffee	0	0	0	0	0	0	0	0	0	0
4. Foodgrain (Cereals and Pulses)	0	0	0	0	0	0	0	0	0	0
5. Marine products	0	0	0	0	0	0	0	0	0	0
6. Fodder	0	0	0	0	0	0	0	0	0	0
7. Fruits & Vegetables.	0	0	0	0	0	0	0	0	0	0
8. Spices	0	0	0	0	0	0	0	0	0	0
9. Hosiery, Harberdasherry and Millinary.	0	0	0	0	0	0	0	0	0	0
10. Machinery,Instruments Transport equipments.	0	0	0	0	0	0	0	0	0	0
11. Drugs and Medicines.	0	0	0	0	0	0	0	0	0	0
12. Dyes and Colours.	0	0	0	0	0	0	0	0	0	0
13. Oil seeds, fats etc.	0	0	0	0	0	0	0	0	0	0
14. Chemicals	0	0	0	0	0	0	0	0	0	0
15. Dry Fruits	0	0	0	0	0	0	0	0	0	0
16. Jute & its Products	0	0	0	0	0	0	0	0	0	0
17. Leather & its Products	0	0	0	0	0	0	0	0	0	0
18. Others	21481	20323	21516	20338	85.98	81.35	86.07	81.36	0.34	0.33
19. All Commodities	21481	20323	21516	20338	85.98	81.35	86.07	81.36	99.84	99.93
20. Tare Weight	4777	4618	4777	4618	19.12	18.48	19.11	18.47	100.00	100.00
21. Transhipment incl. tare wt.	51	42	51	42	0.20	0.17	0.20	0.17	100.00	100.00
<b>Grand Total</b>	<b>26309</b>	<b>24983</b>	<b>26344</b>	<b>24998</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>99.87</b>	<b>99.94</b>

Note: For J.L.Nehru port commodity-wise break up of Container Cargo for 2015-16 & 2016-17 are not available..

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level of Containerisation at Major Ports - Port-wise - 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : J. L. NEHRU</b>										
<b>UNLOADED</b>										
1. Iron & Steel	0	0	...	...	0.00	0.00	0	0	0	0
2. Metal & Metal Products.	0	0	...	...	0.00	0.00	0	0	0	0
3. Chemicals	0	0	...	...	0.00	0.00	0.00	0.00	0.00	0.00
4. Paper, Newsprints etc.	0	0	...	...	0.00	0.00	0	0	0	0
5. Plastic & its products	0	0	...	...	0.00	0.00	0	0	0	0
6. Machinery/Instrument and Transport equipments.	0	0	...	...	0.00	0.00	0	0	0	0
7. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	...	...	0.00	0.00	0	0	0	0
8. Hair and wool	0	0	...	...	0.00	0.00	0	0	0	0
9. Rubber and its products.	0	0	...	...	0.00	0.00	0	0	0	0
10.Oil, fats etc.	0	0	...	...	0.00	0.00	0.00	0.00	0.00	0.00
11.Woodpulp.	0	0	...	...	0.00	0.00	...	0.00	0.00	0.00
12. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
13.Fertiliser & FRM	0	0	...	...	0.00	0.00	0	0	0	0
14.Industrial Alcohol & Spirits (Non-potable)	0	0	...	...	0.00	0.00	0	0	0	0
15.Drugs & Medicines	0	0	...	...	0.00	0.00	0	0	0	0
16.Timber & Log	0	0	...	...	0.00	0.00	0	0	0	0
17. Others	25906	24823	25929	24832	87.68	84.01	87.73	84.02	99.91	99.96
18. All Commodities	25906	24823	25929	24832	87.68	84.01	87.73	84.02	99.91	99.96
19. Tare Weight	4524	4681	4524	4681	15.31	15.84	15.31	15.84	100.00	100.00
20. Transhipment incl tare wt.	52	43	52	43	0.18	0.15	0.18	0.15	100.00	100.00
<b>Grand Total</b>	<b>30482</b>	<b>29547</b>	<b>30505</b>	<b>29556</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>99.92</b>	<b>99.97</b>

Note: For J.L.Nehru port commodity-wise break up of Container Cargo for 2015-16 & 2016-17 are not available.

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level of Containerisation at Major Ports -Port-wise 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : DEENDAYAL</b>										
<b>LOADED</b>										
1. Textiles(Cotton,Silk, Synthetic)Yarn etc.	...	...	...	...	...	...	0.00	0.00	...	...
2. Metal & Metal products	...	...	...	...	...	...	0.00	0.00	...	...
3. Tea & Coffee	...	...	...	...	...	...	0.00	0.00	...	...
4. Foodgrain (Cereals and Pulses)	...	...	...	...	...	...	0.00	0.00	...	...
5. Marine products	...	...	...	...	...	...	0.00	0.00	...	...
6. Fodder	...	...	...	...	...	...	0.00	0.00	...	...
7. Fruits & Vegetables.	...	...	...	...	...	...	0.00	0.00	...	...
8. Spices	...	...	...	...	...	...	0.00	0.00	...	...
9. Hosiery, Harberdasherry and Millinary.	...	...	...	...	...	...	0.00	0.00	...	...
10. Machinery,Instruments Transport equipments.	...	...	...	...	...	...	0.00	0.00	...	...
11.Drugs and Medicines.	...	...	...	...	...	...	0.00	0.00	...	...
12.Dyes and Colours.	...	...	...	...	...	...	0.00	0.00	...	...
13.Oil seeds,fats etc.	...	...	...	...	...	...	0.00	0.00	0.00	0.00
14.Chemicals	...	...	...	...	...	...	0.00	0.00	0.00	0.00
15.Dry Fruits	...	...	...	...	...	...	0.00	0.00	...	...
16.Jute & its Products	...	...	...	...	...	...	0.00	0.00	...	...
17.Leaner & its Products	...	...	...	...	...	...	0.00	0.00	...	...
18.Others	53	151	1441	1321	4.01	11.43	109.08	100.00	0.30	0.87
a) Ores	...	...	...	...	...	...	0.00	0.00	...	...
b) Salt	...	...	...	...	...	...	0.00	0.00	...	...
c). Iron & Steel	...	...	...	...	...	...	0.00	0.00	0.00	0.00
d). Miscellaneous	53	151	1441	1321	4.01	11.43	109.08	100.00	0.30	0.87
19. All Commodities	53	151	1441	1321	4.01	11.43	109.08	100.00	3.68	11.43
20. Tare Weight	0	0	0	0	0.00	0.00	0.00	0.00	-	-
21. Transhipment incl. tare wt.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
<b>Grand Total</b>	<b>53</b>	<b>151</b>	<b>1441</b>	<b>1321</b>	<b>4.01</b>	<b>11.43</b>	<b>100.00</b>	<b>100.00</b>	<b>3.68</b>	<b>11.43</b>

Note: For Kandla port commodity-wise break up of Container Cargo and Total General Cargo for 2014-15 & 2015-16 are not available..



**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level of Containerisation at Major Ports - Port-wise - 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo							
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : DEENDAYAL</b>										
<b>UNLOADED</b>										
1. Iron & Steel	...	...	...	...	...	...	0.00	0.00	...	...
2. Metal & Metal Products.	...	...	...	...	...	...	0.00	0.00	...	...
3. Chemicals	...	...	...	...	...	...	0.00	0.00	...	...
4. Paper, Newsprints etc.	...	...	...	...	...	...	0.00	0.00	...	...
5. Plastic & its products	...	...	...	...	...	...	0.00	0.00	...	...
6. Machinery/Instrument and Transport equipments.	...	...	...	...	...	...	0.00	0.00	...	...
7. Textiles(Cotton,Silk, Synthetic)Yarn etc.	...	...	...	...	...	...	0.00	0.00	...	...
8. Hair and wool	...	...	...	...	...	...	0.00	0.00	...	...
9. Rubber and its products.	...	...	...	...	...	...	0.00	0.00	...	...
10.Oil, fats etc.	...	...	...	...	...	...	0.00	0.00	...	...
11.Woodpulp.	...	...	...	...	...	...	0.00	0.00	...	...
12. Foodgrain (Cereals and Pulses)	...	...	...	...	...	...	0.00	0.00	...	...
13.Fertiliser & FRM	...	...	...	...	...	...	0.00	0.00	...	...
14.Industrial Alcohol & Spirits (Non-potable)	...	...	...	...	...	...	0.00	0.00	...	...
15.Drugs & Medicines	...	...	...	...	...	...	0.00	0.00	...	...
16.Timber & Log	...	...	...	...	...	...	0.00	0.00	...	...
17.Others	...	...	...	...	...	...	0.00	0.00	...	...
a). Misleneous	...	...	...	...	...	...	0.00	0.00	...	...
18. All Commodities	3	24	4711	3489	0.09	0.69	135.02	100.00	0.00	0.02
19. Tare Weight	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
20. Transhipment incl.tare wt.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
<b>Grand Total</b>	<b>3</b>	<b>24</b>	<b>4711</b>	<b>3489</b>	<b>0.09</b>	<b>0.51</b>	<b>100.00</b>	<b>100.00</b>	<b>0.06</b>	<b>0.69</b>

Note: For Kandla port commodity-wise break up of Container and General Cargo for 2015-16 & 2016-17 are not available.

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level  
of Containerisation at Major Ports -Port-wise 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : MUMBAI</b>										
<b>LOADED</b>										
1. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
2. Metal & Metal products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Tea & Coffee	0	0	0	0	0.00	0.00	0.00	0.00	-	-
4. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
5. Marine products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
6. Fodder	0	0	0	0	0.00	0.00	0.00	0.00	-	-
7. Fruits & Vegetables.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
8. Spices	0	0	0	0	0.00	0.00	0.00	0.00	-	-
9. Hosiery, Harberdasherry and Millinary.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
10. Machinery,Instruments Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
11. Drugs and Medicines.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
12. Dyes and Colours.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
13. Oil seeds, fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
14. Chemicals	0	0	4	4	0.00	0.00	0.27	0.27	0.00	0.00
15. Dry Fruits	0	0	0	0	0.00	0.00	0.00	0.00	-	-
16. Jute & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
17. Leather & its Products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
18. Others	112	110	968	1469	94.12	92.44	65.32	99.12	11.57	7.49
a) Instrument	0	0	0	0	0.00	0.00	0.00	0.00	-	-
b) Paint etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
c) Iron & Steel	0	0	531	531	0.00	0.00	35.83	35.83	0.00	0.00
d) Sugar	0	0	145	145	0.00	0.00	9.78	9.78	-	0.00
e) Miscellaneous	112	110	292	793	94.12	92.44	19.70	53.51	38.36	13.87
19. All Commodities	112	110	972	1473	94.12	92.44	65.59	99.39	11.52	7.47
20. Tare Weight	0	9	0	9	0.00	7.56	0.00	0.61	0.00	-
21. Transhipment incl.tare wt.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
<b>Grand Total</b>	<b>112</b>	<b>119</b>	<b>972</b>	<b>1482</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>11.52</b>	<b>8.03</b>

Note: For Mumbai port commodity-wise break up of Container Cargo and Total General Cargo for 2015-16 & 2016-17 are not available..

**Table 2.1.7  
(Contd...)**

**Commodity-Wise Break-Up of Container and General Cargo and Level of Containerisation at Major Ports - Port-wise - 2015-16 & 2016-17**

Commodities	General Cargo (000T)				% Share of Commodities in Total Container Cargo		% Share of Commodities in Total General Cargo		Level of Containerisation % of Containerisation to General Cargo	
	Container Cargo		Total General Cargo		2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
	2015-16	2016-17	2015-16	2016-17						
1	2	3	4	5	6	7	8	9	10	11
<b>PORT : MUMBAI</b>										
<b>UNLOADED</b>										
1. Iron & Steel	0	0	0	0	0.00	0.00	0.00	0.00	-	-
2. Metal & Metal Products.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
3. Chemicals	0	0	0	0	0.00	0.00	0.00	0.00	-	-
4. Paper, Newsprints etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
5. Plastic & its products	0	0	0	0	0.00	0.00	0.00	0.00	-	-
6. Machinery/Instrument and Transport equipments.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
7. Textiles(Cotton,Silk, Synthetic)Yarn etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
8. Hair and wool	0	0	0	0	0.00	0.00	0.00	0.00	-	-
9. Rubber and its products.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
10.Oil, fats etc.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
11.Woodpulp.	0	0	0	0	0.00	0.00	0.00	0.00	-	-
12. Foodgrain (Cereals and Pulses)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
13.Fertiliser & FRM	0	0	0	0	0.00	0.00	0.00	0.00	-	-
14.Industrial Alcohol & Spirits (Non-potable)	0	0	0	0	0.00	0.00	0.00	0.00	-	-
15.Drugs & Medicines	0	0	0	0	0.00	0.00	0.00	0.00	-	-
16.Timber & Log	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
17.Others	462	451	16617	18297	88.85	86.73	90.48	99.62	2.78	2.46
a) Fruits	0	0	0	0	0.00	0.00	0.00	0.00	-	-
b) Synthetic Resin	0	0	0	0	0.00	0.00	0.00	0.00	-	0.00
c) Miscellaneous	462	451	16617	18297	88.85	86.73	90.48	99.62	2.78	2.46
18. All Commodities	462	451	16617	18297	88.85	86.73	90.48	99.62	2.78	2.46
19. Tare Weight	0	67	0	67	0.00	12.88	0.00	0.36	#DIV/0!	0.00
20.Transshipment incl.tare wt.	0	2	0	2	0.00	0.38	0.00	0.01	-	0.00
<b>Grand Total</b>	<b>462</b>	<b>520</b>	<b>16617</b>	<b>18366</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>2.78</b>	<b>2.83</b>

Note: For Mumbai port commodity-wise break up of Container and General Cargo for 2015-16 & 2016-17 are not available.

Source: Major Ports

Table 2.1.8

## Overseas Cargo of Principal Commodities Unloaded by Country - 2016-17

Country of Origin/Commodities	In '000 Tonnes														
	KDS	HDC	PPT	VPT	EPL	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			3395	247		126			132				1273	5173	
Algeria						405		357						762	
Argentina												554		554	
Australia														0	
Benin														0	
Brunei		167	180	78		152						757		1334	
CIS (Ex Russia)														0	
Denmark														0	
Egypt				282								99	215	596	
Indonesia		375							180					555	
Iran			2871	1470		143		192	6460			98	9218	20452	
Iraq			4020	942		1904						2262	9610	18738	
Ivory Cost														0	
Kuwait								686	1427			651	2601	5365	
Liberia														0	
Libya														0	
Malaysia			478	933		346		1214	82			1024	81	4158	
Mauritius													596	596	
Netherland														0	
Nigeria			3009	1292		1038		2279				1126	3564	12308	
Oman														0	
Pakistan														0	
Qatar														0	
Russia													141	141	
Saudi Arabia			1691	1505				2569	3886			3764	547	13962	
Singapore			3649									77		3726	
South Korea								195				74		269	
Sudan														0	
Syria				77										77	
Tunisia														0	
Turkey				133				661					140	934	
U.A.E.				2071				2051	1675			3706	2918	12421	
Ukraine														0	
Venezuela													2083	2083	
Yemen														0	
Other Countries			5187	134		4092		808	76			308	7985	18590	
<b>Total</b>	<b>0</b>	<b>542</b>	<b>24480</b>	<b>9164</b>	<b>0</b>	<b>8206</b>	<b>0</b>	<b>11012</b>	<b>13918</b>	<b>0</b>	<b>0</b>	<b>14500</b>	<b>40972</b>	<b>122794</b>	

Table 2.1.8

## Overseas Cargo of Principal Commodities Unloaded by Country - 2016-17

In '000 Tonnes

Country of Origin/Commodities	KDS	HDC	PPT	VPT	EPL	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		21												21
Belgium														0
Bangladesh		17	3				73							93
Canada														0
China		16	4			63					35			118
France														0
Hong Kong														0
Indonesia		17	18	23		38								96
Iran											1	19		20
Iraq														0
Japan														0
North Korea														0
South Korea					12						59			71
Kuwait		28										29	59	116
Malaysia		29	22	23		63			22		4			163
Maldives														0
Netherland														0
Norway														0
Oman		285					59	41	35		16		37	473
Pakistan	5						89		51					145
Qatar		61											284	345
Russia														0
Saudi Arabia		123			32						5	135	483	778
Singapore		46	198	67	219	70	107	36	30		58	47	37	915
Taiwan														0
Thailand		19										3		22
Turkey														0
Tunisia														0
U.A.E.		209		41	60		12	132	91	9	159	70	440	1223
USA					204			148			105	7		464
Other Countries	167		3		52	101			10			662		995
<b>Total</b>	<b>172</b>	<b>871</b>	<b>248</b>	<b>154</b>	<b>579</b>	<b>335</b>	<b>340</b>	<b>357</b>	<b>239</b>	<b>9</b>	<b>442</b>	<b>972</b>	<b>1340</b>	<b>6058</b>

Table 2.1.8

## Overseas Cargo of Principal Commodities Unloaded by Country - 2016-17

Country of Origin/Commodities	In '000 Tonnes													
	KDS	HDC	PPT	VPT	EPL	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													16	16
Baharain														0
Belarus														0
Brazil														0
Canada		38		76					15				54	183
China	65	120	17	433			132		5	9		256	944	1981
CIS (Ex. Russia)														0
Egypt							53							53
Estonia														0
Ethopia														0
Germany				30										30
Indonesia			22	38			27							87
Iran				37					45	11			393	486
Israel				69			28		22	44			161	324
Jordan				75					98	135			187	495
Kuwait				71									142	213
Latvia														0
Lithuania				95			181						51	327
Malaysia				12										12
Mexico														0
Morocco													55	55
Netherland														0
Oman				188			43						216	447
Qatar				110										110
Romania														0
Russia				353			97	17	178				621	1266
Saudi Arabia				71									240	311
Singapore														0
South Korea				72										72
Soviet Union														0
Sri Lanka														0
Thailand														0
Tunisia														0
Turkey														0
U.A.E.													36	36
Ukraine				9									126	135
United Kingdom														0
USA													51	51
Other Countries				147		62	43		45				56	353
<b>Total</b>	<b>65</b>	<b>158</b>	<b>39</b>	<b>1886</b>	<b>0</b>	<b>62</b>	<b>604</b>	<b>17</b>	<b>408</b>	<b>199</b>	<b>0</b>	<b>256</b>	<b>3349</b>	<b>7043</b>

Table 2.1.8

## Overseas Cargo of Principal Commodities Unloaded by Country - 2016-17

In '000 Tonnes

Country of Origin/Commodities	KDS	HDC	PPT	VPT	EPL	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				30										30
Antigua														0
Australia									8					8
Bahrain				3										3
Brunoi														0
Belgium														0
Chile														0
China														0
Denmark														0
Egypt		262	44	126		67	16		29			27	264	835
Iran			33											33
Israel			56											56
Italy														0
Japan			10											10
Jordan			1333	15			916							2264
Kuwait														0
Libya														0
Morocco			436	190				86						712
Nauru														0
Qatar			304	11				27						342
Russia			43											43
Saudi Arabia		11	292	39			39	99						480
Senegal														0
South Africa														0
Sri Lanka														0
Sudan														0
Syria														0
Togo			50	253										303
Tunisia														0
U.A.E.		36	131	94			50	23						334
USA														0
Ukraine														0
Vietnam														0
Yemen														0
Other Countries	21		1293			124	16						32	1486
<b>Total</b>	<b>21</b>	<b>309</b>	<b>4025</b>	<b>761</b>	<b>0</b>	<b>191</b>	<b>1037</b>	<b>235</b>	<b>37</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>296</b>	<b>6939</b>

Table 2.1.8

## Overseas Cargo of Principal Commodities Unloaded by Country - 2016-17

In '000 Tonnes

Country of Origin/Commodities	KDS	HDC	PPT	VP	EPL	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			10											10
Bahrain		30											9	39
Bangladesh														0
Belgium													68	68
Egypt			17										5	22
Germany														0
Indonesia			30	9										39
Iran			115	102				25					73	315
Israel													38	38
Japan			268	177										445
Jordan			20						26	10			660	716
Kuwait				15									10	25
Malaysia			76										5	81
Mauritius														0
Morocco		194	194	45				192	120	309				1054
Oman		4												4
Qatar		16	21	14			109	8	43				47	258
Russia			40											40
Saudi Arabia		7	25	8			34		16				124	214
Senegal													632	632
Singapore														0
South Africa				28										28
South Korea			385	9										394
Tunisia														0
USA				11									285	296
U.A.E.			29	15			7		26				35	112
U.K														0
Ukraine			311	14									77	402
Other Countries			206	105		20	62	16	32	17	98		55	611
<b>Total</b>	<b>0</b>	<b>251</b>	<b>1747</b>	<b>552</b>	<b>0</b>	<b>20</b>	<b>212</b>	<b>241</b>	<b>263</b>	<b>336</b>	<b>98</b>	<b>0</b>	<b>2123</b>	<b>5843</b>



Table 2.1.8

## Overseas Cargo of Principal Commodities Unloaded by Country - 2016-17

In '000 Tonnes

Country of Origin/Commodities	KDS	HDC	PPT	VPT	EPL	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				182		186	1120	125	122					1735
Canada				10										10
China														0
Dubai														0
Indonesia														0
Japan														0
Jordan														0
Myanmar														0
Russia													48	48
Taiwan														0
Vietnam														0
Others	2016			346		385	786	49	126			430	150	4288
<b>Total</b>	2016	0	0	538	0	571	1906	174	248	0	0	430	198	6081

Table 2.1.8

## Overseas Cargo of Principal Commodities Unloaded by Country - 2016-17

Country of Origin/Commodities	In '000 Tonnes													
	KDS	HDC	PPT	VPT	EPL	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>														
Australia														0
Bangladesh														0
Brazil												9		9
Belgium						3						34	13	50
China	16	81	10			112		1	0			635	102	957
CIS(Ex. Russia)														0
Egypt														0
France														0
Germany												1		1
Indonesia				1			21					18	18	58
Iran												21		21
Italy												3		3
Japan	4	57				113		4				260	209	647
North Korea														0
South Africa														0
South Korea			16									942	124	1082
Malaysia									0			2		2
Myanmar														0
Netherland														0
Panama														0
Romania														0
Russia												121		121
Singapore			3			12								15
Saudi Arabia														0
Spain														0
Sri Lanka						2								2
Swedon														0
Taiwan												2		2
Thailand		22	23											45
Turkey														0
U.A.E.												16	10	26
Ukraine								3				58		61
UK														0
USA												68		68
Vietnam												25		25
Other Countries	1			0		461	0	0				349	22	833
<b>Total</b>	<b>21</b>	<b>176</b>	<b>36</b>	<b>1</b>	<b>0</b>	<b>724</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2564</b>	<b>498</b>	<b>4028</b>

Table 2.1.8

## Overseas Cargo of Principal Commodities Unloaded by Country - 2016-17

In '000 Tonnes

Country of Origin/Commodities	KDS	HDC	PPT	VPT	EPL	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		751				20			7		252		1658	2688
Brazil		8				3					58		91	160
China											7		9	16
CIS (Ex Russia)						524								524
Egypt														0
France														0
Indonesia		982		5		510	167		314		499	37	1185	3699
Japan														0
Macedonia														0
Maldives														0
Malaysia		411				154	47		167		184	18	625	1606
Qatar														0
Romania														0
Russia													15	15
Singapore									9		7		7	23
Saudi Arabia		4											23	27
Spain														0
Thailand														0
Turkey														0
Ukraine			8					5	191		295		56	555
UAE		6											336	342
USA													21	21
Other Countries	525	34	0								0	66	512	1137
<b>Total</b>	<b>525</b>	<b>2204</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>1211</b>	<b>214</b>	<b>5</b>	<b>688</b>	<b>0</b>	<b>1302</b>	<b>121</b>	<b>4538</b>	<b>10813</b>

Table 2.1.8

## Overseas Cargo of Principal Commodities Unloaded by Country - 2016-17

Country of Origin/Commodities	In '000 Tonnes														
	KDS	HDC	PPT	VPT	EPL	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 (COKING)</b>															
Australia		4641	7819	3627					52	7106		1112	394	24751	
Canada		90	246	235						288				859	
China									348			103		451	
CIS (Ex Russia)														0	
Colombia														0	
Egypt														0	
Indonesia							2879		835	73				3787	
Iran														0	
Japan			45						55					100	
Mozambique		59	12							406				477	
New Zealand		213	79	99										391	
Poland														0	
Romania		25												25	
Russia			366						100	476		126	48	1116	
Singapore		31	227			79								337	
South Africa			176					151						1585	
Ukraine			68											68	
USA		258	123	321					152			157		1011	
Venezuela														0	
Vietnam			45											45	
Other Countries	20	146	930		0		396		504			98	54	2148	
<b>Total</b>	<b>20</b>	<b>5463</b>	<b>10136</b>	<b>4282</b>	<b>79</b>	<b>0</b>	<b>3426</b>	<b>0</b>	<b>3304</b>	<b>8349</b>	<b>0</b>	<b>1596</b>	<b>496</b>	<b>37151</b>	

Table 2.1.8

## Overseas Cargo of Principal Commodities Unloaded by Country - 2016-17

Country of Origin/Commodities	In '000 Tonnes														
	KDS	HDC	PPT	VPT	EPL	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					916		136			83			193	1328	
China									63				128	191	
Colombia														0	
Indonesia			1447			7075		3968	44	3208	721	2608	5406	24477	
Malaysia			84											84	
Philippines										70				70	
Russia							1421						45	1466	
Singapore														0	
South Africa			3354		639		257		262	1397			2310	8219	
Spain														0	
Thailand			47											47	
USA			52										4801	4853	
UAE														0	
Ukraine							56							56	
Other Countries	0		689				373			243			2176	3481	
<b>Total</b>	<b>0</b>	<b>0</b>	<b>5673</b>	<b>0</b>	<b>8630</b>	<b>0</b>	<b>6211</b>	<b>44</b>	<b>3533</b>	<b>2514</b>	<b>0</b>	<b>2608</b>	<b>15059</b>	<b>44272</b>	
<b>IRON ORE / PELLETS</b>															
Australia														0	
Bahrain														0	
Brazil				74					73					147	
China														0	
Finland														0	
Oman									74					74	
Qatar														0	
Russia														0	
Senegal														0	
South Africa										330			461	791	
Ukraine														0	
Vietnam														0	
Other Countries				76					179					255	
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>326</b>	<b>330</b>	<b>0</b>	<b>0</b>	<b>461</b>	<b>1267</b>	

Table 2.1.8

## Overseas Cargo of Principal Commodities Unloaded by Country - 2016-17

Country of Origin/Commodities	In '000 Tonnes													
	KDS	HDC	PPT	VPT	EPL	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		163		332			108							603
Argentina		17												17
Brazil				45			59							104
Canada							38							38
Chile							510							510
China														0
Egypt		13												13
Gabon		139		46										185
Ghana														0
Indonesia							188							188
Iran														0
Japan	12	58		9										79
Malaysia		71												71
Maxico							30							30
Mozambique							20							20
Oman									79					79
Peru							218							218
Phillipines														0
Saudi Arabia							45							45
South Africa		439		566										1005
Thailand														0
Turkey														0
UAE			8											8
USA														0
Other Countries	27	51		1041			33							1152
<b>Total</b>	<b>39</b>	<b>959</b>	<b>0</b>	<b>2039</b>	<b>0</b>	<b>0</b>	<b>1249</b>	<b>0</b>	<b>79</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4365</b>

Table 2.1.9

## Overseas Cargo of Principal Commodities Loaded by Country ( Port-wise) - 2016-17

(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														0
Argentina											12			12
Bangladesh			56										66	122
Belgium												1		1
China			42	26		101		55	250		138	145	127	884
Egypt													193	193
France														0
Guyana														0
Hongkong									136				130	266
Indonesia		15	60										0	75
Japan								95	107		14	514	33	763
Jakarta														0
Jordan									68					68
Kenya									116				102	218
North Korea		16											105	121
South Korea				26				194	388		174	204	343	1329
Liberia														0
Malaysia		81	38	25		103		97	59			94	551	1048
Maldives														0
Malta														0
Mauritius									1070					1070
Namibia														0
Netherland			32						41			6	188	267
Oman			22								19	25	558	624
Pakistan														0
Qatar														0
Saudi Arabia									68			12	473	553
Singapore		289	588	189		404		253	869		12	89	4202	6895
Sri Lanka						4		34				14	78	130
Slovenia								99						99
Switzerland														0
Taiwan									114		57	26	159	356
Tanzania														0
U.A.E.			53					119	205		16	343	2356	3092
Ukraine								130				20		150
USA						38			73				131	242
Vietnam													170	170
Yemen													68	68
Yugoslavia														0
Other Countries	6		270			389		285	79		81	501	1216	2827
<b>Total</b>	<b>6</b>	<b>401</b>	<b>1161</b>	<b>266</b>	<b>0</b>	<b>1039</b>	<b>0</b>	<b>1361</b>	<b>3643</b>	<b>0</b>	<b>523</b>	<b>1994</b>	<b>11249</b>	<b>21643</b>

Table 2.1.9  
(Contd.)

Overseas Cargo of Principal Commodities Loaded by Country ( Port-wise) - 2016-17

(In '000 Tonnes)

Country of Origin/Commodities	KDS	HDC	PPT	VPT	EPL	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														0
Canada														0
China														0
Ethopia														0
France														0
Indonesia														0
Iran													44	44
Italy														0
Japan													13	13
Kuwait													31	31
Malaysia														0
Maldives														0
Mozambique														0
Oman														0
Saudi Arabia													203	203
Singapore														0
Somalia													79	79
Sudan														0
Taiwan														0
Thailand														0
U.A.E.													9	9
Vietnam														0
Other Countries	14												9	23
<b>Total</b>	<b>14</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>388</b>	<b>402</b>



**Table 2.1.9  
Contd.**

**Overseas Cargo of Principal Commodities Loaded by Country ( Port-wise) - 2016-17**

(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	10	34	100	50		92						11	15	312
Belgium				52								165		217
Brazil												6		6
China				3					0					3
CIS														0
Indonesia		28				16								44
Iran														0
Italy		21	89	49		180				40		53		432
Japan														0
Kenya														0
Kuwait													1	1
Malaysia		62	32	60		113								267
Maldives							10							10
Myanmar						31								31
Oman			31										7	38
Philippines												1		1
Qatar														0
Saudi Arabia				46										46
South Korea				20										20
Singapore			5											5
Spain				58								23		81
Sri Lanka		19		10		5								34
Sudan														0
Taiwan												9		9
Tanzania														0
Thailand		125		78		237						7		447
U.A.E.		73	18	2		6						36		135
United Kingdom				6								23	45	74
USA										44		116		160
Vietnam			127	160								94		381
Other Countries	19		250	35		62				19		260		645
<b>Total</b>	<b>29</b>	<b>489</b>	<b>685</b>	<b>469</b>	<b>0</b>	<b>742</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>103</b>	<b>0</b>	<b>804</b>	<b>68</b>	<b>3399</b>

Table 2.1.9  
Contd.

Overseas Cargo of Principal Commodities Loaded by Country (Port-wise) - 2016-17

(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			651											651
China		854	6425	894					731	14046				22950
Itlay										90				90
Japan			55	1459						385				1899
Kuwait														0
Malaysia														0
South Korea				677										677
Netherlands														0
Pakistan														0
Philippines														0
Romania														0
Saudi Arabia									22					22
U.A.E.				77										77
United Kingdom														0
Vietnam														0
Other Countries	0	144	104	0					188	115				551
<b>Total</b>	<b>0</b>	<b>998</b>	<b>7235</b>	<b>3107</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>941</b>	<b>14636</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26917</b>

**Table 2.1.9  
(Contd.)**

**Overseas Cargo of Principal Commodities Loaded by Country ( Port-wise) - 2016-17**

(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			98				51						158	307
France														0
Indonesia													24	24
Iran														0
Iraq								16						16
Italy														0
Japan			19				28							47
Kuwait														0
Poland														0
Singapore														0
Spain														0
South Korea			76											76
Maldives														0
Malaysia			21				28							49
Mexico														0
Netherlands							92						56	148
Nigeria														0
Qatar				5										5
Saudi Arabia													1	1
South Africa														0
Tanzania														0
Thailand														0
USA						61	35							96
Other Countries			120			500							0	620
<b>Total</b>	<b>0</b>	<b>0</b>	<b>334</b>	<b>5</b>	<b>0</b>	<b>577</b>	<b>234</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>239</b>	<b>1389</b>

**Table  
2.1.10****Tare Weight of Containers handled At Major Ports**

(000'Tonnes)

Port	Container Cargo			Tare Weight			Container Traffic		
	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10
Deendayal	0	56	175	0	0	0	0	56	175
Mumbai	469	497	561	75	77	78	544	574	639
J.L.Nehru	47554	47370	45147	9379	9421	9383	56933	56791	54530
Mormugao	255	284	331	57	61	71	312	345	402
N.Mangalore	776	944	1208	144	161	203	920	1105	1411
Cochin	4367	4786	5669	879	999	1171	5246	5785	6840
V.O.Chidambanar	9960	11159	11702	1074	1229	1289	11034	12388	12991
Chennai	25259	25469	24319	4686	4738	4531	29945	30207	28850
Visakhapatnam	3872	4569	5602	500	576	826	4372	5145	6428
Paradip	58	121	38	9	11	4	67	132	42
Haldia Dock Complex	1741	1201	2182	217	175	285	1958	1376	2467
Kolkata Dock System*	6981	8004	8548	1129	1259	1339	8110	9263	9887
Kamarajar	0	1	1	0	0	0	0	1	1
<b>Total</b>	<b>101292</b>	<b>104460</b>	<b>105482</b>	<b>18149</b>	<b>18707</b>	<b>19180</b>	<b>119441</b>	<b>123168</b>	<b>124663</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' and above is 4.5 Mt.

Source: Major Ports

**Table 2.1.11 Reefer Container Traffic at Major Ports - 2015-16 & 2016-17**

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	2015-16	856	9837	8380	91215	899	6864	8638	45553
	2016-17	1136	0	5339	0	1138	0	5410	0
Haldia Dock Complex	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Paradip	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Visakhapatnam	2015-16	470	0	8729	0	387	0	7520	0
	2016-17	421	0	10792	0	137	0	303	0
Chennai	2015-16	1146	0	6483	0	1577	0	6345	0
	2016-17	1297	0	6299	0	1768	0	9475	0
V.O. Chidambaranar	2015-16	349	0	3912	0	342	0	3818	0
	2016-17	397	0	3757	0	347	0	2867	0
Cochin	2015-16	829	0	6784	0	70	0	1034	0
	2016-17	855	0	8575	0	837	0	8424	0
New Mangalore	2015-16	45	0	1687	0	12	0	347	0
	2016-17	57	0	2204	0	4	0	407	0
Mormugao	2015-16	11	0	1407	0	7	0	1412	0
	2016-17	4	0	1776	0	4	0	1730	0
J.L.Nehru	2015-16	4767	0	95040	0	4241	0	45450	0
	2016-17	4138	0	56271	0	5303	0	116636	0
Mumbai	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Deendayal	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Total	2015-16	8473	9837	132422	91215	7535	6864	74564	45553
	2016-17	8305	0	95013	0	9538	0	145252	0

Note: There is no container traffic at Kamarajar port.

Source: Major Ports

Table 2.1.12

## Level of Containerisation in General Cargo at various Major Ports - 2015-16 &amp; 2016-17

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>									
2015-16	53	3	56	1441	4711	6152	3.7	0.1	0.9
2016-17	150	25	175	1321	3489	4810	11.4	0.7	3.6
<b>MUMBAI</b>									
2015-16	112	462	574	972	16617	17589	11.5	2.8	3.3
2016-17	119	520	639	1482	18366	19848	8.0	2.8	3.2
<b>J. L. NEHRU</b>									
2015-16	26309	30481	56790	26344	30505	56849	99.9	99.9	99.9
2016-17	24983	29547	54530	24998	29556	54554	99.9	100.0	100.0
<b>MORMUGAO</b>									
2015-16	136	209	345	1291	211	1502	10.5	99.1	23.0
2016-17	168	234	402	2423	239	2662	6.9	97.9	15.1
<b>NEW MANGALORE</b>									
2015-16	460	646	1106	640	735	1375	71.9	87.9	80.4
2016-17	579	832	1411	696	994	1690	83.2	83.7	83.5
<b>COCHIN</b>									
2015-16	1868	3917	5785	1870	3978	5848	99.9	98.5	98.9
2016-17	2259	4581	6840	2261	4613	6874	99.9	99.3	99.5
<b>V.O. CHIDAMBARANAR</b>									
2015-16	7209	5179	12388	8735	5559	14294	82.5	93.2	86.7
2016-17	7834	5157	12991	9812	5564	15376	79.8	92.7	84.5
<b>CHENNAI</b>									
2015-16	14107	16100	30207	14855	17448	32303	95.0	92.3	93.5
2016-17	12647	16203	28850	14060	17065	31125	90.0	94.9	92.7
<b>VISAKHAPATNAM</b>									
2015-16	2778	2367	5145	3319	2690	6009	83.7	88.0	85.6
2016-17	3667	2761	6428	4498	3140	7638	81.5	87.9	84.2
<b>PARADIP</b>									
2015-16	62	70	132	63	195	258	98.4	35.9	51.2
2016-17	28	14	42	748	121	869	3.7	11.6	4.8
<b>KOLKATA DOCK SYSTEM</b>									
2015-16	4322	4941	9263	5654	5985	11639	76.4	82.6	79.6
2016-17	4496	5391	9887	4593	6852	11445	97.9	78.7	86.4
<b>HALDIA DOCK COMPLEX</b>									
2015-16	601	775	1376	692	1542	2234	86.8	50.3	61.6
2016-17	1234	1233	2467	1785	1576	3361	69.1	78.2	73.4
<b>KAMARAJAR</b>									
2015-16	0	1	1	2604	4	2608	-	-	-
2016-17	1	0	1	2473	282	2755	0.0	0.0	0.0
<b>TOTAL</b>									
2015-16	58017	65151	123168	68480	90180	158660	84.7	72.2	77.6
2016-17	58165	66498	124663	71150	91857	163007	81.7	72.4	76.5

\* Includes tare weight also

Source: Major Ports

Table 2.1.13

## Inland Container Movement At Major Ports - 2015-16 &amp; 2016-17

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	2015-16	2567	...	7403	0	20635	...	3383	0	33988	0
	2016-17	2951	...	8423	0	33281	...	3801	0	48456	0
Haldia Dock Complex	2015-16	2430	27460	42994	43088	4738	81922	42141	662547	92303	815017
	2016-17	7483	71886	78397	931321	5563	97451	55737	881935	147180	1982593
Paradip	2015-16	...	...	1322	27327	...	...	2474	65149	3796	92476
	2016-17	...	...	1076	25407	...	...	837	12186	1913	37593
Visakhapatnam	2015-16	8200	204082	139228	2483595	5370	25076	139744	2432461	292542	5145214
	2016-17	24952	698656	141590	2952124	14833	75995	150059	2680971	331434	6407746
Chennai	2015-16	38889	...	682155	...	48090	...	781454	...	1550588	-
	2016-17	26151	...	485644	...	45188	...	707074	...	1264057	-
V.O. Chidambaranar	2015-16	-	-	301525	7209546	-	-	310189	5178358	611714	12387904
	2016-17	-	-	328501	-	-	-	316070	-	644571	0
New Mangalore	2015-16	-	-	37611	459761	-	-	38098	645385	75709	1105146
	2016-17	-	-	47130	578525	-	-	47799	831980	94929	1410505
Cochin	2015-16	1744	10130	192124	1686742	2920	78281	200019	3667948	396807	5443101
	2016-17	1574	13217	228553	1961015	1101	29674	226250	4262464	457478	6266370
Mormugao	2015-16	-	-	9096	90331	-	-	9859	119494	18955	209825
	2016-17	-	-	11393	106637	-	-	11704	143018	23097	249655
J.L.Nehru(a)	2015-16	344489	5047583	1832484	21904928	426920	6634390	1847278	23675362	4451171	57262263
	2016-17	293147	4128355	1908195	19465996	359132	5257929	1885878	24005699	4446352	52857979
Mumbai	2015-16	-	-	5941	26519	-	-	28151	754851	34092	781370
	2016-17	-	-	4897	59658	-	-	36441	425039	41338	484697
Deendayal	2015-16	-	-	-	-	-	-	-	-	-	-
	2016-17	-	-	2271	6945	-	-	2909	78043	5180	84988
<b>Total</b>	2015-16	<b>398319</b>	<b>5289255</b>	<b>3251883</b>	<b>33931837</b>	<b>508673</b>	<b>6819669</b>	<b>3402790</b>	<b>37201555</b>	<b>7561665</b>	<b>83242316</b>
	2016-17	<b>356258</b>	<b>4912114</b>	<b>3246708</b>	<b>26158726</b>	<b>459098</b>	<b>5461049</b>	<b>3444559</b>	<b>33321335</b>	<b>7505985</b>	<b>69782126</b>

Note:-Containers are not handled at Kamarajar Port.

Source: Major Ports

Table 2.1.14

## Inland Container Depot Movement at Major Ports -

(TEUs)

PORT	2015-16				2016-17			
	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	9970	24018	33988	577749	11374	37082	48456	635848
Haldia Dock Complex	99	21	120	85142	5727	1572	7299	135828
Paradip	-	-	-	4983	-	-	-	1913
Visakhapatnam	8200	5370	13570	242924	0	0	0	367199
Chennai	59321	61098	120419	1565130	43390	60642	104032	1494831
V.O. Chidambaran	0	0	0	611714	0	0	0	642689
Cochin	1744	2920	4664	419550	2911	1101	4012	491087
New Mangalore	0	0	0	75709	0	0	0	94929
Mormugao	0	0	0	25539	0	0	0	29632
J.L.Nehru	344489	426920	771409	4491568	741812	761843	1503655	4500149
Mumbai	0	0	0	42820	0	0	0	42862
Deendayal	0	0	0	3167	0	0	0	5182
<b>All Ports</b>	<b>423823</b>	<b>520347</b>	<b>944170</b>	<b>8145995</b>	<b>805214</b>	<b>862240</b>	<b>1667454</b>	<b>8442149</b>

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

Source: Major Ports



**Table 2.1.15 Selected Physical Performance Indicators - By Type of Vessels - 2015-16 & 2016-1**

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>						
2015-16	2052	3283	7637	2877	5639	21488
2016-17	2041	3565	7772	2629	5648	21655
<b>2. Av. pre-berthing waiting time(days)</b>						
2015-16	2.65	1.30	1.75	1.08	0.36	1.31
2016-17	2.01	1.74	1.62	1.13	0.30	1.27
<b>3. Av. turn round time (days)</b>						
2015-16	4.67	4.81	3.58	4.23	1.77	3.51
2016-17	4.25	5.06	3.49	4.12	1.79	3.48
<b>4. Percentage of idle time at berth to time at working berth (days)</b>						
2015-16	26.1	27.6	21.3	36.9	14.7	25.3
2016-17	20.3	30.0	10.5	37.7	16.1	26.3
<b>5. Av. Output per ship berth day (tonnes)</b>						
2015-16	29139	12404	20451	3618	22244	16471
2016-17	28669	16728	22412	4176	24099	19080

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

Source: Major Ports

Table 2.1.16

## Selected Physical Performance Indicators - Major Port-wise -2015-16 &amp; 2016-17

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>														
2015-16	1442	2026	1521	2018	813	1733	1588	1169	1243	605	2780	2037	2513	21488
2016-17	1306	2087	1580	1944	801	1600	1662	1216	1417	760	2720	1994	2568	21655
<b>2. Av. pre-berthing waiting time(days)</b>														
2015-16	0.50	0.66	2.05	1.47	4.73	0.44	1.33	0.66	0.76	1.38	1.17	1.27	1.98	1.31
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
<b>3. Av. turn round time (days)</b>														
2015-16	4.78	3.27	4.50	3.84	6.87	2.53	3.53	2.18	2.63	3.37	2.31	3.29	4.28	3.51
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
<b>4. Percentage of Idle time at berth to time at working berth (days)</b>														
2015-16	34.3	16.9	27.6	34.2	33.8	29.4	26.1	33.3	18.3	23.5	12.5	58.6	24.3	25.3
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
<b>5. Av. Output per ship berth day (tonnes)</b>														
2015-16	3201	9126	26965	17179	31106	18976	13619	20962	16165	21542	23792	18020	16538	16471
2016-17	6080	12537	30245	16823	26235	19220	13612	23539	17094	30414	23897	20915	18235	19080

\*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 2.1.17

## Number of Vessels Sailed by Type of Vessels -2015-16 &amp; 2016-17

Port	Type of Vessel											
	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (Conv.)		Liquid Bulk		All Types	
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11	12	13
Kolkata Dock System	793	777	268	258	0	0	124	34	257	237	1442	1306
Haldia Dock Complex	223	286	70	74	170	168	544	580	1019	979	2026	2087
Paradip	25	11	20	54	547	550	539	599	390	366	1521	1580
Visakhapatnam	408	368	128	119	245	213	530	559	707	685	2018	1944
Kamarajar	0	4	129	156	426	375	0	0	258	266	813	801
Chennai	755	705	382	321	0	0	151	172	445	402	1733	1600
V.O. Chidambaranar	573	534	289	408	162	170	354	346	210	204	1588	1662
Cochin	643	696	41	31	68	80	19	20	398	389	1169	1216
New Mangalore	177	217	107	108	108	129	123	164	728	799	1243	1417
Mormugao	96	110	89	106	208	254	74	155	138	135	605	760
J.L.Nehru	1935	1912	241	141	39	43	0	0	565	624	2780	2720
Mumbai	1	1	657	527	0	0	313	374	1066	1092	2037	1994
Deendayal	10	27	456	326	79	59	512	562	1456	1594	2513	2568
<b>All Ports</b>	<b>5639</b>	<b>5648</b>	<b>2877</b>	<b>2629</b>	<b>2052</b>	<b>2041</b>	<b>3283</b>	<b>3565</b>	<b>7637</b>	<b>7772</b>	<b>21488</b>	<b>21655</b>

Source: Major Ports

Table 2.1.18

## Average Pre-berthing Detention By Type of Vessels - 2015-16 &amp; 2016-17

( In Days )

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11	12	13
Kolkata Dock System	0.28	0.53	0.60	0.31	-	-	1.10	0.21	0.81	1.01	0.50	0.57
Haldia Dock Complex	0.28	0.71	0.60	3.75	2.22	1.60	0.74	2.69	0.44	2.95	0.66	2.49
Paradip	0.39	0.33	0.62	1.81	2.49	2.36	2.03	2.78	1.63	2.27	2.05	2.47
Visakhapatnam	0.32	0.20	1.43	3.26	1.89	2.01	1.32	1.05	2.10	1.30	1.47	1.22
Kamarajar	-	-	0.79	0.62	5.00	0.57	-	-	6.26	1.74	4.73	0.96
Chennai	0.10	0.08	0.34	0.13	0.00	0.00	0.31	0.43	1.14	1.10	0.44	0.38
V.O.Chidambanar	0.28	0.23	1.66	1.74	1.28	4.69	3.00	3.40	0.99	0.89	1.33	1.80
Cochin	0.59	0.26	0.18	0.15	1.00	0.57	0.19	0.27	0.79	0.88	0.66	0.48
New Mangalore	0.13	0.09	0.29	0.14	0.34	0.43	0.28	0.48	1.13	0.90	0.76	0.62
Mormugao	0.23	0.24	1.21	2.05	2.75	3.33	0.49	0.56	0.69	0.71	1.38	1.67
J.L.Nehru	0.49	0.29	0.31	0.64	4.64	1.56	0.00	0.00	3.66	2.22	1.17	0.77
Mumbai	0.04	0.13	1.54	0.43	0.00	0.00	0.58	0.51	1.30	0.45	1.27	0.46
Deendayal	0.68	0.78	1.69	2.20	0.36	1.36	1.14	1.35	2.46	2.26	1.98	2.02
<b>All Ports</b>	<b>0.36</b>	<b>0.30</b>	<b>1.08</b>	<b>1.13</b>	<b>2.65</b>	<b>2.01</b>	<b>1.30</b>	<b>1.74</b>	<b>1.75</b>	<b>1.62</b>	<b>1.31</b>	<b>1.27</b>

Source: Major Ports

Table 2.1.19

## Average Turn Round Time - By Type Of Vessels - 2015-16 &amp; 2016-17

(In Days)

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11	12	13
Kolkata Dock System	3.64	4.78	7.22	4.18	-	-	8.70	1.73	3.85	3.93	4.78	4.43
Haldia Dock Complex	1.51	2.31	7.66	11.03	3.21	4.99	5.10	6.63	2.38	5.36	3.27	5.47
Paradip	1.63	1.43	3.57	5.80	4.29	4.19	5.85	6.25	3.17	4.11	4.50	4.99
Visakhapatnam	1.18	1.19	5.15	7.54	4.86	5.19	5.01	4.96	3.91	3.04	3.84	3.75
Kamarajar	0.00	0.00	1.74	1.32	7.44	2.91	0.00	0.00	8.49	3.20	6.87	2.68
Chennai	1.63	1.34	2.63	2.41	0.00	0.00	4.07	5.23	3.45	3.48	2.53	2.51
V.O.Chidambanar	1.35	1.28	4.01	3.60	4.65	8.21	6.48	7.23	2.96	2.97	3.53	4.00
Cochin	1.51	1.12	2.47	1.91	4.56	4.05	5.87	4.92	2.65	2.99	2.18	1.99
New Mangalore	1.29	1.20	1.93	1.43	2.37	2.40	3.39	3.32	2.97	2.58	2.63	2.35
Mormugao	1.28	1.17	4.98	6.21	4.82	5.17	3.04	1.70	1.79	1.79	3.37	3.43
J.L.Nehru	1.48	1.28	1.06	1.54	8.98	5.70	0.00	0.00	5.22	3.89	2.31	1.96
Mumbai	3.00	12.79	4.82	3.96	0.00	0.00	2.36	1.84	2.63	1.97	3.29	2.48
Deendayal	2.30	2.37	5.28	6.42	2.71	5.33	3.36	4.70	4.38	4.05	4.28	4.51
<b>All Ports</b>	<b>1.77</b>	<b>1.79</b>	<b>4.23</b>	<b>4.12</b>	<b>4.67</b>	<b>4.25</b>	<b>4.81</b>	<b>5.06</b>	<b>3.58</b>	<b>3.49</b>	<b>3.51</b>	<b>3.48</b>

Source: Major Ports

Table 2.1.20

## Percentage Of Idle Time At Working Berth To Time At Working Berth - By Type Of Vessels - 2015-16 &amp; 2016-17

(In Days)

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11	12	13
Kolkata Dock System	22.0	23.4	41.1	88.5	-	-	36.6	48.0	42.6	77.9	34.3	44.8
Haldia Dock Complex	32.9	87.7	16.6	55.7	19.5	59.9	15.8	72.6	16.2	64.4	16.9	67.2
Paradip	45.2	47.0	34.6	34.5	33.3	22.5	34.8	40.7	-	-	27.6	27.5
Visakhapatnam	19.6	9.5	33.4	24.5	39.5	48.7	31.6	23.7	40.5	35.3	34.2	28.7
Kamarajar	-	-	29.0	27.0	38.8	9.2	-	-	23.3	24.5	33.8	14.3
Chennai	17.2	16.9	61.9	41.2	-	-	34.8	39.9	19.8	18.3	29.4	27.2
V.O.CHIDAMBANAR	0.0	0.0	47.6	43.9	15.4	15.5	36.8	39.2	30.0	22.5	26.1	26.3
Cochin	27.6	18.8	42.4	37.3	12.5	17.1	60.3	52.1	41.5	50.4	33.3	33.9
New Mangalore	18.1	15.3	48.0	37.0	11.6	11.6	16.7	11.2	16.1	16.3	18.3	15.9
Mormugao	22.9	23.7	23.8	17.0	16.3	13.5	16.7	13.1	64.1	66.3	23.5	19.4
J.L.Nehru	7.9	9.3	20.0	17.9	5.5	4.3	-	-	24.9	21.1	12.5	12.9
Mumbai	72.5	24.6	69.5	72.4	-	-	64.8	58.2	42.0	41.9	58.6	57.7
Deendayal	3.9	0.0	3.0	0.0	-	0.0	2.1	0.0	5.4	0.0	24.3	0.0
<b>All Ports</b>	<b>14.7</b>	<b>16.1</b>	<b>36.9</b>	<b>37.7</b>	<b>26.1</b>	<b>20.3</b>	<b>27.6</b>	<b>30.0</b>	<b>21.3</b>	<b>10.5</b>	<b>25.3</b>	<b>26.3</b>

Source: Major Ports

**Table 2.1.21****Average Output Per Ship Berthday - By Type Of Vessels - 2015-16 & 2016-17****( Tonnes )**

Port	Container		Break Bulk		Dry Bulk (Mech.)		Dry Bulk (conv.)		Liquid Bulk		All Types	
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11	12	13
Kolkata Dock System	7112	8117	3468	906	0	0	1606	1849	2747	4910	3201	6080
Haldia Dock Complex	11954	14547	2416	3290	16081	17712	8408	16213	10028	10412	9126	12537
Paradip	6130	4988	2877	5061	42666	40500	15490	19604	39932	49487	26965	30245
Visakhapatnam	19404	22159	3145	2942	33025	34296	12049	12052	22376	22675	17179	16823
Kamarajar (Ennore)	0	0	44329	36300	37666	29882	0	0	13442	14105	31106	26235
Chennai	33826	39253	4118	4401	0	0	10738	9510	16169	17245	18976	19220
V.O.Chidambaranar	21018	24163	21018	24163	16908	19588	14851	12517	4934	4594	13619	13612
Cochin	19675	22100	1042	966	5242	4720	7730	7238	33712	38197	20962	23539
New Mangalore	5663	6275	1580	2097	19509	21889	12047	12848	20352	21196	16165	17094
Mormugao	3688	4202	4542	6016	41685	50569	19170	60403	11855	12974	21542	30414
J.L.Nehru	32516	35274	422	258	4321	505	0	0	9993	8490	23792	23897
Mumbai	4351	1483	5298	4087	0	0	40393	56332	26739	27815	18020	20915
Deendayal	3508	5324	3872	3607	19833	19639	11814	14771	26379	28495	16538	18235
<b>All Ports</b>	<b>22244</b>	<b>24099</b>	<b>3618</b>	<b>4176</b>	<b>29139</b>	<b>28669</b>	<b>12404</b>	<b>16728</b>	<b>20451</b>	<b>22412</b>	<b>16471</b>	<b>19080</b>

Source: Major Ports

Table 2.1.22

## Commodity-wise Average Pre-Berthing Detention - 2015-16 &amp; 2016-17

(In Days)

Port Commodity	Year	Kolkata Dock System	Haldia Dock Comple	Paradip	Visakhak hapatna m	Kamara jar	Chennai	V.O.Chid a-mbanar	Cochin	New Manglor e	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)	2016-17	-	1.54	3.90	1.44	-	1.29	-	1.26	0.98	-	1.45	0.07	2.07
	2015-16	-	0.40	2.85	0.88	-	1.87	-	0.48	1.30	-	1.46	1.30	1.51
POL(Product)	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
	2015-16	0.72	0.42	1.67	1.93	-	1.24	1.04	1.05	1.14	0.36	4.12	1.12	1.68
LPG	2016-17	0.00	1.41	-	3.62	2.99	-	0.50	0.79	1.21	-	2.43	0.10	4.60
	2015-16	0.00	0.42	-	8.92	-	-	0.98	0.31	1.51	-	7.67	2.19	0.01
Iron Ore	2016-17	0.00	2.46	3.36	2.33	-	-	0.00	-	0.55	2.69	-	-	0.34
	2015-16	0.00	0.72	1.35	1.99	-	-	3.73	-	0.40	0.95	-	-	0.26
Coking Coal	2016-17	2.20	2.24	3.21	0.42	-	-	0.00	-	0.39	4.16	-	-	1.58
	2015-16	0.20	1.98	2.20	1.93	-	-	4.37	-	0.29	3.22	-	-	1.42
Thermal Coal	2016-17	-	0.89	1.79	1.06	0.57	-	4.91	0.13	0.35	2.89	-	-	0.52
	2015-16	-	0.33	2.25	0.57	5.00	-	2.29	-	0.27	2.62	-	-	0.47
Fertilisers *	2016-17	1.41	2.59	1.07	0.82	-	0.20	2.88	0.08	0.29	2.38	-	0.01	0.72
	2015-16	0.53	0.90	1.92	0.90	-	0.29	2.47	0.27	0.31	0.71	-	0.17	0.89
FRM (Dry)	2016-17	0.49	0.00	0.00	-	-	-	0.00	-	-	-	-	-	-
	2015-16	0.00	0.00	0.00	-	-	-	2.81	-	-	-	-	-	-
Other Dry Bulk	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
	2015-16	0.68	0.72	2.01	1.63	-	0.38	1.96	0.90	0.35	1.37	4.63	4.97	1.95
Other Lqd. Bulk	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
	2015-16	0.87	0.46	0.00	1.09	6.26	0.78	0.97	0.58	0.79	1.07	3.01	1.75	3.07
General Cargo	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
	2015-16	0.38	0.50	0.60	1.43	0.79	0.37	2.21	0.18	0.30	1.21	0.31	1.56	1.73
Containers	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
	2015-16	0.28	0.28	0.40	0.32	-	0.13	0.75	0.59	0.12	0.25	0.49	0.05	0.78
<b>Total</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>
	<b>2015-16</b>	<b>0.50</b>	<b>0.66</b>	<b>2.05</b>	<b>1.47</b>	<b>4.73</b>	<b>0.44</b>	<b>1.33</b>	<b>0.66</b>	<b>0.76</b>	<b>1.38</b>	<b>1.17</b>	<b>1.27</b>	<b>1.98</b>

(a) Included in POL Products

\$ Excludes vessels engaged in lighterage operations of dry cargo at a`

Source: Major Ports

\* Fertilisers &amp; FRM Dry enclued 2015-16 &amp; 2016-17



Table 2.1.23

## Commodity-wise Average Turn Round Time 2015-16 &amp; 2016-17

Port ---> Commodity	Year	(In Days)														
		Kolkata Dock System\$	Haldia Dock Complex	Paradip	Visakhakha patnam	Kamrajar	Chennai	V.O.Chidam baranar	Cochin	New Manglore	Mormugao	J.L.Nehru	Mumbai	Deendayal		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
POL (Crude)	2016-17	-	2.11	5.66	3.64	-	3.44	-	3.06	2.86	-	3.00	2.25	4.06		
	2015-16	-	1.23	4.46	2.73	-	3.99	-	2.23	3.16	-	2.39	2.80	3.48		
POL(Product)	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		
	2015-16	3.63	1.63	3.13	2.47	-	3.70	3.34	3.16	2.81	1.56	6.21	2.82	3.72		
LPG	2016-17	-	1.72	-	5.86	4.46	-	2.16	2.28	3.60	-	3.80	3.02	6.27		
	2015-16	-	1.80	-	11.53	-	-	2.54	2.44	4.48	-	9.40	4.23	18.23		
Iron Ore	2016-17	-	3.64	7.05	5.95	0.00	-	0.00	0.00	3.02	11.57	-	-	4.89		
	2015-16	-	5.06	4.24	4.85	-	-	5.82	0.00	2.50	10.62	-	-	4.68		
Coking Coal	2016-17	5.05	3.67	7.58	3.09	-	-	0.00	0.00	2.78	7.21	-	-	4.23		
	2015-16	5.05	3.71	5.97	5.36	-	-	7.78	0.00	2.50	6.39	-	-	5.28		
Thermal Coal	2016-17	-	2.82	3.31	3.17	2.91	-	8.59	4.77	2.69	5.28	-	-	4.62		
	2015-16	-	2.91	3.76	2.67	7.29	-	6.00	4.41	2.69	4.73	-	-	4.46		
Fertilisers*	2016-17	17.45	10.33	3.61	6.93	-	4.60	7.25	8.83	3.86	6.31	-	15.57	4.84		
	2015-16	12.91	13.38	4.30	6.77	-	3.71	7.70	9.23	5.73	5.19	-	13.36	4.27		
FRM (Dry)	2016-17	4.08	-	-	-	-	-	0.00	-	-	-	-	-	-		
	2015-16	0.00	-	-	-	-	-	6.98	-	-	-	-	-	-		
Other Dry Bulk	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		
	2015-16	10.07	5.15	5.65	5.13	-	4.12	5.23	4.41	2.55	5.30	8.98	9.98	5.15		
Other Lqd. Bulk	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		
	2015-16	3.99	2.94	-	5.12	7.76	2.94	2.92	1.89	2.08	2.05	4.39	2.91	4.89		
General Cargo	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		
	2015-16	4.58	4.72	3.60	5.16	1.51	2.63	5.33	2.47	1.93	4.98	1.06	5.30	5.13		
Containers	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		
	2015-16	3.64	1.51	1.64	1.18	-	1.63	1.35	1.51	1.29	1.28	1.48	3.04	2.33		
<b>Total</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>		
	<b>2015-16</b>	<b>4.78</b>	<b>3.27</b>	<b>4.50</b>	<b>3.84</b>	<b>6.87</b>	<b>2.53</b>	<b>3.53</b>	<b>2.18</b>	<b>2.63</b>	<b>3.37</b>	<b>2.31</b>	<b>3.29</b>	<b>4.28</b>		

\$ Excludes vessels engaged in lighterage operations of dry cargo at anchorages.

\* Fertilisers & FRM Dry included 2015-16 & 2016-17

Source: Major Ports

Table 2.1.24

## Commodity-wise Average Non-Working Time at Berth - 2015-16 &amp; 2016-17

(In Days)

Port ---->	Year	Kolkata Dock System	Haldia Dock Complex	Paradip	Visakhakha patnam	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)	2016-17	-	0.32	N/A	0.23	-	0.33	-	0.24	0.24	-	0.29	0.42	0.00
	2015-16	-	0.18	0.01	0.21	-	0.32	-	0.08	0.23	-	0.31	0.40	0.22
POL(Product)	2016-17	0.99	0.55	0	0.52	0.31	0.36	0.32	0.81	0.30	0.52	0.30	0.57	0.00
	2015-16	1.03	0.18	0	0.56	-	0.38	0.46	0.71	0.32	0.52	0.34	0.38	0.47
LPG	2016-17	-	0.47	-	0.39	0.25	-	0.33	0.34	0.25	-	0.24	0.37	0.00
	2015-16	-	0.18	-	0.43	-	-	0.36	1.17	0.30	-	0.29	0.33	2.36
Iron Ore	2016-17	0.00	1.11	N/A	1.11	0	-	0.00	-	0.23	1.78	-	-	0.00
	2015-16	0.00	0.42	0.88	0.88	0	-	0.65	-	0.30	1.48	-	-	0.39
Coking Coal	2016-17	0.72	0.87	N/A	0.36	-	-	0.00	-	0.27	0.36	-	-	0.00
	2015-16	1.29	0.23	0.91	0.82	-	-	0.83	-	0.29	0.44	-	-	0.42
Thermal Coal	2016-17	-	0.91	N/A	0.58	0.19	-	0.54	3.10	0.25	0.30	-	-	0.00
	2015-16	-	0.46	0.57	0.65	0.62	-	0.57	1.72	0.22	0.33	-	-	0.29
Fertilisers *	2016-17	2.98	2.79	N/A	1.28	-	1.31	1.21	0.96	0.48	0.42	-	4.95	0.00
	2015-16	2.91	1.51	0.00	1.32	-	1.19	1.47	2.58	1.04	1.05	-	5.40	0.30
FRM (Dry)	2016-17	1.41	-	-	-	-	-	-	-	-	-	-	-	-
	2015-16	1.13	-	-	-	-	-	1.11	-	-	-	-	-	-
Other Dry Bulk	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
	2015-16	2.04	0.44	0.89	0.74	-	0.92	0.93	0.51	0.35	0.68	0.22	2.35	0.40
Other Lqd. Bulk	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
	2015-16	0.70	0.18	-	0.46	0.27	0.38	0.47	0.19	0.27	0.29	0.27	0.36	0.35
General Cargo	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
	2015-16	1.24	0.46	0.75	0.90	0.13	0.82	1.00	0.62	0.75	0.71	0.11	1.64	0.44
Containers	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
	2015-16	0.36	0.17	0.36	0.13	-	0.20	0.00	0.13	0.20	0.19	0.07	1.21	0.27
<b>Total</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>
	<b>2015-16</b>	<b>0.65</b>	<b>0.28</b>	<b>0.51</b>	<b>0.57</b>	<b>0.43</b>	<b>0.45</b>	<b>0.45</b>	<b>0.30</b>	<b>0.33</b>	<b>0.53</b>	<b>0.12</b>	<b>0.73</b>	<b>0.37</b>

Source: Major Ports

\$ Excludes vessels engaged in lighterage operations of dry cargo at anchorages.

\* Fertiliser &amp; FRM DRY Enclosed

Excludes FRM and oil vessels handled mechanically in Paradip total

Table 2.1.25

## Commodity-wise Output per Ship Berth Day - 2015-16 &amp; 2016-17

(In Tonnes)

Port	Year	Kolkata Dock System <sup>§</sup>	Haldia Dock Complex	Paradip	Visakhapatnam	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)	2016-17	-	54339	138355	76527	-	54502	-	78587	73894	-	49620	76108	101994	
	2015-16	-	53890	131210	82105	-	54045	-	65055	73887	-	58091	75826	115245	
POL(Product)	2016-17	5812	17967	11018	13418	14359	7896	4531	15760	23889	13411	11562	10177	23040	
	2015-16	5464	18972	10161	13217	-	7978	5118	13762	22574	11893	9890	12049	27985	
LPG	2016-17	-	15559	-	13849	18340	-	5653	66106	5614	-	9176	6934	99540	
	2015-16	-	16546	-	12497	-	-	5587	58048	5027	-	8543	8580	2730	
Iron Ore	2016-17	-	28186	13733	29028	-	-	-	0	25311	13290	-	-	12727	
	2015-16	-	8528	10459	33991	-	-	20582	0	29796	13014	-	-	41032	
Coking Coal	2016-17	5045	18084	17149	23782	-	-	-	-	16658	27967	-	-	16948	
	2015-16	3741	13721	12752	24341	-	-	20683	-	20161	30882	-	-	21902	
Thermal Coal	2016-17	-	24696	52862	24268	29882	-	17751	32353	37499	29424	-	-	17248	
	2015-16	-	19086	39519	24710	37665	-	16343	17136	35479	36741	-	-	27441	
Fertilisers *	2016-17	952	2725	13095	7032	-	5800	12769	3688	7677	5039	-	2612	9852	
	2015-16	814	1958	13012	7668	-	6777	9611	5046	7184	5181	-	1618	14388	
FRM (Dry)	2016-17	2486	-	-	-	-	-	-	-	-	-	-	-	-	
	2015-16	-	-	-	-	-	-	14194	-	-	-	-	-	-	
Other Dry Bulk	2016-17	2332	15605	14403	12508	36300	9591	12736	5788	5916	15437	5320	4802	12118	
	2015-16	1593	7992	12206	14712	-	10840	9835	5750	6817	11429	4564	2868	13983	
Other Liquid Bulk	2016-17	4100	6338	-	10975	3171	4486	4320	4264	9180	12421	7385	8494	8110	
	2015-16	4472	5804	-	9219	13441	4577	4776	10725	8502	11812	6823	8342	9193	
General Cargo	2016-17	1066	4106	1701	2938	44339	4295	3077	968	3314	5048	318	4062	3694	
	2015-16	1144	4451	2166	3141	44339	4209	3124	1053	3022	4542	225	5249	4496	
Containers	2016-17	8114	14547	3418	22189	-	39253	24163	22335	7424	4202	1470	1485	5322	
	2015-16	9155	11958	4276	19409	-	33826	21018	19676	6907	3688	32516	4343	4415	
<b>Total</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>	
	<b>2015-16</b>	<b>3201</b>	<b>9126</b>	<b>26965</b>	<b>17179</b>	<b>31106</b>	<b>18976</b>	<b>13619</b>	<b>20962</b>	<b>16166</b>	<b>15381</b>	<b>23792</b>	<b>18020</b>	<b>16538</b>	

<sup>§</sup> Excludes vessels engaged in lighterage operations of dry cargo at anchorages.

\* Fertiliser & FRM Dry included

(a) Includes Pellets

(b) Includes NSICT also

(c) Includes NSICT & GTIPL also

Source: Major Ports

Table 2.1.26

**Average Pre-berthing Detention on Port & Non Port  
Account -Major Port-wise -2015-16 & 2016-17**

(In Days)

Port	2015-16			2016-17		
	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	0.50	0.09	0.41	0.57	0.03	0.54
Haldia Dock Complex	0.66	0.15	0.51	2.49	0.87	1.62
Paradip	2.05	0.20	1.85	2.47	0.58	1.89
Visakhapatnam	1.47	0.04	1.43	1.22	0.02	1.20
Kamarajar	4.73	0.00	4.73	0.96	0.00	0.96
Chennai	0.44	0.00	0.44	0.38	0.00	0.38
V.O. Chidambaranar	1.33	0.26	1.08	1.80	0.33	1.47
Cochin	0.66	0.06	0.60	0.48	0.00	0.48
New Mangalore	0.76	0.04	0.72	0.62	0.14	0.49
Mormugao	1.38	0.16	1.22	1.67	0.30	1.37
J.L.Nehru	1.17	0.36	0.81	0.77	0.27	0.50
Mumbai	1.27	0.24	1.02	0.46	0.07	0.39
Deendayal	1.98	0.15	1.83	2.02	0.09	1.93
<b>All Ports</b>	<b>1.31</b>	<b>0.16</b>	<b>1.16</b>	<b>1.27</b>	<b>0.22</b>	<b>1.05</b>

Source: Major Ports

Table 2.1.27

## Reason-wise, Major Port-wise Average Pre-berthing Detention - 2016-17

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	777	0.09	-	-	-	-	5.50	-	7.10	12.69
2.	Break Bulk	258	0.19	-	1.26	-	-	0.74	-	5.33	7.52
3.	Dry Bulk(C)	34	-	-	-	-	-	-	-	5.08	5.08
4.	Liquid Bulk	237	1.91	-	0.20	-	-	7.33	-	14.91	24.35
Total		1306	0.44	-	0.29	-	-	4.75	-	8.11	13.59
<b>Haldia Dock Complex</b>											
1.	Container	286	5.67	-	-	-	-	2.68	-	8.76	17.11
2.	Break Bulk	74	33.45	-	-	-	-	29.69	-	26.89	90.03
3.	Dry Bulk(M)	168	6.05	-	0.15	-	-	10.80	-	21.35	38.34
4.	Dry Bulk(C)	580	31.16	-	0.15	-	-	10.44	-	22.84	64.60
5.	Liquid Bulk	979	20.77	-	0.14	-	-	34.37	-	15.42	70.69
Total		2087	20.85	-	0.12	-	-	21.31	-	17.47	59.76
<b>Paradip</b>											
1.	Container	11	6.45	-	-	-	-	0.00	0.00	1.55	8.00
2.	Break Bulk	54	21.37	-	-	-	-	20.59	0.63	0.94	43.54
3.	Dry Bulk(M)	550	4.15	-	-	-	-	43.68	5.25	3.57	56.66
4.	Dry Bulk (C)	599	19.27	-	-	-	-	43.74	0.59	3.13	66.73
5.	Liquid Bulk	366	12.85	-	-	-	-	38.14	0.00	3.41	54.40
Total		1580	12.50	-	-	-	-	41.32	2.08	3.26	59.16
<b>Visakhapatnam</b>											
1.	Container	368	-	-	-	-	-	2.63	-	2.22	4.85
2.	Break Bulk	119	0.51	-	-	-	-	57.65	-	19.97	78.13
3.	Dry Bulk(M)	213	0.12	-	-	-	-	15.87	1.07	31.15	48.22
4.	Dry Bulk(C)	559	0.29	-	-	0.04	-	7.49	1.75	15.73	25.31
5.	Liquid Bulk	685	0.27	-	-	0.02	-	9.13	0.00	21.82	31.24
Total		1944	0.22	-	-	0.02	-	11.14	0.62	17.27	29.27

(M) Mechanised. (C) Conventional.

Table 2.1.27(Contd...)

## Reason-wise, Major Port-wise Average Pre-berthing Detention - 2016-17

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	4	-	-	-	-	-	-	-	-	-
2.	Break Bulk	156	-	-	0.02	-	-	14.94	-	-	14.96
3.	Dry Bulk(M)	375	-	-	0.02	-	-	13.59	-	-	13.61
4.	Dry Bulk(C)	-	-	-	-	-	-	-	-	-	-
5.	Liquid Bulk	266	-	-	0.03	-	-	41.71	-	-	41.73
6.	Other	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>801</b>	<b>-</b>	<b>-</b>	<b>0.02</b>	<b>-</b>	<b>-</b>	<b>23.12</b>	<b>-</b>	<b>-</b>	<b>23.15</b>
<b>Chennai</b>											
1.	Container	705	-	-	-	0.67	-	1.78	-	0.04	2.49
2.	Break Bulk	321	-	-	-	0.76	-	2.98	-	0.05	3.79
3.	Dry Bulk(M)	0	-	-	-	-	-	-	-	-	-
4.	Dry Bulk(C)	172	-	-	-	1.17	-	9.62	-	0.66	11.45
5.	Liquid Bulk	402	0.01	-	-	0.86	-	25.44	-	1.06	27.36
	<b>Total</b>	<b>1600</b>	<b>0.00</b>	<b>-</b>	<b>-</b>	<b>0.79</b>	<b>-</b>	<b>8.81</b>	<b>-</b>	<b>0.36</b>	<b>9.96</b>
<b>V.O. Chidambaranar</b>											
1.	Container	534	0.01	-	-	-	-	0.22	-	0.00	0.23
2.	Break Bulk	408	0.39	-	-	-	-	0.89	-	0.47	1.74
3.	Dry Bulk(M)	170	0.31	-	-	-	-	3.96	-	0.43	4.69
4.	Dry Bulk(C)	346	0.78	-	-	-	-	1.86	-	0.76	3.40
5.	Liquid Bulk	204	0.36	-	-	-	-	0.33	-	0.20	0.89
	<b>Total</b>	<b>1662</b>	<b>0.33</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.12</b>	<b>-</b>	<b>0.34</b>	<b>1.80</b>
<b>Cochin</b>											
1.	Container	696	-	-	-	-	-	0.99	-	5.26	6.25
2.	Break Bulk	31	-	-	-	-	-	0.52	-	3.01	3.53
3.	Dry Bulk(M)	80	-	-	-	-	-	2.92	-	10.73	13.65
4.	Dry Bulk(C)	20	-	-	-	-	-	0.00	-	6.53	6.53
5.	Liquid Bulk	389	-	-	-	-	-	7.80	-	13.26	21.06
	<b>Total</b>	<b>1216</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3.27</b>	<b>-</b>	<b>8.14</b>	<b>11.41</b>

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

Table 2.1.27(Contd...)

## Reason-wise, Major Port-wise Average Pre-berthing Detention - 2016-17

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	217	-	-	-	-	-	1.88	-	0.22	2.10
2.	Break Bulk	108	-	-	-	-	-	3.06	-	0.22	3.29
3.	Dry Bulk(M)	129	0.24	-	-	-	-	9.85	-	0.15	10.24
4.	Dry Bulk(C)	164	-	-	-	-	-	11.43	-	0.11	11.54
5.	Liquid Bulk	799	5.78	-	-	-	-	13.75	1.93	0.08	21.55
Total		1417	3.28	-	-	-	-	10.50	1.09	0.12	14.99
<b>Mormugao</b>											
1.	Container	110	3.49	-	-	-	-	0.58	-	1.65	5.72
2.	Break Bulk	106	22.42	-	-	-	-	21.56	1.58	3.63	49.19
3.	Dry Bulk(M)	254	0.67	-	-	-	-	78.64	0.00	0.51	79.82
4.	Dry Bulk(C)	155	8.83	-	-	-	-	1.75	1.25	1.72	13.55
5.	Liquid Bulk	135	9.12	-	-	-	-	0.82	-	7.06	17.00
Total		760	7.28	-	-	-	-	29.88	0.48	2.52	40.15
<b>J.L.Nehru</b>											
1.	Container	1912	1.25	0.00	0.01	0.05	0.10	0.03	-	5.43	6.87
2.	Break Bulk	141	1.64	-	0.02	0.00	0.03	-	-	13.92	15.60
3.	Dry Bulk(C)	43	18.90	-	0.06	0.00	-	-	-	18.45	37.41
4.	Liquid Bulk	624	21.52	0.00	0.00	0.02	0.29	-	-	30.72	52.56
Total		2720	6.20	0.00	0.01	0.04	0.14	0.03	-	11.88	18.30
<b>Mumbai</b>											
1.	Container	1	-	-	-	-	-	-	-	3.38	3.38
2.	Break Bulk	527	0.17	-	-	-	-	-	-	10.15	10.32
3.	Dry Bulk(C)	374	-	-	-	-	-	-	-	12.20	12.20
4.	Liquid Bulk	1092	2.85	0.00	-	0.04	-	-	-	7.94	10.84
Total		1994	1.61	0.00	-	0.02	-	-	-	9.32	10.95
<b>Deendayal</b>											
1.	Container	27	-	-	-	-	-	-	-	-	0.00
2.	Break Bulk	326	-	-	-	-	-	-	-	-	0.00
3.	Dry Bulk(M)	59	-	-	-	-	-	-	-	-	0.00
4.	Dry Bulk(C)	562	-	-	-	-	-	-	-	-	0.00
5.	Liquid Bulk	1594	-	-	-	-	-	-	-	-	0.00
Total		2568	-	-	-	-	-	-	-	-	0.00

P- Provisional (C) Conventional.

Source: Major Ports

(M) Mechanised. (C) Conventional.

Table 2.1.28

## Average Berth Occupancy For Major-Ports-2003-04 to 2016-17

Port	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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DEENDAYAL	69.8	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
MUMBAI	57.5	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
J.L. NEHRU	53.2	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
MORMUGAO	65.5	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
NEW MANGALORE	33.3	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
COCHIN	63.3	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
V.O. CHIDAMBARANAR	54.8	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
CHENNAI	57.1	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
KAMARAJAR	39.3	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
VISAKHAPATNAM	65.1	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
PARADIP	52.6	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
HALDIA DOCK COMPLEX	60.8	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
KOLKATA DOCK SYSTEM	41.8	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

Source:-Major Ports



**Table  
2.1.29**

**Performance of Cargo Handling Equipments of Major Ports -  
2014-15, 2015-16 & 2016-17**

( In Percen

Sl. No.	Name Of The Port	Equipment	2014-15		2015-16		2016-17	
			% Avail-ability	% Utili-sation	% Avail-ability	% Utili-sation	% Avail-ability	% Utili-sation
1	2	3	8	9	8	9	8	9
1.	<b>Deendayal</b>	Wharf Crane	80	45	90	38	76	38
		Mobile Crane	-	-	64	34	64	35
		Forklift Truck	87	44	82	39	88	46
2.	<b>Mumbai</b>	Wharf Crane	84	20	93	14	73	11
		Mobile Crane	-	-	86	8	56	44
		Forklift Truck	94	10	71	11	61	39
3.	<b>Mormugao</b>	Wharf Crane	-	-	-	-	-	-
		Mobile Crane	95	62	90	57	89	62
		Forklift Truck	-	-	-	-	-	-
4.	<b>N.Mangalore</b>	Wharf Crane	-	-	-	-	-	-
		Mobile Crane	97	2	97	18	96	21
		Forklift Truck	89	6	77	10	91	6
5.	<b>Cochin</b>	Wharf Crane	-	-	-	-	-	-
		Mobile Crane	92	6	93	4	93	6
		Forklift Truck	85	33	90	33	91	28
6.	<b>V.O. Chidambaranar</b>	Wharf Crane	99	17	99	16	99	19
		Mobile Crane	-	-	-	-	-	-
		Forklift Truck	-	-	-	-	-	-
7.	<b>Chennai</b>	Wharf Crane	100	3	98	2	98	4
		Mobile Crane	99	49	99	36	0	0
		Forklift Truck	98	73	98	54	0	0
8.	<b>Visakhapatanan</b>	Wharf Crane	-	-	98	22	99	17
		Mobile Crane	-	-	-	-	-	-
		Forklift Truck	-	-	100	92	100	94
9.	<b>Paradip</b>	Wharf Crane	72	1	-	-	-	-
		Mobile Crane	-	-	77	61	97	88
		Forklift Truck	-	-	-	-	-	-
10.	<b>Kolkata Dock System</b>	Wharf Crane	94	10	76	2	80	2
		Mobile Crane	91	39	94	38	91	18
		Forklift Truck	97	39	98	44	98	25
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 2.1.30

## Availability And Utilisation Of Container Handling Equipments - Major Ports - 2015-16 &amp; 2016-17

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	2015-16	-	-	-	-	1	-	-	-
	2016-17	-	-	-	-	2	-	-	-
Haldia Dock Complex	2015-16	-	-	-	-	4	72.8	93.3	67.9
	2016-17	-	-	-	-	4	92.1	26.3	24.3
Paradip	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Visakhapatnam	2015-16	4	-	-	-	6	-	-	-
	2016-17	4	-	-	-	6	-	-	-
Chennai	2015-16	7	94.0	58.0	55.0	22	94.0	82.0	77.0
	2016-17	7	95.0	40.0	38.0	22	97.0	48.0	47.0
V.O. Chidamabaranar	2015-16	3	87.0	72.0	63.0	8	87.0	90.0	79.0
	2016-17	3	86.0	76.0	65.0	8	88.0	87.0	76.0
Cochin	2015-16	4	89.9	38.9	34.9	15	92.1	52.7	48.5
	2016-17	4	94.0	42.3	39.8	15	96.0	50.4	48.4
New Mangalore	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Mormugao	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
J.L.Nehru(a)	2015-16	9	90.0	60.1	54.1	18	96.2	59.5	57.3
	2016-17	12	93.5	55.1	51.5	18	97.9	45.7	44.8
Mumbai	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Deendayal	2015-16	-	-	-	-	-	-	-	-
	2016-17	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 2.1.30  
(Contd.)**

**Availability And Utilisation Of Container Handling Equipments - Major Ports - 2015-16 & 2016-17**

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	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Haldia Dock Complex	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Paradip	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Visakhapatnam	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Chennai	2015-16	-	-	-	-	1	-	-	-
	2016-17	1	-	-	-	1	-	-	-
V.O. Chidambaranar	2015-16	12	89.0	65.0	57.0	-	-	-	-
	2016-17	12	92.0	46.3	42.6	-	-	-	-
Cochin	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
New Mangalore	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Mormugao	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
J.L.Nehru(a)	2015-16	20	92.2	79.3	73.1	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Mumbai	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Deendayal	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-

(a) :Relates to JNPT only.

**Table 2.1.30  
(Contd.)**

**Availability And Utilisation Of Container Handling Equipments - Major Ports - 2015-16 & 2016-17**

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	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Haldia Dock Complex	2015-16	2	78.8	29.8	23.5	-	-	-	-
	2016-17	2	92.0	40.3	37.1	-	-	-	-
Paradip	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Visakhapatnam	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Chennai	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
V.O. Chidamabaranar	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Cochin	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
New Mangalore	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Mormugao	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
J.L.Nehru(a)	2015-16	5	94.1	45.2	42.5	-	-	-	-
	2016-17	5	92.2	55.0	50.8	-	-	-	-
Mumbai	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Deendayal	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-

(a) :Relates to JNPCT.

**Table 2.1.30  
(Contd.)**

**Availability And Utilisation Of Container Handling Equipments - Major Ports - 2015-16 & 2016-17**

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
Kolkata Dock System	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Haldia Dock Complex	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Paradip	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Visakhapatnam	2015-16	-	-	-	-	6	-	-	-
	2016-17	-	-	-	-	6	-	-	-
Chennai	2015-16	4	-	-	-	1	-	-	-
	2016-17	4	-	-	-	1	-	-	-
V.O. Chidamabaranar	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	2	89	40.8	36.3
Cochin	2015-16	-	-	-	-	3	93.7	13.3	12.5
	2016-17	2	97.5	0.5	51.3	3	98.3	14.0	13.8
New Mangalore	2015-16	1	73.8	16.6	12.2	3	93.1	70.0	65.1
	2016-17	-	-	-	-	-	-	-	-
Mormugao	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
J.L.Nehru(a)	2015-16	-	-	-	-	3.0	98.7	0.0	0.0
	2016-17	-	-	-	-	-	-	-	-
Mumbai	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-
Deendayal	2015-16	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-

(a) Relates to JNPCT.  
Source: Major Ports

Table 2.1.31

## Container Handling Rate - Major Ports -2015-16 &amp; 2016-17

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.
		3	4	5	6	7	8	9	10	11
Kolkata Dock System	2015-16	-	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-	-
Haldia Dock Complex	2015-16	-	-	-	70.2	6.1	20.5	67.8	6.6	20.5
	2016-17	-	-	-	59.7	8.4	20.9	73.7	5.5	20.7
Paradip	2015-16	-	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-	-
Vishakhapatnam	2015-16	-	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-	-
Chennai( CITL)	2015-16	11.7	21.3	24.1	-	-	-	3.9	9.4	17.7
	2016-17	0.0	23.7	23.7	-	-	-	0.0	14.7	14.7
V.O. Chidamabaranar	2015-16	1.3	20.4	20.7	...	...	...	0.9	11.8	11.9
	2016-17	1.1	20.5	20.7	...	...	...	0.7	12.6	12.7
Cochin	2015-16	0.0	26.8	26.8	-	-	-	0.0	9.4	9.4
	2016-17	32.5	27.8	41.2	-	-	-	6.1	10.7	11.4
New Mangalore	2015-16	-	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-	-
Mormugao	2015-16	-	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-	-
J.L.Nehru(a)	2015-16	25.5	19.7	24.2	40.9	14.2	15.6	41.5	8.4	10.6
	2016-17	44.9	11.3	20.4	45.0	3.6	6.5	54.3	5.3	11.6
Mumbai	2015-16	-	-	-	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-	-	-	-
Deendayal	2015-16	-	-	-	-	-	-	-	-	-
	2016-17	58.7	19.5	25.0	-	-	-	-	-	-

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.

Cochin not received from BOT Operator M/s IGTP

Source: Major Ports

Table 2.1.32

## Major Ports-Capacity and Utilisation - 2016-17

(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.	9.10	0.00	0.00	0.00	7.25	9.86	26.21
	% Util.	9.95	-	-	-	83.01	100.27	64.14
HDC	Cap.	18.00	6.00	10.00	0.00	31.89	4.00	69.89
	% Util.	26.48	19.33	18.18	-	75.04	61.68	48.85
PPT	Cap.	54.50	6.39	32.00	8.00	42.55	0.00	143.44
	% Util.	50.82	160.41	80.77	50.80	49.60	-	62.02
VPT	Cap.	27.49	12.50	0.00	1.87	62.69	6.20	110.75
	% Util.	47.48	92.96	-	142.46	43.48	103.68	55.10
KPL(a)	Cap.	4.00	6.00	32.00	0.00	5.00	10.00	57.00
	% Util.	66.20	0.00	71.93	-	87.08	0.01	52.67
ChPT	Cap.	17.67	8.00	0.00	0.00	22.92	44.85	93.44
	% Util.	69.13	0.00	-	-	38.74	64.33	53.74
VOC	Cap.	3.15	0.00	26.82	0.00	28.70	7.23	65.90
	% Util.	13.90	-	40.36	-	43.79	179.68	58.37
CoPT	Cap.	30.26	0.00	0.00	1.13	12.68	12.50	56.57
	% Util.	52.02	-	-	22.30	17.15	54.72	44.21
NMPT	Cap.	49.17	7.50	7.67	0.00	23.29	0.00	87.63
	% Util.	46.84	39.29	46.06	-	36.60	-	45.57
MoPT	Cap.	1.50	27.50	8.94	0.00	12.10	0.00	50.04
	% Util.	41.80	54.74	28.12	-	120.54	-	66.31
JNPT	Cap.	6.50	0.00	0.00	0.00	0.90	81.97	89.37
	% Util.	58.91	-	-	-	421.33	66.52	69.54
MbPT	Cap.	44.50	0.00	0.00	0.00	20.83	0.00	65.33
	% Util.	80.36	-	-	-	131.39	-	96.63
DPT	Cap.	89.02	0.00	0.00	2.00	52.04	7.20	150.26
	% Util.	66.86	-	-	182.25	50.56	2.43	70.17
ALL PORTS	Cap.	354.86	73.89	117.43	13.00	322.84	183.81	1065.83
	% Util.	56.42	56.52	70.35	100.17	57.88	67.45	60.84

1. Partial capacity of 2.30MT has been considered at the offshore container terminal of Mumbai Port.

2. Partial capacity of 2.23MT has been considered at the berth no. 8 container terminal of VOC Port.

3. One berth with 400m length container terminal capacity (phase 1) at KPL, Ennore taken into account during 2016-17.

4. Breakup of POL capacity at Kandla Port OJ- 1-6: 16.11MT, Essar berth 12.26MT, IOC 2SBMs, 39.90MT, Essar SBM 19.95MT, anchorages 0.8 thus totalling 89.02MT.

5. Break up cargo capacities of NMPT berths namely berth 1-7, GCB & berth 12 are 0.64MT, 2.56MT, 2.56MT, 1.84MT, 1.84MT, 1.84MT, 1.92MT, 4.09MT and 6MT thus totalling 23.29MTPA.

Source : Development wing D/o Shipping & Major Ports.

**Table 2.1.33 Employment At Major Ports (As on 31st March, 2017)**

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			
DPT	87	58	1081	749	0	0	0	214	557	2746
MbPT	302	26	3595	2406	0	509	1427	1180	0	9445
JNPT	188	46	451	94	0	836	0	0	0	1615
MoPT(a)	106	73	988	352	0	304	131	0	0	1954
NMPT (b)	77	84	117	66	281	27	4	291	0	947
CoPT	110	99	292	131	982	135	150	0	0	1899
VOC	75	45	62	110	282	230	196	0	0	1000
ChPT	158	116	2191	999	11	476	363	283	0	4597
KPL	44	19	23	17	0	0	0	0	0	103
VPT	135	104	454	638	223	1094	232	0	0	2880
PPT	107	57	432	228	0	26	372	0	0	1222
KDS	416	111	1623	659	0	272	17	211	0	3309
HDC	192	82	113	154	183	740	547	0	0	2011
<b>Total</b>	<b>1997</b>	<b>920</b>	<b>11422</b>	<b>6603</b>	<b>1962</b>	<b>4649</b>	<b>3439</b>	<b>2179</b>	<b>557</b>	<b>33728</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 2.1.34 Employment At Dock Labour Boards of Major Ports (As on 31st March, 2016)**

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
DPT	1	0	13	5	19	571			3	574	593
VPT	4	2	53	33	92	706	-	-	-	706	798
KDS	10	8	35	1	54	62	0	0	0	62	116
MbPT	BDLB merged with Mumbai Port Trust										
<b>All DLBs</b>	<b>15</b>	<b>10</b>	<b>101</b>	<b>39</b>	<b>165</b>	<b>1339</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>1342</b>	<b>1507</b>



Table 2.1.35

## Mandays Employed and Mandays Lost at Major Ports : 2014-2017 (31st Mar

Port	2014		2015		2016		2017	
	Mandays		Mandays		Mandays		Mandays	
	Employed(a)	Lost(b)	Employed(a)	Lost(b)	Employed(a)	Lost(b)	Employed(a)	Lost(b)
1	4	5	6	7	8	9	10	11
DPT	1204	0.0	1136	0.0	1052	0.0	1002	0.0
MbPT	4386	0.0	4386	0.0	3639	1.9	3447	0.5
MoPT	850	0.0	801	0.2	755	0.2	584	0.0
NMPT	486	0.0	458	2.7	411	2.7	346	0.0
CoPT	923	0.0	842	0.0	754	1.9	691	2.6
VOC	601	0.0	546	0.0	499	0.0	365	0.0
KPL	37	0.0	37	0.0	37	0.0	38	0.0
ChPT	2187	0.1	2093	0.0	2008	0.0	1678	0.0
VPT	1717	0.2	1678	0.0	1518	0.0	1342	0.3
PPT	735	0.0	646	0.0	531	0.0	446	1.2
KDS	1644	0.0	1515	0.0	1384	0.0	1250	0.0
HDC	977	0.0	896	0.0	800	0.3	734	0.1
JNPT	619	0.0	609	0.0	598	0.0	589	0.0
<b>TOTAL</b>	<b>16368</b>	<b>2.1</b>	<b>15643</b>	<b>0.1</b>	<b>13986</b>	<b>0.1</b>	<b>12861</b>	<b>0.4</b>

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

(b): Mandays lost per 1000 Mandays employed

Source: Major Port

**Table 2.1.36 Capital Employed at Major Ports - during 2016-17****(Rs. Crore)**

<b>S.No.</b>	<b>Port</b>	<b>Capital Employed</b>
<b>1</b>	<b>2</b>	<b>3</b>
1	DEENDAYAL	2563.20
2	MUMBAI	970.08
3	J. L. NEHRU	3603.38
4	MORMUGAO	547.42
5	NEW MANGALORE	1080.51
6	COCHIN	-126.16
7	V.O.Chidambaranar	1197.54
8	CHENNAI	1319.56
9	KAMARAJAR	2516.40
10	VISAKHAPATNAM	1264.10
11	PARADIP	2101.25
12	HALDIA DOCK COMPLEX	1427.00
13	KOLKATA DOCK SYSTEM	1363.71

Source: Major Ports

Table 2.1.37

## Operating Expenditure Under Various Heads - Major Ports - 2015-16 &amp; 2016-17

(Rs. Crore)

Port	Salaries & Wages		Stores		Office & Administrative Security & Medical		Depreciation		Operation & Maintenance		Other Exp		Total	
	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>Kolkata</b>	501.18 (35.9)	484.65 (34.7)	11.59 (.83)	8.52 (.61)	144.66 (10.36)	160.33 (11.48)	49.23 (3.52)	41.69 (2.98)	660.13 (47.26)	668.25 (47.84)	31.81 (2.28)	33.30 (2.38)	1398.60 (100.)	1396.74 (100.)
<b>HDC</b>	218.61 (26.11)	218.56 (26.11)	9.31 (1.11)	7.03 (.84)	61.90 (7.39)	68.52 (8.18)	23.81 (2.84)	24.42 (2.92)	484.92 (57.92)	498.60 (59.55)	18.60 (2.22)	20.09 (2.4)	817.15 (100.)	837.22 (100.)
<b>Paradip</b>	120.66 (19.77)	130.14 (21.33)	31.14 (5.1)	34.33 (5.63)	44.01 (7.21)	54.07 (8.86)	60.52 (9.92)	60.23 (9.87)	255.13 (41.81)	264.62 (43.37)	63.96 (10.48)	66.81 (10.95)	575.42 (100.)	610.20 (100.)
<b>Visakhapatnam</b>	275.92 (51.9)	282.74 (53.18)	31.65 (5.95)	26.52 (4.99)	102.16 (19.22)	105.35 (19.82)	41.49 (7.8)	42.72 (8.04)	45.27 (8.51)	40.65 (7.65)	55.19 (10.38)	33.68 (6.33)	551.68 (100.)	531.66 (100.)
<b>Chennai</b>	385.48 (69.05)	370.02 (66.28)	15.68 (2.81)	18.99 (3.4)	54.20 (9.71)	56.33 (10.09)	29.05 (5.2)	28.57 (5.12)	49.98 (8.95)	53.12 (9.52)	27.82 (4.98)	31.20 (5.59)	562.21 (100.)	558.23 (100.)
<b>V.O.Chidambaranar</b>	114.35 (46.13)	107.84 (43.5)	9.85 (3.97)	13.46 (5.43)	28.43 (11.47)	31.06 (12.53)	23.94 (9.66)	25.67 (10.35)	19.54 (7.88)	25.84 (10.42)	43.43 (17.52)	44.04 (17.76)	239.54 (100.)	247.91 (100.)
<b>Cochin</b>	142.52 (38.67)	142.66 (38.71)	14.41 (3.91)	15.99 (4.34)	30.42 (8.25)	30.47 (8.27)	20.90 (5.67)	20.65 (5.6)	135.00 (36.63)	134.35 (36.46)	23.11 (6.27)	24.39 (6.62)	366.36 (100.)	368.51 (100.)
<b>New Mangalore</b>	88.20 (31.94)	113.19 (40.99)	12.37 (4.48)	12.74 (4.61)	39.51 (14.31)	40.61 (14.71)	29.14 (10.55)	31.55 (11.43)	71.19 (25.78)	72.81 (26.37)	7.50 (2.72)	5.22 (1.89)	247.91 (100.)	276.12 (100.)
<b>Mormugao</b>	126.78 (47.31)	138.49 (51.68)	7.01 (2.62)	11.43 (4.27)	27.60 (10.3)	29.96 (11.18)	19.27 (7.2)	38.25 (14.3)	53.57 (19.99)	45.21 (16.87)	5.00 (1.87)	4.64 (1.73)	239.23 (100.)	267.98 (100.)
<b>Mumbai</b>	774.23 (69.65)	799.10 (71.88)	23.13 (2.08)	24.06 (2.16)	79.63 (7.16)	78.19 (7.03)	54.23 (4.88)	54.50 (4.9)	118.09 (10.62)	132.11 (11.88)	26.38 (2.37)	23.71 (2.13)	1075.69 (100.)	1111.67 (100.)
<b>J. L. Nehru</b>	197.88 (24.58)	245.97 (30.56)	7.50 (.93)	9.00 (1.12)	80.32 (9.98)	93.55 (11.62)	69.79 (8.67)	71.06 (8.83)	91.23 (11.33)	169.71 (21.08)	246.39 (30.61)	215.67 (26.79)	693.11 (100.)	804.96 (100.)
<b>Deendayal</b>	243.11 (36.9)	236.41 (35.89)	8.13 (1.23)	10.07 (1.53)	52.87 (8.03)	62.95 (9.56)	65.35 (9.92)	73.69 (11.19)	123.44 (18.74)	138.66 (21.05)	128.68 (19.53)	136.99 (20.8)	621.58 (100.)	658.77 (100.)
<b>Kamarjar</b>	8.11 (5.44)	9.36 (6.27)	0.00 (.)	0.00 (.)	29.62 (19.85)	48.35 (32.41)	19.08 (12.79)	21.89 (14.67)	63.93 (42.85)	65.28 (43.75)	4.14 (2.77)	4.32 (2.9)	124.88 (100.)	149.20 (100.)
<b>Total</b>	<b>3197.03</b> <b>(40.89)</b>	<b>3279.13</b> <b>(41.94)</b>	<b>181.77</b> <b>(2.32)</b>	<b>192.14</b> <b>(2.46)</b>	<b>775.33</b> <b>(9.92)</b>	<b>859.74</b> <b>(11.)</b>	<b>505.80</b> <b>(6.47)</b>	<b>534.89</b> <b>(6.84)</b>	<b>2171.42</b> <b>(27.77)</b>	<b>2309.21</b> <b>(29.53)</b>	<b>682.01</b> <b>(8.72)</b>	<b>644.06</b> <b>(8.24)</b>	<b>7513.36</b> <b>(100.00)</b>	<b>7819.17</b> <b>(100.00)</b>

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

Source : Major Ports

Table 2.1.38

**Operating Financial Parameters Per Tonne Of Cargo  
Handled at Major Ports : 2014-15, 2015-16 & 2016-17**

(Rs.)

Port	Operating Income			Operating Expenditure			Surplus/Deficit Per Tonne		
	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10
DEENDAYAL	95.65	98.75	131.18	67.09	62.50	62.48	28.55	36.25	68.70
MUMBAI	227.02	241.85	234.09	173.22	176.00	176.09	53.79	65.85	58.00
J. L. NEHRU	231.32	260.06	273.68	106.22	108.25	129.52	125.10	151.81	144.17
MORMUGAO	194.92	165.02	133.69	167.87	115.20	80.76	27.05	49.83	52.92
NEW MANGALORE	103.98	102.50	113.81	66.78	69.67	70.83	37.20	32.83	42.98
COCHIN	178.66	197.90	198.44	169.61	165.81	147.36	9.05	32.09	51.07
V.O.CHIDAMBARANAR	144.02	149.53	155.46	70.69	65.01	64.45	73.34	84.52	91.00
CHENNAI	132.99	151.57	154.43	107.50	112.31	111.17	25.49	39.26	43.25
KAMARAJAR	187.25	191.68	206.58	19.43	37.92	49.70	167.82	153.76	156.88
VISAKHAPATNAM	136.65	159.12	150.37	97.49	96.73	87.13	39.16	62.39	63.25
PARADIP	129.69	134.04	128.96	77.40	75.33	68.59	52.29	58.71	60.36
HALDIA DOCK COMPLEX	379.43	324.89	356.57	275.64	238.75	240.02	103.79	86.14	116.55
KOLKATA DOCK SYSTEM	390.61	460.61	430.34	349.50	356.70	343.43	41.11	103.91	86.91
<b>All Major Ports</b>	<b>172.57</b>	<b>181.39</b>	<b>184.36</b>	<b>113.20</b>	<b>110.48</b>	<b>107.77</b>	<b>59.38</b>	<b>70.91</b>	<b>76.59</b>

Table 2.2.1

## Traffic Handled at Non-Major Ports (State-wise &amp; Port-wise) - 2014-15, 2015-16 &amp; 2016-17

('000 Tonnes)

States/U.T.	2014-15						2015-16						2016-17					
	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	5194	3388	8582	0	3	3	4216	4132	8348	0	0	0	4817	1400	6217	60	0	60
Bhavnagar	1888	0	1888	0	10	10	2425	0	2425	0	0	0	2014	0	2014	0	0	0
Dahej	26006	220	26226	629	232	861	22983	498	23481	1300	133	1433	23992	352	24344	2054	170	2224
GAPL	79131	20487	99618	5787	451	6238	78172	21596	99768	3130	576	3706	77130	23922	101052	2957	538	3495
GPPL	7733	3281	11014	10	60	70	6242	2882	9124	0	0	0	5973	2463	8436	0	0	0
Jafrabad	320	766	1086	0	2667	2667	498	777	1275	0	2419	2419	1086	1080	2166	0	2517	2517
Magdalla	9027	1724	10751	9340	381	9721	9064	1502	10566	10265	830	11095	8610	1569	10179	13656	1958	15614
Mul-Dwarka	621	281	902	0	2361	2361	280	46	326	0	2829	2829	455	70	525	0	2668	2668
Navalakh	6622	637	7259	22	0	22	6185	449	6634	131	0	131	6142	984	7126	85	36	121
Okha	1768	2690	4458	0	11	11	1880	2873	4753	16	273	289	1620	1599	3219	1002	19	1021
Porbandar	775	1458	2233	0	90	90	803	2123	2926	0	81	81	1029	687	1716	0	196	196
Sikka	72769	42528	115297	648	8437	9085	74934	41595	116529	581	10417	10998	75386	40985	116371	181	10034	10215
HPPL	2984	0	2984	0	0	0	3489	0	3489	0	0	0	3495	0	3495	0	0	0
Veraval	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mundra (Old)	3	90	93	0	0	0	2	84	86	0	0	0	7	20	27	0	0	0
Jakhau	386	2452	2838	0	130	130	607	2174	2781	0	161	161	333	2391	2724	0	341	341
Others	7863	1733	9596	1	0	1	11613	2484	14097	26	2	28	12987	4665	17652	3	1	4
<b>TOTAL</b>	<b>223090</b>	<b>81735</b>	<b>304825</b>	<b>16437</b>	<b>14833</b>	<b>31270</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>MAHARASHTRA</b>																		
Dabhol	1193	55	1248	-	-	0	3215	0	3215	0	0	0	2059	0	2059	0	0	0
Dahanu	-	-	0	524	-	524	0	0	0	467	0	467	0	0	0	57	0	57
Dharamtar	5898	74	5972	4136	59	4195	6723	47	6770	3100	16	3116	11812	0	11812	2396	74	2470
Ratnagiri	526	-	526	274	-	274	439	0	439	273	0	273	484	0	484	242	0	242
Revdanda	592	52	644	467	33	500	1309	0	1309	2	33	35	804	43	847	520	28	548
Ulwa-Belapur	-	-	0	1622	1	1623	0	0	0	1607	12	1619	0	0	0	1531	136	1667
Jaigad	5899	1257	7156	0	1529	1529	6097	290	6387	31	1823	1854	8255	243	8498	2	3971	3973
Redi	1100	413	1513	0	0	0	1341	1341	2682	0	0	0	888	888	1776	0	0	0
Dighi (Rajpuri)	626	183	809	27	36	63	403	187	590	192	3	195	430	46	476	360	190	550
Kelshi	0	548	548	-	-	0	503	351	854	52	0	52	0	0	0	0	78	78
Trombay	0	0	0	0	7	7	0	0	0	0	11	11	0	0	0	0	3	3
Others	66	41	107	0	57	57	59	103	162	2	158	160	53	183	236	5	1	6
<b>TOTAL</b>	<b>15900</b>	<b>2623</b>	<b>18523</b>	<b>7050</b>	<b>1722</b>	<b>8772</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>GOA</b>																		
Panaji	412	347	759	1	0	1	170	260	430	0	0	0	0	0	0	15	102	117
<b>TOTAL</b>	<b>412</b>	<b>347</b>	<b>759</b>	<b>1</b>	<b>0</b>	<b>1</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>

**Table 2.2.1(Contd...) Traffic Handled at Non-Major Ports ( State-wise & Port-wise) - 2014-15, 2015-16 & 2016-17**

(’000 Tonnes)

States/U.T.	2014-15						2015-16						2016-17					
	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	-	2659	2659	-	37	37	0	2018	2018	0	55	55	0	1914	1914	0	48	48
Deep Water Port	13479	1781	15260	2587	115	2702	8887	3319	12206	2742	19	2761	7210	3623	10833	1589	63	1652
Rawa	-	-	0	-	1276	1276	0	0	0	0	1299	1299	0	0	0	0	1010	1010
Krishnapatnam	33347	2610	35957	3784	1000	4784	26812	2393	29205	5663	181	5844	24979	4468	29447	6581	78	6659
Gangavaram	19760	453	20213	0	530	530	19075	0	19075	0	270	270	15219	1269	16488	272	1280	1552
<b>TOTAL</b>	<b>66586</b>	<b>7503</b>	<b>74089</b>	<b>6371</b>	<b>2958</b>	<b>9329</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>KARNATAKA</b>																		
Karwar	252	188	440	85	-	85	285	268	553	161	0	161	295	78	373	209	0	209
Old Mangalore	0	-	0	10	113	123	0	0	0	10	109	119	0	0	0	10	111	121
Malpe	-	-	0	0	1	1	0	0	0	1	0	1	0	0	0	1	0	1
Hangarkatta	-	-	0	-	1	1	0	0	0	0	1	1	0	0	0	0	1	1
Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
<b>TOTAL</b>	<b>252</b>	<b>188</b>	<b>440</b>	<b>96</b>	<b>115</b>	<b>211</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>KERALA</b>																		
Kozikode/Beyypore	-	-	0	34	93	127	0	2	2	19	105	124	0	1	1	16	112	128
Kovalam/Vizhinjam	-	7	7	-	0	0	0	8	8	0	0	0	0	6	6	3	0	3
Others	0	-	0	22	3	25	6	0	6	3	1	4	3	0	3	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>56</b>	<b>96</b>	<b>152</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>TAMIL NADU</b>																		
Ennore	58	-	58	-	-	0	30	-	30	0	0	0	36	-	36	0	0	0
Kattupali	-	-	0	-	-	0	0	0	0	0	0	0	259	29	288	167	39	206
Nagapattinam	-	4	4	-	218	218	30	0	30	3	266	269	34	0	34	25	238	263
Thrukkadaiyur	-	-	0	197	2	199	-	-	0	25	0	25	0	0	0	40	0	40
Cuddalore	234	-	234	-	1	1	258	-	258	-	1	1	283	0	283	0	2	2
Others	0	1	1	110	0	110	106	15	121	117	5	122	0	0	0	0	0	0
<b>TOTAL</b>	<b>292</b>	<b>5</b>	<b>297</b>	<b>307</b>	<b>221</b>	<b>528</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>PUDUCHERRY</b>																		
Karaikal	4499	89	4588	322	48	370	5569	138	5707	267	0	267	7638	26	7664	763	685	1448
<b>TOTAL</b>	<b>4499</b>	<b>89</b>	<b>4588</b>	<b>322</b>	<b>48</b>	<b>370</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>ODISHA</b>																		
Dhamra	14051	99	14150	0	1302	1302	13891	395	14286	0	419	419	14296	3265	17561	0	3861	3861
Gopalpur	0	0	0	0	0	0	0	181	181	63	0	63	215	742	957	69	25	94
<b>TOTAL</b>	<b>14051</b>	<b>99</b>	<b>14150</b>	<b>0</b>	<b>1302</b>	<b>1302</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>SEA ISLANDS</b>																		
Andaman Nicobar	17	-	17	874	265	1139	45	-	45	999	279	1278	48	-	48	939	289	1228
Lakshadweep	-	-	0	115	4	119	-	-	0	-	-	0	-	-	0	-	-	0
<b>TOTAL</b>	<b>17</b>	<b>0</b>	<b>17</b>	<b>989</b>	<b>269</b>	<b>1258</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>All States TOTAL</b>	<b>325099</b>	<b>92596</b>	<b>417695</b>	<b>31629</b>	<b>21564</b>	<b>53193</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>

Note : The cargo data of GAPL & GPPL for 2014-15, 2015-16 & 2016-17 include containers.

Source : State / UT Maritime Boards

**Traffic Handled at Non-Major Ports (State-wise & Principal Commodity-wise) - 2014-15, 2015-16 & 2016-17**

**Table 2.2.2**

('000 Tonnes)

1	2014-15						2015-16						2016-17					
	Overseas			Coastal			Overseas			Coastal			Overseas			Coastal		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
<b>GUJARAT</b>																		
POL & other Products	103355	43871	147226	7746	8658	16404	112311	43597	155908	8068	10899	18967	117455	42778	160233	9351	10731	20082
Coal	77619	351	77970	1961	56	2017	64917	587	65504	349	50	399	61708	530	62238	153	30	183
Building Material	251	1859	2110	1596	5219	6815	360	1556	1916	1669	5490	7159	318	2037	2355	1729	5646	7375
Fertiliser & FRM	7477	52	7529	0	0	0	9787	544	10331	0	0	0	8134	568	8702	2	0	2
Chemicals	125	57	182	38	253	291	0	0	0	0	24	24	48	8	56	0	86	86
Iron Ore	940	57	997	4635	0	4635	2177	0	2177	5285	49	5334	747	0	747	8632	0	8632
Iron & Steel	3037	800	3837	21	296	317	4248	870	5118	8	798	806	4669	1882	6551	106	1616	1722
Other Ore	1430	7031	8461	0	9	9	0	7671	7671	0	12	12	0	2494	2494	0	12	12
Foodgrains	70	191	261	0	7	7	271	75	346	0	6	6	690	80	770	0	1	1
Salt	0	2839	2839	0	47	47	0	2935	2935	0	97	97	0	3302	3302	0	156	156
Oil Cake	0	18	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible Oil	996	0	996	20	0	20	1250	0	1250	22	0	22	0	0	0	0	0	0
Others	27790	24609	52399	420	288	708	28072	25380	53452	48	296	344	31307	28508	59815	25	200	225
<b>Total</b>	<b>223090</b>	<b>81735</b>	<b>304825</b>	<b>16437</b>	<b>14833</b>	<b>31270</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>MAHARASHTRA</b>																		
Iron Ore	3856	466	4322	3462	1040	4502	2815	1341	4156	2113	1342	3455	9347	888	10235	1614	3200	4814
Iron & Steel	362	0	362	332	22	354	214	0	214	734	12	746	215	59	274	1184	82	1266
POL & other Products	1193	54	1247	0	0	0	3225	0	3225	0	0	0	2161	0	2161	0	0	0
Building Material	0	0	0	2119	1	2120	352	0	352	1891	0	1891	579	0	579	1796	131	1927
Coal	8810	524	9334	1119	471	1590	10746	0	10746	915	512	1427	9990	30	10020	334	782	1116
Fertiliser & FRM	156	15	171	0	0	0	151	0	151	0	0	0	236	7	243	0	0	0
Chemicals	210	0	210	0	0	0	154	0	154	0	0	0	161	0	161	14	0	14
Others	1313	1564	2877	18	188	206	1091	978	2069	73	190	263	1208	419	1627	171	286	457
<b>Total</b>	<b>15900</b>	<b>2623</b>	<b>18523</b>	<b>7050</b>	<b>1722</b>	<b>8772</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>GOA</b>																		
Iron Ore	0	347	347	0	0	0	0	260	260	0	0	0	0	0	0	15	102	117
Coal	412	0	412	0	0	0	170	0	170	0	0	0	0	0	0	0	0	0
Others	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>412</b>	<b>347</b>	<b>759</b>	<b>1</b>	<b>0</b>	<b>1</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>

Table 2.2.2 (Contd...)

## Traffic Handled at Non-Major Ports (State-wise &amp; Principal Commodity-wise) - 2014-15, 2015-16 &amp; 2016-17

('000 Tonnes)

Commodity	2014-15						2015-16						2016-17					
	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	0	4	4	198	217	415	258	0	258	25	263	288	0	0	0	65	237	302
Edible Oil	0	0	0	0	0	0	30	0	30	3	0	3	35	0	35	0	0	0
Fertiliser & FRM	292	0	292	0	0	0	30	0	30	0	0	0	36	0	36	0	0	0
Bldg. Material	0	0	0	0	1	1	4	0	4	0	0	0	0	0	0	0	0	0
Others	0	1	1	109	3	112	102	15	117	117	9	126	541	29	570	167	42	209
<b>Total</b>	<b>292</b>	<b>5</b>	<b>297</b>	<b>307</b>	<b>221</b>	<b>528</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>KERALA</b>																		
Bldg. Material	0	0	0	18	0	18	0	0	0	1	0	1	0	0	0	0	0	0
POL & other Products	0	0	0	0	18	18	0	0	0	0	19	19	0	1	1	0	18	18
Others	0	7	7	38	78	116	6	10	16	21	87	108	3	6	9	19	94	113
<b>Total</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>56</b>	<b>96</b>	<b>152</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>PUDUCHERRY</b>																		
POL & Other Prdct	0	0	0	322	0	322	0	0	0	267	0	267	8	0	8	264	0	264
Bldg. Material	112	16	128	0	0	0	277	34	311	0	0	0	47	26	73	0	685	685
Coal	3344	0	3344	0	0	0	4658	0	4658	0	0	0	6967	0	6967	0	0	0
Fertiliser & FRM	551	0	551	0	0	0	421	0	421	0	0	0	63	0	63	0	0	0
Iron Ore	336	0	336	0	0	0	69	0	69	0	0	0	0	0	0	499	0	499
Others	156	73	229	0	48	37	144	104	248	0	0	0	553	0	553	0	0	0
<b>Total</b>	<b>4499</b>	<b>89</b>	<b>4588</b>	<b>322</b>	<b>48</b>	<b>370</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>A &amp; N ISLANDS</b>																		
POL & other Products	8	0	8	162	5	167	9	0	9	185	5	190	10	0	10	166	2	168
Bldg. Material	0	0	0	270	117	387	0	0	0	342	137	479	0	0	0	276	110	386
Foodgrains	0	0	0	39	6	45	0	0	0	31	4	35	0	0	0	20	3	23
Fertiliser & FRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	9	0	9	403	137	540	36	0	36	441	133	574	38	0	38	477	174	651
<b>Total</b>	<b>17</b>	<b>0</b>	<b>17</b>	<b>874</b>	<b>265</b>	<b>1139</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>LAKSHADWEEP</b>																		
POL & other Products	0	0	0	21	0	21	0	0	0	0	0	0	0	0	0	0	0	0
Bldg. Material	0	0	0	67	0	67	0	0	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	27	4	31	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>115</b>	<b>4</b>	<b>119</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	84	18	102	25	1276	1301	1	9	10	118	1299	1417	1362	21	1383	318	1010	1328
Fertiliser & FRM	5316	0	5316	46	0	46	5907	0	5907	49	0	49	4649	0	4649	221	0	221
Edible Oil	2229	6	2235	0	3	3	2152	7	2159	9	3	12	784	0	784	9	0	9
Coal	31585	0	31585	4372	0	4372	38014	0	38014	8161	28	8189	32060	28	32088	7355	78	7433
Bldg. Material	162	2293	2455	0	37	37	152	1771	1923	0	55	55	156	1418	1574	0	83	83
Chemicals	276	0	276	64	0	64	257	0	257	0	0	0	265	0	265	11	0	11
Iron ore	9010	48	9058	0	1469	1469	1201	0	1201	0	420	420	655	580	1235	468	1280	1748
Others	17924	5138	23062	1864	173	2037	7090	5943	13033	68	19	87	7477	9227	16704	60	28	88
<b>Total</b>	<b>66586</b>	<b>7503</b>	<b>74089</b>	<b>6371</b>	<b>2958</b>	<b>9329</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>



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

**Traffic Handled at Non-Major Ports (State-wise & Principal Commodity-wise) - 2014-15, 2015-16 & 2016-17**

('000 Tonnes)

Commodity	2014-15						2015-16						2016-17					
	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	47	0	47	0	0	0	57	0	57	0	0	0	40	0	40	0	0	0
Salt	0	0	0	45	0	45	0	0	0	0	0	0	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	40	0	40	0	0	0	82	0	82	0	0	0	111	0	111
Bldg. Material	0	0	0	0	85	85	0	0	0	0	81	81	0	0	0	0	86	86
Iron ore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	205	188	393	11	30	41	228	268	496	90	29	119	255	78	333	12	27	39
<b>Total</b>	<b>252</b>	<b>188</b>	<b>440</b>	<b>96</b>	<b>115</b>	<b>211</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>ODISHA</b>																		
Fertiliser & FRM	0	0	0	0	0	0	0	0	0	0	0	0	281	0	281	0	0	0
Iron ore	25	99	124	0	1004	1004	103	0	103	0	209	209	0	3394	3394	0	3034	3034
Coal	13111	0	13111	0	298	298	12557	0	12557	0	210	210	12881	0	12881	0	828	828
Others	915	0	915	0	0	0	1231	576	1807	63	0	63	1349	613	1962	69	24	93
<b>Total</b>	<b>14051</b>	<b>99</b>	<b>14150</b>	<b>0</b>	<b>1302</b>	<b>1302</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>ALL STATES</b>																		
POL & other Pdcts	104640	43947	148587	8514	10174	18688	115804	43606	159410	8745	12485	21230	120996	42800	163796	10275	11998	22273
Coal	134881	875	135756	7452	825	8277	131062	587	131649	9425	800	10225	123606	588	124194	7842	1718	9560
Building Material	525	4168	4693	4070	5460	9530	1145	3361	4506	3903	5763	9666	1100	3481	4581	3801	6741	10542
Fertiliser & FRM	13839	67	13906	46	0	46	16353	544	16897	49	0	49	13439	575	14014	223	0	223
Chemicals	611	57	668	102	253	355	411	0	411	0	24	24	474	8	482	25	86	111
Iron Ore	14167	1017	15184	8097	3513	11610	6365	1601	7966	7398	2020	9418	10749	4862	15611	11228	7616	18844
Iron & Steel	3399	800	4199	353	318	671	4462	870	5332	742	810	1552	4884	1941	6825	1290	1698	2988
Other Ore	1430	7031	8461	0	9	9	0	7671	7671	0	12	12	0	2494	2494	0	12	12
Salt	0	2839	2839	45	47	92	0	2935	2935	0	97	97	0	3302	3302	98	156	254
Oil Cake	0	18	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible Oil	3225	6	3231	20	3	23	3432	7	3439	34	3	37	819	0	819	9	0	9
Foodgrains	70	191	261	39	13	52	271	75	346	31	10	41	690	80	770	20	4	24
Other Minerals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	48312	31580	79892	2891	949	3829	38000	33274	71274	921	763	1684	42731	38880	81611	1000	875	1875
<b>Total</b>	<b>325099</b>	<b>92596</b>	<b>417695</b>	<b>31629</b>	<b>21564</b>	<b>53193</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>

Source : States/UT Maritime Boards

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

**Commodity-wise Overseas Cargo Traffic Handled At Select**

**Non-Major Ports - 2014-15, 2015-16 & 2016-17**

('000 Tonnes)

Port/Commodity	2014-15			2015-16			2016-17		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>10. GPPL</b>	<b>7733</b>	<b>3281</b>	<b>11014</b>	<b>6242</b>	<b>2882</b>	<b>9124</b>	<b>5973</b>	<b>2463</b>	<b>8436</b>
a) Building Material	-	-	-	-	-	-	-	-	-
b) Coal	1981	-	1981	787	-	787	701	0	701
c) Iron&Steel	-	-	-	-	-	-	0	0	0
d) Fertiliser&FRM	1438	-	1438	1233	-	1233	1004	0	1004
e) Others	4314	3281	7595	4222	2882	7104	4268	2463	6731
<b>MAHARASHTRA</b>									
<b>1. Revdanda</b>	<b>592</b>	<b>52</b>	<b>644</b>	<b>1309</b>	<b>0</b>	<b>1309</b>	<b>804</b>	<b>43</b>	<b>847</b>
a) Iron Ore	165	52	217	0	0	0	0	0	0
b) Coal	427	-	427	1293	-	1293	793	0	793
c) Others	0	0	0	16	0	16	11	43	54
<b>2. Ratnagiri</b>	<b>526</b>	<b>-</b>	<b>526</b>	<b>439</b>	<b>-</b>	<b>439</b>	<b>484</b>	<b>0</b>	<b>484</b>
a) Chemicals	210	-	210	154	-	154	161	0	161
b) Coal	218	-	218	176	-	176	221	0	221
c) Others	98	0	98	109	0	109	102	0	102
<b>3) Dharamtar</b>	<b>5898</b>	<b>74</b>	<b>5972</b>	<b>6723</b>	<b>47</b>	<b>6770</b>	<b>11812</b>	<b>0</b>	<b>11812</b>
a) Iron ore	1588	-	1588	1463	-	1463	5966	0	5966
b) Coal	3060	-	3060	4443	-	4443	4377	0	4377
c) Iron&Steel	203	-	203	46	-	46	0	0	0
d) Fertiliser&FRM	66	-	66	0	-	0	0	0	0
e) Others	981	74	1055	771	47	818	1469	0	1469
<b>4) Dahanu</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
a) Coal	-	-	-	-	-	-	-	-	-
<b>5) Dabhol</b>	<b>1193</b>	<b>55</b>	<b>1248</b>	<b>3215</b>	<b>0</b>	<b>3215</b>	<b>2059</b>	<b>0</b>	<b>2059</b>
a) POL&Other Products	1193	55	1248	3215	0	3215	2059	0	2059
b) Others	-	-	-	-	-	-	-	-	-
<b>KARNATAKA</b>									
<b>1. Karwar</b>	<b>252</b>	<b>188</b>	<b>440</b>	<b>285</b>	<b>268</b>	<b>553</b>	<b>295</b>	<b>78</b>	<b>373</b>
a) Fertilizer &FRM	47	-	47	57	-	57	40	0	0
b) Other minerals	-	-	-	-	-	-	-	-	-
c) Iron ore	-	-	-	-	-	-	-	-	-
d) POL&Other Products	-	-	-	-	-	-	-	-	-
e) Others	205	188	393	228	268	496	255	78	373
<b>2. Belkeri</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
a) Iron ore	-	-	-	-	-	-	-	-	-
b) Others	-	-	-	-	-	-	-	-	-
<b>KERALA</b>									
<b>1. Kozikode/Beyppore</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>1</b>	<b>1</b>
a) Others	-	-	-	-	2	2	-	1	1
<b>2. Kovalam-Vizhinjam</b>	<b>-</b>	<b>7</b>	<b>7</b>	<b>-</b>	<b>8</b>	<b>8</b>	<b>-</b>	<b>6</b>	<b>6</b>
a) Others	-	7	7	-	8	8	-	6	6
<b>TAMILNADU</b>									
<b>1. Ennore</b>	<b>58</b>	<b>-</b>	<b>58</b>	<b>30</b>	<b>-</b>	<b>30</b>	<b>36</b>	<b>0</b>	<b>36</b>
a) Fertiliser&FRM	58	-	58	30	-	30	36	0	36
b) Others	-	-	-	-	-	-	0	0	0
<b>2. Nagapattinam</b>	<b>-</b>	<b>4</b>	<b>4</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>34</b>	<b>0</b>	<b>34</b>
a) Edible Oil	-	-	-	30	-	30	34	0	34
b) Others	-	4	4	0	0	0	0	0	0

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

**Commodity-wise Overseas Cargo Traffic Handled At Select**

**Non-Major Ports - 2014-15, 2015-16 & 2016-17**

('000 Tonnes)

Port/Commodity	2014-15			2015-16			2016-17		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>10. GPPL</b>	<b>7733</b>	<b>3281</b>	<b>11014</b>	<b>6242</b>	<b>2882</b>	<b>9124</b>	<b>5973</b>	<b>2463</b>	<b>8436</b>
a) Building Material	-	-	-	-	-	-	-	-	-
b) Coal	1981	-	1981	787	-	787	701	0	701
c) Iron&Steel	-	-	-	-	-	-	0	0	0
d) Fertiliser&FRM	1438	-	1438	1233	-	1233	1004	0	1004
e) Others	4314	3281	7595	4222	2882	7104	4268	2463	6731
<b>MAHARASHTRA</b>									
<b>1. Revdanda</b>	<b>592</b>	<b>52</b>	<b>644</b>	<b>1309</b>	<b>0</b>	<b>1309</b>	<b>804</b>	<b>43</b>	<b>847</b>
a) Iron Ore	165	52	217	0	0	0	0	0	0
b) Coal	427	-	427	1293	-	1293	793	0	793
c) Others	0	0	0	16	0	16	11	43	54
<b>2. Ratnagiri</b>	<b>526</b>	<b>-</b>	<b>526</b>	<b>439</b>	<b>-</b>	<b>439</b>	<b>484</b>	<b>0</b>	<b>484</b>
a) Chemicals	210	-	210	154	-	154	161	0	161
b) Coal	218	-	218	176	-	176	221	0	221
c) Others	98	0	98	109	0	109	102	0	102
<b>3) Dharamtar</b>	<b>5898</b>	<b>74</b>	<b>5972</b>	<b>6723</b>	<b>47</b>	<b>6770</b>	<b>11812</b>	<b>0</b>	<b>11812</b>
a) Iron ore	1588	-	1588	1463	-	1463	5966	0	5966
b) Coal	3060	-	3060	4443	-	4443	4377	0	4377
c) Iron&Steel	203	-	203	46	-	46	0	0	0
d) Fertiliser&FRM	66	-	66	0	-	0	0	0	0
e) Others	981	74	1055	771	47	818	1469	0	1469
<b>4) Dahanu</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
a) Coal	-	-	-	-	-	-	-	-	-
<b>5) Dabhol</b>	<b>1193</b>	<b>55</b>	<b>1248</b>	<b>3215</b>	<b>0</b>	<b>3215</b>	<b>2059</b>	<b>0</b>	<b>2059</b>
a) POL&Other Products	1193	55	1123	3215	0	3215	2059	0	2059
b) Others	-	-	-	-	-	-	-	-	-
<b>KARNATAKA</b>									
<b>1. Karwar</b>	<b>252</b>	<b>188</b>	<b>440</b>	<b>285</b>	<b>268</b>	<b>553</b>	<b>295</b>	<b>78</b>	<b>373</b>
a) Fertilizer &FRM	47	-	47	57	-	57	40	0	0
b) Other minerals	-	-	-	-	-	-	-	-	-
c) Iron ore	-	-	-	-	-	-	-	-	-
d) POL&Other Products	-	-	-	-	-	-	-	-	-
e) Others	205	188	393	228	268	496	255	78	373
<b>2. Belkeri</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
a) Iron ore	-	-	-	-	-	-	-	-	-
b) Others	-	-	-	-	-	-	-	-	-
<b>KERALA</b>									
<b>1. Kozikode/Beyppore</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>1</b>	<b>1</b>
a) Others	-	-	-	-	2	2	-	1	1
<b>2. Kovalam-Vizhinjam</b>	<b>-</b>	<b>7</b>	<b>7</b>	<b>-</b>	<b>8</b>	<b>8</b>	<b>-</b>	<b>6</b>	<b>6</b>
a) Others	-	7	7	-	8	8	-	6	6
<b>TAMILNADU</b>									
<b>1. Ennore</b>	<b>58</b>	<b>-</b>	<b>58</b>	<b>30</b>	<b>-</b>	<b>30</b>	<b>36</b>	<b>0</b>	<b>36</b>
a) Fertiliser&FRM	58	-	58	30	-	30	36	0	36
b) Others	-	-	-	-	-	-	0	0	0
<b>2. Nagapattinam</b>	<b>-</b>	<b>4</b>	<b>4</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>34</b>	<b>0</b>	<b>34</b>
a) Edible Oil	-	-	-	30	-	30	34	0	34
b) Others	-	4	4	0	0	0	0	0	0

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

**Commodity-wise Overseas Cargo Traffic Handled At Select  
Non-Major Ports - 2014-15, 2015-16 & 2016-17**

(’000 Tonnes)

Port/Commodity	2014-15			2015-16			2016-17		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>3. Cuddalore</b>	<b>234</b>	-	<b>234</b>	<b>258</b>	-	<b>258</b>	<b>283</b>	<b>0</b>	<b>283</b>
a)POL&Other Products	-	-	-	258	-	258	0	0	0
b)Fertiliser&FRM	234	-	234	0	-	0	0	0	0
c)Others	0	0	0	0	0	0	283	0	283
<b>GOA</b>									
<b>Panaji</b>	<b>412</b>	<b>347</b>	<b>759</b>	<b>170</b>	<b>260</b>	<b>430</b>	<b>0</b>	<b>0</b>	<b>0</b>
a) Iron ore	-	347	347	-	260	260	0	0	0
b) Coal	412	-	412	170	-	170	0	0	0
<b>ANDHRA PRADESH</b>									
<b>1. Kakinada Anchorage Por</b>	-	<b>2659</b>	<b>2659</b>	-	<b>2018</b>	<b>2018</b>	-	<b>1914</b>	<b>1914</b>
a)Foodgrain	-	2659	2659	-	2018	2018	-	1914	1914
b)Fertiliser &FRM	-	-	-	-	-	-	-	-	-
c) Coal	-	-	-	-	-	-	-	-	-
d)Others	-	-	-	-	-	-	-	-	-
<b>2. Kakinada Deep Water Po</b>	<b>13479</b>	<b>1781</b>	<b>15260</b>	<b>8887</b>	<b>3319</b>	<b>12206</b>	<b>7210</b>	<b>3623</b>	<b>10833</b>
a)Fertiliser &FRM	3508	-	3508	3589	-	3589	3076	0	3076
b)Edible Oil	818	-	818	813	6	819	784	0	784
c)POL&Other Products	-	-	-	1	9	10	0	19	19
d)Iron ore	-	15	15	-	0	0	47	0	47
e)Coal	5251	-	5251	2483	-	2483	1179	0	1179
e)Others	3902	1766	5668	2001	3304	5305	2124	3604	5728
<b>3.Krishnapatinam</b>	<b>33347</b>	<b>2610</b>	<b>35957</b>	<b>26812</b>	<b>2393</b>	<b>29205</b>	<b>24979</b>	<b>4468</b>	<b>29447</b>
a)Fertiliser &FRM	1208	-	1208	817	-	817	678	0	678
b) Iron ore	8530	-	8530	1201	-	1201	608	0	608
c) Coal	21454	0	21454	20576	0	20576	19864	0	19864
d)Building Material	-	1144	1144	-	1102	1102	106	1039	1145
e)Others	2155	1466	3621	4218	1291	5509	3723	3429	7152
<b>4. Gangavaram</b>	<b>19760</b>	<b>453</b>	<b>20213</b>	<b>19075</b>	<b>0</b>	<b>19075</b>	<b>15219</b>	<b>1269</b>	<b>16488</b>
a)Fertiliser &FRM	600	-	600	1500	-	1500	895	0	895
b) Iron ore	480	33	513	0	0	0	0	580	580
c) Coal	15710	-	15710	14955	-	14955	11017	28	11045
d)Others	2970	420	3390	2620	0	2620	3307	661	3968
<b>PUDUCHERRY</b>									
<b>Karaikal</b>	<b>4499</b>	<b>89</b>	<b>4588</b>	<b>5569</b>	<b>138</b>	<b>5707</b>	<b>7638</b>	<b>26</b>	<b>7664</b>
a)Building Material	112	16	128	278	34	312	47	26	73
b)Coal	3344	-	3344	4658	-	4658	6967	0	6967
c)Fertiliser &FRM	551	-	551	421	-	421	63	0	63
d)POL&Other Products	0	-	0	0	-	0	8	0	8
e) Iron ore	336	-	336	69	-	69	0	0	0
f)Salt	-	-	-	-	-	-	0	0	0
g)Others	156	73	229	143	104	247	553	0	553
<b>ODISHA</b>									
<b>Gopalpur</b>	-	-	-	-	181	181	215	742	957
a)Fertiliser &FRM	-	-	-	-	-	-	136	-	136
b) Iron ore	-	-	-	-	-	-	-	129	129
c) Coal	-	-	-	-	-	-	79	-	79
d)Others	-	-	-	-	181	181	0	613	613
<b>Dhamra</b>	<b>14051</b>	<b>99</b>	<b>14150</b>	<b>13891</b>	<b>395</b>	<b>14286</b>	<b>14296</b>	<b>3265</b>	<b>17561</b>
a) Iron ore	26	99	125	103	0	103	0	3265	3265
b) Coal	13111	-	13111	12557	-	12557	12802	-	12802
c)Others	914	0	914	1231	395	1626	1494	0	1494

Source : State / UT Maritime Boards

Table 2.2.4

**Commodity-wise Coastal Cargo Traffic Handled At Select  
Non-Major Ports - 2014-15, 2015-16 & 2016-17**

('000 Tonnes)

Port/Commodity	2014-15			2015-16			2016-17		
	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>	-	3	3	-	0	0	60	0	60
a)Coal	-	3	3	-	0	0	58	0	58
b)Building Material	-	-	-	-	-	-	0	0	0
c)Others	-	-	-	-	-	-	2	0	2
<b>2.Okha</b>	-	11	11	16	273	289	1002	19	1021
a)POL&Other Products	-	-	-	16	209	225	1002	0	1002
b) Other Ores	-	9	9	0	12	12	0	12	12
c)Coal	-	1	1	0	0	0	0	0	0
d) Others	-	1	1	0	52	52	0	7	7
<b>3.GAPL</b>	5787	451	6238	3130	576	3706	2957	538	3495
a)POL&Other Products	3463	265	3728	2790	239	3029	2815	302	3117
b)Coal	1906	0	1906	280	0	280	74	30	104
c) Iron Ore	285	-	285	30	0	30	50	0	50
d)Others	133	186	319	30	337	367	18	206	224
<b>4.Navlakhi</b>	22	-	22	131	-	131	85	36	121
a)Building Material	22	-	22	62	-	62	85	0	85
b)Others	-	-	-	69	0	69	0	36	36
<b>5.Mul-Dwarka</b>	-	2361	2361	-	2829	2829	0	2668	2668
a)Building Material	-	2352	2352	-	2825	2825	-	2667	2667
b)Others	-	9	9	-	4	4	-	1	1
<b>6.Sikka</b>	648	8437	9085	581	10417	10998	181	10034	10215
a) POL&Other Products	623	8392	9015	546	10355	10901	181	9998	10179
b) Edible oil	-	-	-	-	-	-	0	0	-
c) Salt	-	45	45	-	62	62	0	0	0
d) Others	25	0	25	35	0	35	0	36	36
<b>7.Magdalla</b>	9340	381	9721	10265	830	11095	13656	1958	15614
a) POL&Other Products	3303	1	3304	3417	29	3446	3318	256	3574
b)Building Material	1574	-	1574	1593	25	1618	1644	0	1644
c) Iron Ore	4350	-	4350	5255	-	5255	8582	0	8582
d) Iron & Steel	21	274	295	0	644	644	88	1515	1603
e) Others	92	106	198	0	132	132	24	187	211
<b>8.Jafarabad</b>	-	2667	2667	-	2419	2419	0	2517	2517
a)Building Material	-	2667	2667	-	2419	2419	-	2517	2517
<b>9.Dahej</b>	629	232	861	1300	133	1433	2054	170	2224
a) POL&Other Products	357	-	357	1299	67	1366	2054	156	2210
b)Chemicals	-	232	232	-	0	0	0	0	0
c)Others	272	-	272	1	66	67	0	14	14
<b>10.GPPL</b>	10	60	70	0	0	0	0	0	0
a)Building Material	-	-	-	-	-	-	0	0	0
b) Iron & Steel	-	-	-	-	-	-	0	0	0
c)Iron Ore	-	-	-	-	-	-	0	0	0
d)Others	10	60	70	0	0	0	0	0	0
<b>GOA</b>									
<b>1. Panaji</b>	1	-	1	0	-	0	15	102	117
a) Iron ore	-	-	-	-	-	-	15	102	117
b) Others	1	-	1	0	-	0	0	0	0

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

**Commodity-wise Coastal Cargo Traffic Handled At Select  
Non-Major Ports - 2014-15, 2015-16 & 2016-17**

(\*000 Tonnes)

Port/Commodity	2014-15			2015-16			2016-17		
	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>274</b>	<b>-</b>	<b>274</b>	<b>272</b>	<b>-</b>	<b>272</b>	<b>242</b>	<b>-</b>	<b>242</b>
a)Building Material	274	-	274	272	-	272	219	-	219
b) Others	-	-	-	-	-	-	23	-	23
<b>2.Dharamtar</b>	<b>4136</b>	<b>59</b>	<b>4195</b>	<b>3100</b>	<b>17</b>	<b>3117</b>	<b>2396</b>	<b>74</b>	<b>2470</b>
a) Iron Ore	3150	5	3155	2111	2	2113	1094	0	1094
b)Building Material	223	-	223	11	-	11	51	0	51
c)Coal	440	22	462	388	0	388	277	0	277
d) Others	323	32	355	590	15	605	974	74	1048
<b>3. Revdanda</b>	<b>467</b>	<b>33</b>	<b>500</b>	<b>2</b>	<b>33</b>	<b>35</b>	<b>520</b>	<b>28</b>	<b>548</b>
a) Iron Ore	312	33	345	2	33	35	520	0	520
b) Iron & Steel	-	-	-	-	-	-	0	0	0
c) Others	155	0	155	0	0	0	0	28	28
<b>4. Ulwa-Belapur</b>	<b>1622</b>	<b>1</b>	<b>1623</b>	<b>1607</b>	<b>12</b>	<b>1619</b>	<b>1531</b>	<b>136</b>	<b>1667</b>
a)Building Material	1622	1	1623	1607	0	1607	1526	130	1656
b) Others	-	-	-	-	12	12	-	12	12
<b>5.Dabhol</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
a) Iron & Steel	-	-	-	-	-	-	-	-	-
b) Others	-	-	-	-	-	-	-	-	-
<b>6.Dahanu</b>	<b>524</b>	<b>-</b>	<b>524</b>	<b>467</b>	<b>-</b>	<b>467</b>	<b>57</b>	<b>-</b>	<b>57</b>
a)Coal	524	-	524	467	-	467	57	-	57
<b>ODISHA</b>									
<b>1. Dhamra</b>	<b>-</b>	<b>1302</b>	<b>1302</b>	<b>-</b>	<b>419</b>	<b>419</b>	<b>-</b>	<b>3861</b>	<b>3861</b>
a) Coal	-	298	298	-	210	210	-	828	828
b) Iron Ore	-	1004	1004	-	209	209	-	3033	3033
<b>KERALA</b>									
<b>1.Kozikoda/ Beypore</b>	<b>34</b>	<b>93</b>	<b>127</b>	<b>19</b>	<b>105</b>	<b>124</b>	<b>16</b>	<b>112</b>	<b>128</b>
a)Building material	-	-	-	-	-	-	-	-	-
b)Foodgrains	-	-	-	-	-	-	-	-	-
c)Others	34	93	127	19	105	124	16	112	128
<b>2)Neendakara</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>3)Kovlam-Vizanjam</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>
a)Others	-	0	0	-	0	0	3	0	3
<b>ANDHRA PRADESH</b>									
<b>1.Rawa Port</b>	<b>-</b>	<b>1276</b>	<b>1276</b>	<b>-</b>	<b>1299</b>	<b>1299</b>	<b>-</b>	<b>1010</b>	<b>1010</b>
a)Crude Oil	-	1276	1276	-	1299	1299	-	1010	1010
<b>2.Kakinada Anchorage Port</b>	<b>-</b>	<b>37</b>	<b>37</b>	<b>-</b>	<b>55</b>	<b>55</b>	<b>-</b>	<b>48</b>	<b>48</b>
a)Salt	-	-	-	-	-	-	-	-	-
b)Builiding material	-	37	37	-	55	55	-	48	48
c)Others	-	-	-	-	-	-	-	-	-
<b>3.Kakinada Deep Water</b>	<b>2587</b>	<b>115</b>	<b>2702</b>	<b>2742</b>	<b>19</b>	<b>2761</b>	<b>1589</b>	<b>63</b>	<b>1652</b>
a)POL&other Products	25	-	25	118	-	118	318	-	318
b)Chemical	64	-	64	0	-	0	11	-	11
c)Coal	2452	-	2452	2564	-	2564	1075	-	1075
d)Iron Ore	-	-	-	-	-	-	-	-	-
e)Other	46	115	161	60	19	79	185	63	248
<b>4.Gangavaram</b>	<b>0</b>	<b>530</b>	<b>530</b>	<b>0</b>	<b>270</b>	<b>270</b>	<b>272</b>	<b>1280</b>	<b>1552</b>
a)Iron Ore	-	480	480	-	270	270	210	1280	1490
b)Other	0	50	50	0	0	0	62	0	62

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

**Commodity-wise Coastal Cargo Traffic Handled At Select  
Non-Major Ports - 2014-15, 2015-16 & 2016-17**

('000 Tonnes)

Port/Commodity	2014-15			2015-16			2016-17		
	Unloaded	Loaded	Total	Unloaded	Loaded	Total	Unloaded	Loaded	Total
1	2	3	4	5	6	7	8	9	10
<b>5.Krishnapatinam</b>	<b>3784</b>	<b>1000</b>	<b>4784</b>	<b>5663</b>	<b>181</b>	<b>5844</b>	<b>6581</b>	<b>78</b>	<b>6659</b>
a)POL&other Products	164	-	164	0	-	0	0	-	0
b)Chemical	-	-	-	-	-	-	-	-	-
c)Coal	2455	-	2455	5596	28	5624	6281	78	6359
d)Iron Ore	-	-	-	-	150	150	258	0	258
e)Other	1165	1000	2165	67	3	70	42	0	42
<b>TAMIL NADU</b>									
<b>1.py-03</b>	-	-	-	-	-	-	-	-	-
a)POL&other Products	-	-	-	-	-	-	-	-	-
<b>2.Nagapattinam</b>	-	<b>218</b>	<b>218</b>	<b>3</b>	<b>266</b>	<b>269</b>	<b>25</b>	<b>238</b>	<b>263</b>
a)POL&other Products	-	215	215	-	263	263	25	237	262
b)Others	-	3	3	3	3	6	0	1	1
<b>3.Thirukkadaiyur</b>	<b>197</b>	<b>2</b>	<b>199</b>	<b>25</b>	<b>0</b>	<b>25</b>	<b>40</b>	<b>0</b>	<b>40</b>
a)POL&other Products	197	2	199	25	0	25	40	0	40
b)Others	-	-	-	-	-	-	-	-	-
<b>KARNATAKA</b>									
<b>1.Karwar</b>	<b>85</b>	-	<b>85</b>	<b>161</b>	-	<b>161</b>	<b>209</b>	-	<b>209</b>
a)Salt	40	-	40	0	-	0	98	-	98
b)Others	45	-	45	161	-	161	161	-	161
<b>2.Mangalore</b>	<b>10</b>	<b>113</b>	<b>123</b>	<b>10</b>	<b>109</b>	<b>119</b>	<b>10</b>	<b>111</b>	<b>121</b>
a)Other Minerals	-	-	-	-	-	-	-	-	-
b)Building Material	-	85	85	-	81	81	-	86	86
c)Others	10	28	38	10	28	38	10	25	35
<b>PUDUCHERRY</b>									
<b>1)Karaikal</b>	<b>322</b>	<b>48</b>	<b>370</b>	<b>267</b>	<b>0</b>	<b>267</b>	<b>763</b>	<b>685</b>	<b>1448</b>
a)POL&Other Products	322	-	322	267	-	267	264	-	264
a)Others	-	48	48	-	0	0	499	685	1184
<b>ANDAMAN &amp; NICOBAR</b>	<b>874</b>	<b>265</b>	<b>1139</b>	<b>999</b>	<b>279</b>	<b>1278</b>	<b>939</b>	<b>289</b>	<b>1228</b>
a)Building Material	219	123	342	342	137	479	276	110	386
b)POL&Other Products	163	12	175	185	6	191	167	1	168
c)Foodgrains	38	5	43	31	4	35	20	3	23
d)Others	377	161	538	441	132	573	476	175	651
<b>Lakshadweep</b>	<b>115</b>	<b>4</b>	<b>119</b>	-	-	-	-	-	-
a)Building Material	67	-	67	-	-	-	-	-	-
b)POL&Other Products	21	-	21	-	-	-	-	-	-
c)Foodgrains	14	3	17	-	-	-	-	-	-
d)Others	13	1	14	-	-	-	-	-	-

Source : State / UT Maritime Boards

**Table 2.2.5****Manpower Employment At Non-Major Ports - 2016-17**

(In No.)

States/UTs	Officers		Regular Workers		Casual Workers
	Sanctioned	Actual	Sanctioned	Actual	
1	2	3	4	5	6
Gujarat #	289(204)	135(1106)	2058(443)	1192(1518)	(2148)
Maharashtra	32	27	31	23	61
Goa	13	7	173	135	0
Diu	1	1	12	9	2
Karnataka *	240	61	-	-	-
Kerala	86	63	-	-	2
Tamil Nadu	42	11	60	19	-
Puducherry	112	105	154	113	1
Andhra Pradesh**	1149	1149	1004	1004	9850
Andaman & Nicobar Islands	77	61	810	562	-
Odisha	195	195	412	412	7038
Lakshadweep	N.A	N.A	N.A	N.A	0
<b>Total</b>	<b>2236</b>	<b>1815</b>	<b>4714</b>	<b>3469</b>	<b>19102</b>

# : In ( ) Data related to Private ports (APSEZL),(APPPL),(AHPPL),&amp; Pipavav

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

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

\*\* Since Kakinada Anchorage Port &amp; Rawa port is function under State Government.

Source : State / UT Maritime Boards



Table 2.2.6

## Physical Performance of Non-Major Ports (2015-16 &amp; 2016-17)

Maritime State/U.Ts./Port	No. of Vessels Left		Turn Round Time (in Days)	
	2015-16	2016-17	2015-16	2016-17
1	2	3	4	5
<b>GUJARAT</b>	8788	1379	N.A	N.A
Chemical port Terminal	-	262	-	1.0
Dahej	-	217	-	1.0
Hazira	-	60	-	1.3
Mundra(APSRL)	-	2820	-	1.1
Tuna	-	59	-	4.1
Dahej(APPL)	-	101	-	3.6
Haziira(AHPPL)	-	955	-	1.7
Pipavav	-	840	-	-
<b>MAHARASHTRA</b>				
Bandra Group	24	0	-	-
Mora Group	996	0	-	-
Rajpuri Group	52	0	-	-
Ratnagiri Group	407	487	-	8.67
Vengurla Group	33	19	-	-
<b>KARNATAKA</b>				
Karwar	119	113	3.0	3.0
Malpe	14	3	1-2	1-2
Hangakatta	16	3	1-2	1-2
Mangalore	716	794	3-4	3-4
Kundapur	-	2	-	1-2
Belekeri	-	1	-	3.0
<b>TAMIL NADU</b>				
Nagapattinam	91	77	Neg	Neg
Tirukkadaiyur	4	10	1.0	1.0
Cuddalore	-	-	-	-
Cuddalore (Chemplast Jetty)	33	38	1.5	1.5
Ennore	6	7	2.0	2.0
Kattupalli	205	419	1-3	1-3
<b>GOA</b>				
Panaji	26	20	1.0	N.A
<b>ANDHRA PRADESH</b>				
Kakinada(Sea Port)	708	729	2.2	2.2
Kakinada(Anchorage)	146	81	15-20	N.A
Rawa	28	-	1-2	-
Krishnapatinam	961	1060	4.5	3.1
Gangavaram	275	279	3-5	3-5
<b>KERALA</b>				
Kozhikode/Beyport	444	437	5.0	4.5
Koavalam/Vizhinjam	46	42	1.0	2.0
Kollam	21	1	-	2.0
Azhikkal	1	3	2.0	2.0
<b>ODISHA</b>				
Dhamra	191	320	9.2	3.4
Gopalpur	-	46	-	3.8
<b>PUDUCHERRY</b>				
Karaikal	177	243	3.4	4.1
Chemplast	3	3	3.0	3.0
<b>ANDAMAN &amp; NICOBAR</b>	9151	12592	N.A	*

\* 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>									
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	57.50	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
<b>NON-MAJOR PORTS</b>									
2000-01	43.73	17.59	61.32	10.86	15.19	26.05	54.59	32.78	87.37
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
<b>ALL PORTS</b>									
2000-01	170.93	83.79	254.72	62.41	51.37	113.78	233.34	135.16	368.50
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

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

**(In '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	
	1	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>GUJARAT</b>	137692	149434	184247	215441	225035	285083	312787	341551	381436	396950	428592	439236	451181	
Deendayal	41551	45907	52982	64920	72224	79500	81880	82501	93619	87005	92497	99458	105442	
Other Ports	96141	103527	131265	150521	152811	205583	230907	259050	287817	309945	336095	339778	345739	
Overseas	111691	123660	146295	192185	199107	242187	269049	293675	332241	360005	388120	397416	405611	
Coastal	26001	25774	37952	23256	25928	42896	43738	47876	49195	36945	40472	41820	45570	
Loaded	46379	47821	56420	64601	60201	78063	98045	105648	114966	106602	119328	121522	124516	
Unloaded	91313	101613	127827	150840	164834	207020	214742	235903	266470	290348	309264	317714	326665	
<b>MAHARASHTRA</b>	80138	93182	108759	124239	119588	127350	133778	141863	146724	146181	152756	153995	160174	
Mumbai	35187	44190	52364	57038	51876	54541	54586	56186	58038	59184	61660	61119	63129	
J.L.Nehru	32808	37836	44815	55838	57296	60763	64317	65730	64488	62333	63801	64027	62151	
Other Ports	12143	11156	11580	11363	10416	12046	14875	19947	24198	24664	27295	28849	34894	
Overseas	60476	70003	83450	95041	90191	97925	105071	115242	119426	115954	116691	123351	118068	
Coastal	19662	23179	25309	29198	29397	29425	28707	26621	27298	30227	36065	30644	42106	
Loaded	29911	37379	36029	40739	40801	37079	41536	44571	44819	42718	42112	40086	41570	
Unloaded	50227	55803	72730	83509	78787	90271	92242	97292	101905	103463	110644	113909	118604	
<b>GOA</b>	38860	43450	48547	47953	53582	62744	64641	53519	21127	12023	15471	21206	33298	
Mormugao	30659	31688	34241	35128	41681	48847	50060	39049	17738	11739	14711	20776	33181	
Other Ports	8201	11762	14306	12825	11901	13897	14581	14470	3389	284	760	430	117	
Overseas	37711	42452	47685	46832	52550	61196	63404	52384	20373	11298	14250	20105	32137	
Coastal	1149	998	862	1121	1032	1548	1237	1135	754	725	1221	1101	1161	
Loaded	32978	37043	41218	40679	46570	54634	55328	44222	11944	2334	3677	5667	17435	
Unloaded	5882	6407	7329	7274	7012	8110	9313	9297	9183	9689	11794	15539	15863	
<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 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	
	1	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>KARNATAKA</b>	37397	38568	38603	44918	41659	44075	34645	33533	37646	39874	37217	36417	40643	
New Mangalore	33891	34451	32042	36019	36691	35528	31550	32941	37036	39365	36566	35582	39936	
Other Ports	3506	4117	6561	8899	4968	8547	3095	592	610	509	651	835	707	
Overseas	28823	30673	30640	38627	35482	36790	27684	27462	31261	33849	32108	30988	32090	
Coastal	8574	7895	7963	6291	6177	7285	6991	6071	6385	6025	5109	5429	8553	
Loaded	21440	21700	20326	25095	21613	22215	13094	9682	10028	10230	8543	7979	9003	
Unloaded	15957	16868	18277	19823	20046	21860	21251	23851	27618	29644	28674	28438	31640	
<b>KERALA</b>	14184	14023	15429	15914	15625	17548	17997	20194	19941	20976	21754	22239	25148	
Cochin	14103	13888	15257	15810	15494	17429	17873	20090	19845	20886	21595	22095	25007	
Other Ports	81	135	172	104	131	119	124	104	96	90	159	144	141	
Overseas	10365	9842	10862	10670	11111	11898	13159	13306	13236	13110	14740	14784	17944	
Coastal	3819	4181	4567	5244	4514	5650	4838	6888	6705	7866	7014	7455	7204	
Loaded	3188	2971	3533	3708	2794	3680	3999	4400	3913	4262	4162	4030	4878	
Unloaded	10996	11052	11896	12206	12831	13868	13998	15794	16028	16714	17592	18209	20270	
<b>TAMILNADU</b>	69951	74266	82934	91084	91900	96721	99807	99978	100482	107950	116031	119969	119849	
V.O.Chidambaranar	15811	17139	18001	21480	22011	23787	25727	28105	28260	28642	32414	36849	38463	
Chennai	43806	47248	53414	57154	57491	61057	61460	55707	53404	51105	52541	50058	50214	
Kamarajar	9480	9168	10714	11563	11500	10703	11009	14956	17885	27337	30251	32206	30020	
Other Ports	854	711	805	887	898	1174	1611	1210	933	866	825	856	1152	
Overseas	46655	53198	62038	70809	71367	75856	79169	79509	79509	84936	92511	90432	91455	
Coastal	23296	21068	20896	20275	20533	20865	20638	20469	20973	23014	23520	29537	28394	
Loaded	23639	24602	29156	32759	29896	29349	30014	29039	29534	28968	30087	29894	30129	
Unloaded	46312	49664	53778	58325	62004	67372	69793	70939	70948	78982	85944	90075	89720	
<b>PONDICHERRY</b>	59	96	34	10	47	1316	4728	6421	6909	6281	4958	5974	9112	
Other Ports	59	96	34	10	47	1316	4728	6421	6909	6281	4958	5974	9112	
Overseas	59	85	34	10	47	1316	4728	6408	6867	6244	4588	5707	7664	
Coastal	-	11	-	-	-	-	-	13	42	37	370	267	1448	
Loaded	26	56	18	-	-	38	101	181	473	343	137	138	711	
Unloaded	33	40	16	10	47	1278	4627	6240	6436	5938	4821	5836	8401	
<b>ANDHRA PRADESH</b>	65215	73475	74994	83887	93628	109191	111308	113053	110849	117196	141422	129768	130623	
Visakhapatnam	50148	55801	56385	64597	63908	65501	68041	67420	59038	58504	58004	57035	61020	
Other Ports	15067	17674	18609	19290	29720	43690	43267	45633	51811	58692	83418	72733	69603	
Overseas	48133	54394	53676	60938	69929	85364	85177	84675	87211	93254	117496	104829	101851	
Coastal	17082	19081	21318	22949	23699	23827	26131	28378	23638	23942	23926	24939	28772	
Loaded	30818	34006	33486	38779	42381	49727	45180	40790	34972	36946	29705	27003	37492	
Unloaded	34397	39469	41508	45108	51247	59464	66128	72263	75877	80250	111717	102765	93131	

Table 3.1.2  
(Contd...)

## Cargo Traffic Handled At Indian Ports - By State

(In '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
1	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>ORISSA</b>	30104	33109	38517	42732	46707	57476	56503	59338	67620	82374	86463	91346	111432
Paradip	30104	33109	38517	42437	46412	57011	56038	54254	56552	68003	71011	76397	88959
Other Ports	-	-	-	295	295	465	465	5084	11068	14371	15452	14949	22473
Overseas	18580	23051	26777	30191	33958	45180	45118	46361	47967	57004	60231	61920	81983
Coastal	11524	10058	11740	12541	12749	12296	11385	12977	19653	25370	26232	29426	29449
Loaded	21666	21685	24855	25672	26615	28127	25107	18281	19771	31477	47666	29156	42965
Unloaded	8438	11424	13662	17060	20092	29349	31396	41057	47849	50897	38797	62190	68467
<b>WEST BENGAL</b>	46207	53143	55050	57329	54220	46423	47545	43248	39928	41386	46293	50289	50951
KDS	9945	10806	12596	13741	12428	13045	12540	12233	11844	12875	15283	16782	16810
HDC	36262	42337	42454	43588	41792	33378	35005	31015	28084	28511	31010	33507	34141
Other Ports	-	-	-	-	-	-	-	-	-	-	-	-	-
Overseas	38086	44025	47447	50912	47187	39334	39388	35837	33660	35400	38811	42982	43718
Coastal	8121	9118	7603	6417	7033	7089	8157	7411	6268	5986	7482	7307	7233
Loaded	13001	16405	16735	18288	17547	16572	17030	15280	12911	13962	10044	10912	13944
Unloaded	33206	36738	38315	39041	36673	29851	30515	27968	27017	27424	36249	39377	37007
<b>SEA-ISLANDS</b>	908	941	1590	2185	2035	2100	1705	1234	1092	1268	1275	1323	1276
Other Ports	908	941	1590	2185	2035	2100	1705	1234	1092	1268	1275	1323	1276
Overseas	5	4	6	9	76	486	342	10	7	51	17	45	48
Coastal	903	937	1584	2176	1959	1614	1337	1224	1085	1217	1258	1278	1228
Loaded	247	275	544	809	675	516	352	195	205	305	269	279	289
Unloaded	661	666	1046	1376	1360	1584	1353	1039	887	963	1006	1044	987
<b>ALL INDIA</b>	520715	573687	648704	725692	744026	850027	885444	913932	933754	972459	1052232	1071762	1133687
Major Ports	383755	423568	463782	519313	530804	561090	570086	560187	545831	555489	581344	605891	648473
Other Ports	136960	150119	184922	206379	213222	288937	315358	353745	387923	416970	470888	465871	485214
Overseas	400584	451387	508910	596224	611005	697532	732289	754869	771758	811105	879563	892559	932569
Coastal	120131	122300	139794	129468	133021	152495	153159	159063	161996	161354	172669	179203	201118
Loaded	223293	243943	262320	291129	289093	320000	329786	312289	283536	278147	295730	276666	322932
Unloaded	297422	329744	386384	434572	454933	530027	555358	601643	650218	694312	756502	795096	810755

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 &amp; Coastal) At Indian Ports - By State

('000 Tonnes)

Port/State/Type of Traffic	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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>GUJARAT</b>														
Kandla	31214	32006	35731	41246	48404	54200	61893	61241	60412	63402	61298	69737	78872	81591
Other Ports	53947	59307	65882	86581	102436	110634	145127	153502	175491	203068	227050	239527	238842	245074
Total	85161	91313	101613	127827	150840	164834	207020	214743	235903	266470	288348	309264	317714	326665
Overseas	73215	78664	87723	114032	137352	150376	187390	193891	214117	244380	265200	288934	298482	302649
Coastal	11946	12649	13890	13795	13488	14458	19630	20852	21786	22090	23148	20330	19232	24016
<b>MAHARASHTRA</b>														
Mumbai	19052	23061	26867	39067	44540	42915	46826	46527	47776	47824	50331	53141	54076	54612
J. L. Nehru	14794	16633	19516	23270	29434	28166	32382	33414	33218	33692	31233	34553	35359	34982
Other Ports	9301	10533	9420	10393	9526	7706	11063	12269	16298	20389	21899	22950	24474	29010
Total	43147	50227	55803	72730	83500	78787	90271	92210	97292	101905	103463	110644	113909	118604
Overseas	35481	39558	47210	55846	62069	56983	68231	70526	77379	82376	78836	83045	91276	87803
Coastal	7666	10669	8593	16884	21439	21804	22040	21684	19913	19529	24627	27599	22633	30801
<b>GOA</b>														
Mormugao	4468	5631	6074	7050	7185	7012	7892	9200	9132	9070	9405	11381	15369	15848
Other Ports	418	251	333	279	89	0	218	113	165	113	284	413	170	15
Total	4886	5882	6407	7329	7274	7012	8110	9313	9297	9183	9689	11794	15539	15863
Overseas	3659	5035	5852	6705	6636	6395	7088	8389	8477	8560	9166	11110	14806	15030
Coastal	1227	847	555	624	638	617	1022	924	820	623	523	684	733	833
<b>KARNATAKA</b>														
New Mangalore	13047	15512	16519	17922	19625	19964	21569	21066	23684	27322	29254	28326	27981	31124
Other Ports	348	445	349	355	198	82	291	185	167	296	390	348	457	516
Total	13395	15957	16868	18277	19823	20046	21860	21251	23851	27618	29644	28674	28438	31640
Overseas	10657	11641	12758	13528	16759	16815	18096	17601	20358	23517	26021	25860	25662	26110
Coastal	2738	4316	4110	4749	3064	3231	3764	3650	3493	4101	3623	2814	2776	5530
<b>KERALA</b>														
Cochin	11018	10950	10968	11785	12189	12783	13834	13960	15775	16012	16696	17536	18182	20248
Other Ports	40	46	84	111	17	48	34	38	17	16	18	56	28	22
Total	11058	10996	11052	11896	12206	12831	13868	13998	15792	16028	16714	17592	18210	20270
Overseas	8174	8331	8044	8959	8529	9343	9570	10227	10563	10799	10611	12322	12147	14595
Coastal	2884	2665	3008	2937	3677	3488	4298	3771	5229	5229	6103	5270	6063	5675
<b>TAMIL NADU</b>														
V.O.Chidambaranar	10184	12060	13375	13502	15472	16370	18652	18394	19561	19854	20978	23993	27367	27997
Chennai	20302	24745	27203	30759	32859	34645	38114	40325	36815	34374	32533	33688	32537	33332
Kamarajar	9277	8960	8631	8990	9373	10389	9767	9957	13712	16146	24922	27664	29602	27547
Other Port	512	547	455	527	621	600	839	1117	851	574	549	599	569	844
Total	40275	46312	49664	53778	58325	62004	67372	69793	70939	70948	78982	85944	90075	89720
Overseas	18170	25179	30941	34659	39721	43203	48276	51041	52035	51749	57761	63866	62830	64312
Coastal	22105	21133	18723	19119	18604	18801	19096	17635	18904	19199	21221	22078	27245	25408

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

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

('000 Tonnes)

Port/State/Type of Traffic	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	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>PONDICHERY</b>															
Other Ports	37	33	40	16	10	47	1278	4627	6240	6436	5938	4821	5836	8401	
Total	37	33	40	16	10	47	1278	4627	6240	6436	5938	4821	5836	8401	
Overseas	37	33	40	16	10	47	1278	4627	6240	6436	5938	4499	5569	7638	
Coastal	-	-	-	-	-	-	-	-	-	-	-	322	267	763	
<b>ANDHRA PRADESH</b>															
Visakhapatnam	26367	25232	30651	32555	35675	35660	35477	36128	38691	35274	33683	38760	39586	37281	
Other Ports	5469	9165	8818	8953	9433	15587	23987	30000	33572	40603	46567	72957	63179	55850	
Total	31836	34397	39469	41508	45108	51247	59464	66128	72263	75877	80250	111717	102765	93131	
Overseas	23641	29206	33185	35140	38045	43889	52727	59427	64484	66651	71265	100759	90310	81319	
Coastal	8195	5191	6284	6368	7063	7358	6737	6701	7779	9226	8985	10958	12455	11812	
<b>ORISSA</b>															
Paradip	6705	8438	11424	13662	16854	19891	29175	31222	35993	39116	40672	46265	48230	53887	
Other Ports	-	-	-	-	206	201	174	174	5064	8733	10225	14051	13954	14580	
Total	6705	8438	11424	13362	17060	20092	29349	31396	41057	47849	50897	60316	62184	68467	
Overseas	5896	7931	10950	12826	15309	18683	27683	29832	38854	45581	48734	58440	60574	67802	
Coastal	809	507	474	836	1751	1409	1666	1564	2203	2268	2163	1876	1610	665	
<b>WEST BENGAL</b>															
KDS	7559	8201	8628	9780	10362	8800	8269	7258	7003	6471	6711	26432	10541	10118	
HDC	22677	25005	28110	28535	28679	27873	21582	23257	20965	20546	20713	9817	28836	26889	
Other Ports	-	-	-	-	-	-	-	-	0	0	0	0	0	0	
Total	30236	33206	36738	38315	39041	36673	29851	30515	27968	27017	27424	36249	39377	37007	
Overseas	25580	29298	32346	34594	35761	32920	25577	25734	24409	24528	25073	31875	35293	33253	
Coastal	4656	3908	4392	3721	3280	3753	4274	4781	3559	2489	2351	4374	4084	3754	
<b>SEA-ISLAND</b>															
Other Ports	489	661	666	1046	1376	1360	1584	1353	986	887	963	1006	1044	987	
Total	489	661	666	1046	1376	1360	1584	1353	986	887	963	1006	1044	987	
Overseas	-	5	4	6	9	76	476	342	10	7	51	17	45	48	
Coastal	489	656	662	1040	1367	1284	1108	1011	976	880	912	989	999	939	
<b>ALL INDIA</b>															
MAJOR PORTS	196664	216434	243697	278123	310651	318668	345432	351949	362737	369103	378429	421293	446538	455456	
Other Ports	70561	80988	86047	108261	123912	136265	184595	203378	238851	281115	313883	356728	348553	355299	
Total	267225	297422	329744	386384	434563	454933	530027	555327	601588	650218	692312	778021	795091	810755	
Overseas	204510	234881	269053	316311	360200	378730	446392	471637	516926	564584	598656	680727	696994	700559	
Coastal	62715	62541	60691	70073	74363	76203	83635	83690	84662	85634	93656	97294	98097	110196	

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

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

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
1981-82	39.78	32.23	72.01	8.61	7.36	15.97	48.39	39.59	87.98
1982-83	41.08	29.16	70.24	10.57	12.89	23.46	51.65	42.05	93.70
1983-84	38.80	29.07	67.87	13.41	15.10	28.51	52.21	44.17	96.38
1984-85	39.62	33.97	73.59	15.71	16.52	32.23	55.33	50.49	105.82
1985-86	45.82	36.73	82.55	22.16	14.91	37.07	67.98	51.64	119.62
1986-87	43.58	39.79	83.37	23.36	17.64	41.00	66.94	57.43	124.37
1987-88	49.95	40.15	90.10	23.39	21.11	44.50	73.34	61.26	134.60
1988-89	55.40	43.79	99.19	25.91	21.96	47.87	81.31	65.75	147.06
1989-90	54.13	45.26	99.39	26.72	21.46	48.18	80.85	66.72	147.57
1990-91	59.02	43.63	102.65	26.07	22.95	49.02	85.09	66.58	151.67
1991-92	59.91	44.89	104.80	26.66	25.18	51.84	86.57	70.07	156.64
1992-93	74.09	43.28	117.37	24.35	24.78	49.13	98.44	68.06	166.50
1993-94	76.02	53.48	129.50	24.81	24.71	49.52	100.83	78.19	179.02
1994-95	83.60	52.18	135.78	29.60	30.51	60.11	113.20	82.69	195.89
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

Table

## 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
1975-76	3.20	16.65	-	12.77	0.34	4.26	1.36	7.88	-	8.55	3.33	7.66	66.00
1980-81	8.76	16.98	-	13.77	0.96	5.23	2.56	10.38	-	10.12	2.24	9.27	80.27
1981-82	9.69	19.40	-	14.98	1.64	5.50	2.67	11.41	-	10.99	2.23	9.47	87.98
1982-83	12.36	23.21	-	12.81	2.27	5.71	3.23	12.07	-	10.22	1.57	10.25	93.70
1983-84	14.16	23.89	-	12.84	2.84	5.00	3.55	12.84	-	9.88	1.37	10.01	96.38
1984-85	15.74	26.94	-	14.30	3.38	4.07	3.77	14.13	-	11.08	2.14	10.27	105.82
1985-86	16.49	24.31	-	16.12	3.69	5.28	4.22	18.15	-	15.91	3.33	12.13	119.63
1986-87	16.19	25.08	-	14.92	5.43	6.88	4.13	19.78	-	15.04	4.85	12.07	124.37
1987-88	18.08	29.57	-	13.33	6.11	6.80	4.26	22.82	-	15.37	5.19	13.07	134.60
1988-89	17.81	29.34	-	15.39	7.09	7.82	5.13	23.86	-	20.37	6.03	14.22	147.06
1989-90	18.92	27.75	0.70	14.17	7.66	7.12	5.32	23.94	-	21.12	6.18	14.69	147.57
1990-91	19.69	28.90	2.02	14.91	8.02	7.28	5.08	24.52	-	19.42	6.88	14.95	151.67
1991-92	21.00	26.26	2.79	15.10	8.27	7.48	5.87	25.05	-	21.52	7.30	16.00	156.64
1992-93	22.91	28.95	3.01	16.31	7.09	7.98	6.22	25.33	-	22.76	7.60	18.34	166.50
1993-94	24.50	30.51	3.38	18.72	8.63	7.62	6.70	26.54	-	25.59	8.33	18.50	179.02
1994-95	26.50	30.67	5.01	18.88	8.01	8.63	8.04	29.46	-	30.03	10.12	20.54	195.89
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

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>								
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
<b>DEENDAYAL</b>								
1987-88	13395	207	191	0	0	812	3478	18083
1988-89	13238	235	204	0	0	580	3550	17807
1989-90	14354	302	730	0	0	436	3103	18925
1990-91	15062	308	737	0	0	585	2993	19685
1991-92	16503	365	936	0	0	940	2258	21002
1992-93	17951	448	945	0	0	600	2966	22910
1993-94	18157	824	1043	0	0	629	3847	24500
1994-95	18898	705	1174	0	0	689	5036	26502
1995-96	21126	676	1102	0	0	2038	5397	30339
1996-97	25061	366	1335	0	0	1951	5017	33730
1997-98	29036	732	1550	0	0	1386	6197	38901
1998-99	30468	588	1629	0	736	1697	5519	40637
1999-00	34612	1020	1746	0	829	1050	7046	46303
2000-01	25094	471	1694	0	624	1273	7585	36741
2001-02	22709	611	2129	0	381	2584	9314	37728
2002-03	23014	516	2429	0	255	5445	8974	40633
2003-04	23625	502	2169	0	244	4804	10179	41523
2004-05	22120	678	2441	0	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

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	0	-	572	8446	29568
1988-89	19063	162	1266	0	-	860	7991	29342
1989-90	18210	141	1082	0	-	432	7881	27746
1990-91	19670	46	621	0	-	625	7937	28899
1991-92	19512	37	457	0	-	340	5915	26261
1992-93	20303	39	928	0	-	544	7232	29046
1993-94	20820	57	845	0	-	763	8021	30506
1994-95	18833	70	892	0	-	616	10262	30673
1995-96	21138	105	735	0	-	1209	10729	33916
1996-97	18712	50	673	0	-	114	14178	33727
1997-98	16732	60	818	0	-	24	14463	32097
1998-99	16671	96	806	0	-	30	13367	30970
1999-00	16785	140	749	0	-	141	12597	30412
2000-01	15641	139	561	0	-	186	10536	27063
2001-02	15710	108	552	0	-	123	9940	26433
2002-03	16039	125	339	0	-	163	10130	26796
2003-04	18576	113	406	0	-	129	10771	29995
2004-05	19396	161	413	0	-	224	14993	35187
2005-06	27781	171	424	0	1844	98	13872	44190
2006-07	24281	136	337	0	2533	857	24220	52364
2007-08	37074	102	231	0	2872	532	16227	57038
2008-09	34571	136	210	0	3676	479	12804	51876
2009-10	34538	201	241	0	3815	17	0	38812
2010-11	32990	155	300	0	6368	745	14028	54586
2011-12	30611	230	174	0	4622	894	19655	56186
2012-13	34751	156	356	0	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
<b>J.L.NEHRU</b>								
1990-91	-	516	850	-	0	-	656	2022
1991-92	-	623	820	-	0	-	1351	2794
1992-93	-	588	114	-	0	577	1728	3007
1993-94	-	855	23	-	0	275	2234	3387
1994-95	-	1187	125	-	0	-	3696	5008
1995-96	139	1716	179	648	0	68	4123	6873
1996-97	252	984	363	686	0	380	5404	8069
1997-98	681	881	75	657	0	355	6246	8895
1998-99	1271	796	93	531	0	418	8614	11723
1999-00	1413	627	164	48	0	555	12169	14976
2000-01	1811	246	148	-	0	-	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

(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
<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

**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	0	-	23	546	6802
1988-89	6268	139	549	0	-	175	693	7824
1989-90	5589	209	680	0	-	45	601	7124
1990-91	5804	181	684	0	-	40	566	7275
1991-92	5881	148	821	0	-	19	612	7481
1992-93	6222	136	800	0	-	90	730	7978
1993-94	6101	39	704	0	-	-	776	7620
1994-95	6635	95	816	0	-	-	1085	8631
1995-96	9416	194	803	0	-	9	1081	11503
1996-97	9218	194	786	0	119	32	1393	11742
1997-98	9613	160	688	0	141	164	1557	12323
1998-99	9665	72	683	0	157	289	1815	12681
1999-00	9885	53	616	0	156	98	2033	12841
2000-01	9681	28	594	0	176	12	2653	13144
2001-02	8588	107	539	0	92	11	2722	12059
2002-03	9368	97	534	0	187	18	2820	13024
2003-04	9960	101	403	0	142	-	2966	13572
2004-05	10277	71	495	0	210	-	3050	14103
2005-06	9641	81	646	0	199	-	3321	13888
2006-07	10475	79	560	0	219	184	3740	15257
2007-08	11300	83	271	27	246	6	3877	15810
2008-09	10492	193	265	0	259	-	4285	15494
2009-10	11938	135	211	0	148	-	4997	17429
2010-11	12121	76	353	0	40	-	5283	17873
2011-12	14084	115	315	0	34	-	5542	20090
2012-13	14027	22	331	0	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
<b>V.O.Chidambaranar</b>								
1987-88	364	106	320	0	2904	70	497	4261
1988-89	468	145	532	0	2981	408	591	5125
1989-90	476	434	231	0	2926	159	1098	5324
1990-91	470	288	327	0	2635	110	1245	5075
1991-92	496	302	442	0	3116	75	1437	5868
1992-93	510	378	431	0	3162	189	1545	6215
1993-94	463	205	209	0	3937	29	1857	6700
1994-95	417	221	463	0	4495	-	2445	8041
1995-96	434	412	376	0	5620	16	2428	9286
1996-97	466	259	364	0	5493	131	2461	9174
1997-98	459	512	711	0	5578	146	2568	9974
1998-99	441	413	849	0	5204	194	3049	10150
1999-00	532	423	791	0	4163	196	3888	9993
2000-01	460	332	884	0	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



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>CHENNAI</b>								
1986-87	6724	620	259	5304	781	98	5989	19775
1987-88	7337	373	317	5400	1866	45	7481	22819
1988-89	8769	410	326	5746	2616	471	5225	23563
1989-90	8455	422	311	6046	3643	137	4926	23940
1990-91	8162	501	343	5549	4353	65	5545	24518
1991-92	8649	544	288	5406	5051	77	5031	25046
1992-93	8632	582	271	4838	5588	242	5178	25331
1993-94	9143	858	288	4540	5857	89	5766	26541
1994-95	11942	834	403	5149	6448	10	4678	29464
1995-96	11419	963	374	4951	7530	32	5452	30721
1996-97	11762	520	343	4665	8796	107	5655	31848
1997-98	11585	946	428	6232	10463	162	5715	35531
1998-99	10565	712	441	5445	11944	151	5944	35202
1999-00	10173	731	479	6259	12522	327	6952	37443
2000-01	8896	459	714	7049	14996	164	8942	41220
2001-02	8473	459	533	7482	9656	3	9509	36115
2002-03	8946	420	422	7945	5818	5	10131	33687
2003-04	9200	412	470	8359	5631	20	12618	36710
2004-05	11422	572	459	9615	7511	30	14197	43806
2004-05	13113	701	414	9527	7078	1	16414	47248
2006-07	12987	654	380	10531	3345	661	24856	53414
2007-08	12713	585	266	10781	9698	84	23027	57154
2008-09	13132	516	267	6846	9848	22	26860	57491
2009-10	13321	357	254	8027	3059	-	36039	61057
2010-11	13991	434	337	2114	2023	86	42475	61460
2011-12	13290	394	249	97	961	190	40526	55707
2012-13	13376	190	231	52	0	314	39241	53404
2013-14	12878	160	255	0	0	306	37506	51105
2014-15	12659	272	270	0	0	37	39303	52541
2015-16	11891	61	199	0	0	0	37907	50058
2016-17	12216	62	206			571	37159	50214
<b>Kamarajar</b>								
2001-02	-	-	-	-	3401	-	-	3401
2002-03	-	-	-	-	8485	-	-	8485
2003-04	-	-	-	-	9277	-	-	9277
2004-05	104	-	-	520	8856	-	-	9480
2005-06	244	-	-	537	8387	-	-	9168
2006-07	188	-	-	1724	8802	-	-	10714
2007-08	319	-	-	2190	9051	-	3	11563
2008-09	366	-	-	1111	9708	-	315	11500
2009-10	395	-	-	936	9279	-	93	10703
2010-11	509	-	-	401	9368	-	731	11009
2011-12	502	-	-	-	13111	-	1343	14956
2012-13	521	-	-	-	14925	-	2439	17885
2013-14	336	-	-	-	10809	-	16192	27337
2014-15	1894	-	-	-	24222	-	4135	30251
2015-16	2443	-	-	-	25612	-	4151	32206
2016-17	2648	-	-	-	23096	-	4276	30020
<b>VISAKHAPATNAM</b>								
1986-87	5307	164	540	5881	976	263	1904	15035
1987-88	5566	108	642	5585	2516	34	920	15371
1988-89	6999	145	701	6930	3810	265	1522	20372
1989-90	6828	410	1115	6791	4221	113	1639	21117
1990-91	5598	459	1290	5496	4889	-	1689	19421
1991-92	6384	504	1325	6161	5648	27	1473	21522
1992-93	7592	484	1336	4960	6021	171	2201	22765
1993-94	7498	682	1092	5230	6624	46	4423	25595
1994-95	11237	790	1337	5551	7771	3	3340	30029
1995-96	12575	1104	1235	5710	8203	353	3637	32817
1996-97	13422	489	1134	5948	9057	405	4043	34498
1997-98	12116	1039	1214	6050	9934	300	5361	36014
1998-99	12503	1634	1251	7339	9180	361	3386	35654
1999-00	15288	2172	1163	7825	9534	261	3267	39510
2000-01	18336	829	907	9269	12185	173	2986	44685
2001-02	18583	986	1033	9199	10677	703	3163	44344
2002-03	16854	716	902	10433	9958	2196	4947	46006
2003-04	17427	838	941	12378	9392	1453	5307	47736
2004-05	14628	1367	1074	16587	10097	825	5570	50148
2005-06	16941	2295	1329	16170	12167	543	6356	55801
2006-07	18178	2618	1298	14718	11401	980	7192	56385
2007-08	18523	4572	716	18948	10367	486	10985	64597
2008-09	19758	3408	726	17519	11020	527	10950	63908
2009-10	18291	2909	775	18944	11722	226	12634	65501
2010-11	19242	3268	811	19347	11464	203	13706	68041
2011-12	17428	3719	832	16243	10063	517	18618	67420
2012-13	13501	2023	565	12569	9746	1121	19513	59038
2013-14	12960	1819	795	13032	9672	817	19409	58504
2014-15	13129	1838	720	8365	8853	75	25024	58004
2015-16	14873	1996	799	6088	8501	86	24692	57035
2016-17	13051	1886	778	11620	7760	559	25366	61020

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>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
<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

Table 3.2.4

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

(In 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>DEENDAYAL</b>									
1995-96	21626	4356	25982	4247	110	4357	25873	4466	30339
1996-97	24360	4331	28691	4907	132	5039	29267	4463	33730
1997-98	29755	3702	33457	5266	178	5444	35021	3880	38901
1998-99	31626	4023	35649	4831	157	4988	36457	4180	40637
1999-00	34700	3402	38102	7935	266	8201	42635	3668	46303
2000-01	26704	4400	31104	5250	387	5637	31954	4787	36741
2001-02	26434	6855	33289	3590	849	4439	30024	7704	37728
2002-03	26865	9377	36242	3394	997	4391	30259	10374	40633
2003-04	27906	9207	37113	3308	1102	4410	31214	10309	41523
2004-05	28328	8655	36983	3678	890	4568	32006	9545	41551
2005-06	31516	9457	40973	4215	719	4934	35731	10176	45907
2006-07	36601	10684	47285	4645	1052	5697	41246	11736	52982
2007-08	43591	14623	58214	4813	1893	6706	48404	16516	64920
2008-09	50663	14014	64677	3537	4010	7547	54200	18024	72224
2009-10	57505	11830	69335	4388	5777	10165	61893	17607	79500
2010-11	57285	15258	72543	3956	5381	9337	61241	20639	81880
2011-12	56374	15987	72361	4038	6102	10140	60412	22089	82501
2012-13	59059	21037	80096	4343	9180	13523	63402	30217	93619
2013-14	58048	18590	76638	3250	7117	10367	61298	25707	87005
2014-15	65844	17451	83295	3893	5309	9202	69737	22760	92497
2015-16	75089	15719	90808	3783	4867	8650	78872	20586	99458
2016-17	77573	20775	98348	4018	3076	7094	81591	23851	105442
<b>Mumbai</b>									
1995-96	16990	5722	22712	330	10874	11204	17320	16596	33916
1996-97	18054	6596	24650	316	8761	9077	18370	15357	33727
1997-98	17684	5824	23508	1623	6966	8589	19307	12790	32097
1998-99	17548	5070	22618	1618	6734	8352	19166	11804	30970
1999-00	17512	3922	21434	2879	6099	8978	20391	10021	30412
2000-01	14799	3593	18392	2160	6511	8671	16959	10104	27063
2001-02	14558	3373	17931	2752	5750	8502	17310	9123	26433
2002-03	14588	3464	18052	1821	6923	8744	16409	10387	26796
2003-04	17496	3519	21015	1556	7424	8980	19052	10943	29995
2004-05	19185	4313	23498	3876	7813	11689	23061	12126	35187
2005-06	25249	4222	29471	1618	13101	14719	26867	17323	44190
2006-07	30411	5792	36203	8656	7505	16161	39067	13297	52364
2007-08	31503	5436	36939	13037	7062	20099	44540	12498	57038
2008-09	28210	4591	32801	14705	4370	19075	42915	8961	51876
2009-10	33191	3971	37162	13635	3744	17379	46826	7715	54541
2010-11	34716	4610	39326	11811	3449	15260	46527	8059	54586
2011-12	36536	5393	41929	11240	3017	14257	47776	8410	56186
2012-13	38224	5416	43640	9600	4798	14398	47824	10214	58038
2013-14	35164	5536	40700	15167	3317	18484	50331	8853	59184
2014-15	34043	3657	37700	19098	4862	23960	53141	8519	61660
2015-16	38949	2987	41936	15127	4056	19183	54076	7043	61119
2016-17	31162	3495	34657	23450	5022	28472	54612	8517	63129
<b>J.L.NEHRU</b>									
1995-96	4314	2559	6873	0	0	0	4314	2559	6873
1996-97	4185	3261	7446	623	0	623	4808	3261	8069
1997-98	5052	3418	8470	321	104	425	5373	3522	8895
1998-99	6553	4257	10810	865	48	913	7418	4305	11723
1999-00	8193	5831	14024	880	72	952	9073	5903	14976
2000-01	9120	7644	16764	1491	320	1811	10611	7964	18575
2001-02	11174	9168	20342	1746	433	2179	12920	9601	22521
2002-03	11237	13415	24652	1431	761	2192	12668	14176	26844
2003-04	12964	15487	28451	1830	909	2739	14794	16396	31190
2004-05	14591	15437	30028	2042	738	2780	16633	16175	32808
2005-06	17442	17485	34927	2074	835	2909	19516	18320	37836
2006-07	20994	21047	42041	2276	498	2774	23270	21545	44815
2007-08	26727	26015	52742	2707	389	3096	29434	26404	55838
2008-09	25880	26241	52121	2286	2889	5175	28166	29130	57296
2009-10	30069	25077	55146	2313	3304	5617	32382	28381	60763
2010-11	31080	27524	58604	2334	3379	5713	33414	30903	64317
2011-12	31647	29049	60696	1571	3463	5034	33218	32512	65730
2012-13	32522	28503	61025	1170	2293	3463	33692	30796	64488
2013-14	29685	28969	58654	1548	2131	3679	31233	31100	62333
2014-15	33102	27366	60468	1451	1882	3333	34553	29248	63801
2015-16	33579	26769	60348	1780	1899	3679	35359	28668	64027
2016-17	32744	25367	58111	2238	1802	4040	34982	27169	62151

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>MORMUGAO</b>									
1995-96	2336	15146	17482	483	130	613	2819	15276	18095
1996-97	1156	15260	16416	795	101	896	1951	15361	17312
1997-98	1122	19114	20236	856	90	946	1978	19204	21182
1998-99	1779	15335	17114	781	125	906	2560	15460	18020
1999-00	2278	14784	17062	1019	145	1164	3297	14929	18226
2000-01	2558	15813	18371	1132	125	1257	3690	15938	19628
2001-02	3564	18153	21717	1055	156	1211	4619	18309	22928
2002-03	3379	19076	22455	1001	193	1194	4380	19269	23649
2003-04	3241	23326	26567	1227	80	1307	4468	23406	27874
2004-05	4784	24741	29525	847	287	1134	5631	25028	30659
2005-06	5519	25255	30774	555	359	914	6074	25614	31688
2006-07	6426	26988	33414	624	203	827	7050	27191	34241
2007-08	6547	27539	34086	638	404	1042	7185	27943	35128
2008-09	6395	34255	40650	617	414	1031	7012	34669	41681
2009-10	6870	40429	47299	1022	526	1548	7892	40955	48847
2010-11	8293	40547	48840	907	313	1220	9200	40860	50060
2011-12	8312	29602	37914	820	315	1135	9132	29917	39049
2012-13	8447	8537	16984	623	131	754	9070	8668	17738
2013-14	8882	2132	11014	523	202	725	9405	2334	11739
2014-15	10698	2793	13491	683	537	1220	11381	3330	14711
2015-16	14636	5039	19675	733	368	1101	15369	5407	20776
2016-17	15030	17107	32137	818	226	1044	15848	17333	33181
<b>NEW MANGALORE</b>									
1995-96	1077	6528	7605	806	473	1279	1883	7001	8884
1996-97	4202	5895	10097	277	2079	2356	4479	7974	12453
1997-98	5823	6441	12264	275	2743	3018	6098	9184	15282
1998-99	6581	5120	11701	348	2157	2505	6929	7277	14206
1999-00	7977	5911	13888	476	3237	3713	8453	9148	17601
2000-01	8227	5349	13576	963	3352	4315	9190	8701	17891
2001-02	7324	5720	13044	1433	3024	4457	8757	8744	17501
2002-03	9426	7843	17269	1166	2995	4161	10592	10838	21430
2003-04	10393	11026	21419	2654	2600	5254	13047	13626	26673
2004-05	11277	14207	25484	4235	4172	8407	15512	18379	33891
2005-06	12570	14330	26900	3949	3602	7551	16519	17932	34451
2006-07	13367	11022	24389	4555	3098	7653	17922	14120	32042
2007-08	16693	13255	29948	2932	3139	6071	19625	16394	36019
2008-09	16760	13871	30631	3204	2856	6060	19964	16727	36691
2009-10	17976	10508	28484	3593	3451	7044	21569	13959	35528
2010-11	17515	7305	24820	3551	3179	6730	21066	10484	31550
2011-12	20276	6751	27027	3408	2506	5914	23684	9257	32941
2012-13	23301	7519	30820	4021	2195	6216	27322	9714	37036
2013-14	25734	7711	33445	3520	2400	5920	29254	10111	39365
2014-15	25608	6060	31668	2718	2180	4898	28326	8240	36566
2015-16	25377	5058	30435	2604	2543	5147	27981	7601	35582
2016-17	25815	5902	31717	5309	2910	8219	31124	8812	39936
<b>COCHIN</b>									
1995-96	3522	1184	4706	5603	1194	6797	9125	2378	11503
1996-97	4497	1190	5687	4990	1065	6055	9487	2255	11742
1997-98	5447	1038	6485	4334	1504	5838	9781	2542	12323
1998-99	6168	952	7120	4083	1478	5561	10251	2430	12681
1999-00	3490	893	4383	7146	1312	8458	10636	2205	12841
2000-01	6278	1072	7350	4783	1011	5794	11061	2083	13144
2001-02	5815	1214	7029	4279	751	5030	10094	1965	12059
2002-03	7230	1108	8338	3669	1017	4686	10899	2125	13024
2003-04	8174	1656	9830	2844	898	3742	11018	2554	13572
2004-05	8324	2027	10351	2626	1126	3752	10950	3153	14103
2005-06	8007	1785	9792	2961	1135	4096	10968	2920	13888
2006-07	8913	1903	10816	2872	1569	4441	11785	3472	15257
2007-08	8529	2130	10659	3660	1491	5151	12189	3621	15810
2008-09	9343	1747	11090	3440	964	4404	12783	2711	15494
2009-10	9570	2314	11884	4264	1281	5545	13834	3595	17429
2010-11	10226	2924	13150	3734	989	4723	13960	3913	17873
2011-12	10563	2737	13300	5212	1578	6790	15775	4315	20090
2012-13	10799	2429	13228	5213	1404	6617	16012	3833	19845
2013-14	10609	2499	13108	6087	1691	7778	16696	4190	20886
2014-15	12322	2411	14733	5214	1648	6862	17536	4059	21595
2015-16	12141	2627	14768	6041	1286	7327	18182	3913	22095
2016-17	14592	3342	17934	5656	1417	7073	20248	4759	25007

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>									
1995-96	2788	1312	4100	5167	19	5186	7955	1331	9286
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
<b>CHENNAI</b>									
1995-96	11693	9259	20952	8740	1029	9769	20433	10288	30721
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
<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

Table 3.2.4 (Contd...)

## Tend 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>VISAKHAPATNAM</b>									
1995-96	14094	7155	21249	3517	8051	11568	17611	15206	32817
1996-97	15807	7243	23050	5407	6041	11448	21214	13284	34498
1997-98	15885	6797	22682	5941	7391	13332	21826	14188	36014
1998-99	16033	6379	22412	6070	7172	13242	22103	13551	35654
1999-00	16379	6299	22678	8772	8060	16832	25151	14359	39510
2000-01	16407	8170	24577	10092	10016	20108	26499	18186	44685
2001-02	18033	9037	27070	9403	7871	17274	27436	16908	44344
2002-03	17148	11394	28542	8576	8888	17464	25274	20282	46006
2003-04	18392	13290	31682	7975	8079	16054	26367	21369	47736
2004-05	20602	15924	36526	4630	8992	13622	25232	24916	50148
2005-06	25055	15075	40130	5596	10075	15671	30651	25150	55801
2006-07	26873	11654	38527	5682	12176	17858	32555	23830	56385
2007-08	29145	15742	44887	6530	13180	19710	35675	28922	64597
2008-09	29200	14158	43358	6460	14090	20550	35660	28248	63908
2009-10	30181	14856	45037	5296	15168	20464	35477	30024	65501
2010-11	30764	14227	44991	5364	17686	23050	36128	31913	68041
2011-12	33120	11633	44753	5571	17096	22667	38691	28729	67420
2012-13	30008	11203	41211	5266	12561	17827	35274	23764	59038
2013-14	29499	11899	41398	4184	12922	17106	33683	24821	58504
2014-15	34173	9234	43407	4587	10010	14597	38760	19244	58004
2015-16	35546	6779	42325	4040	10670	14710	39586	17449	57035
2016-17	33911	9258	43169	3370	14481	17851	37281	23739	61020
<b>PARADIP</b>									
1995-96	4135	2200	6335	65	4859	4924	4200	7059	11259
1996-97	3733	1818	5551	126	5903	6029	3859	7721	11580
1997-98	4379	1676	6055	109	7138	7247	4488	8814	13302
1998-99	3939	1343	5282	568	7258	7826	4507	8601	13108
1999-00	4237	1933	6170	539	6927	7466	4776	8860	13636
2000-01	6015	3793	9808	833	9259	10092	6848	13052	19900
2001-02	5742	4415	10157	920	10054	10974	6662	14469	21131
2002-03	5914	5786	11700	1077	11124	12201	6991	16910	23901
2003-04	5896	7254	13150	809	11352	12161	6705	18606	25311
2004-05	7931	10649	18580	507	11017	11524	8438	21666	30104
2005-06	10950	12101	23051	474	9584	10058	11424	21685	33109
2006-07	12826	13951	26777	836	10904	11740	13662	24855	38517
2007-08	15103	14793	29896	1751	10790	12541	16854	25583	42437
2008-09	18482	15181	33663	1409	11340	12749	19891	26521	46412
2009-10	27509	17206	44715	1666	10630	12296	29175	27836	57011
2010-11	29658	14995	44653	1564	9821	11385	31222	24816	56038
2011-12	33790	7507	41297	2203	10754	12957	35993	18261	54254
2012-13	36848	2098	38946	2268	15338	17606	39116	17436	56552
2013-14	38509	7346	45855	2163	19985	22148	40672	27331	68003
2014-15	44389	1692	46081	1876	23054	24930	46265	24746	71011
2015-16	46683	770	47453	1547	27397	28944	48230	28167	76397
2016-17	53291	10174	63465	597	24897	25494	53888	35071	88959
<b>KOLKATA/HALDIA</b>									
1995-96	12283	1822	14105	2832	4578	7410	15115	6400	21515
1996-97	13505	1906	15411	2723	4990	7713	16228	6896	23124
1997-98	16757	2247	19004	2902	6251	9153	19659	8498	28157
1998-99	18987	1707	20694	2576	6117	8693	21563	7824	29387
1999-00	22350	1803	24153	2586	4287	6873	24936	6090	31026
2000-01	20254	2405	22659	2925	4416	7341	23179	6821	30000
2001-02	20697	3740	24437	2275	3691	5966	22972	7431	30403
2002-03	22089	5252	27341	4371	4092	8463	26460	9344	35804
2003-04	25580	7134	32714	4656	3890	8546	30236	11024	41260
2004-05	29298	8788	38086	3908	4213	8121	33206	13001	46207
2005-06	32346	11679	44025	4392	4726	9118	36738	16405	53143
2006-07	34594	12853	47447	3721	3882	7603	38315	16735	55050
2007-08	35761	15151	50912	3280	3137	6417	39041	18288	57329
2008-09	32920	14267	47187	3753	3280	7033	36673	17547	54220
2009-10	25577	13757	39334	4274	2815	7089	29851	16572	46423
2010-11	25734	13654	39388	4781	3376	8157	30515	17030	47545
2011-12	24409	11428	35837	3559	3852	7411	27968	15280	43248
2012-13	24528	9132	33660	2489	3779	6268	27017	12911	39928
2013-14	25073	10327	35400	2351	3635	5986	27424	13962	41386
2014-15	31875	6936	38811	4374	3108	7482	36249	10044	46293
2015-16	35293	7689	42982	4084	3223	7307	39377	10912	50289
2016-17	33253	10465	43718	3754	3479	7233	37007	13944	50951

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>									
1995-96	94858	57243	152101	31790	31317	63107	126648	88560	215208
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

Table 3.2.5

## Container Traffic Handled at Major Ports

(In Million Tonnes)

Item	2002-03	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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>1. LOADED</b>															
i) Indian Lines	2.45	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
ii) Foreign Lines	21.28	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
iii) Total	23.73	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
<b>2. UNLOADED</b>															
i) Indian Lines	2.01	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
ii) Foreign Lines	17.95	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
iii) Total	19.96	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
<b>3. Total</b>															
i) Indian Lines	4.46	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
ii) Foreign Lines	39.23	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
iii) Total	43.69	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
4. General Cargo (Break Bulk & Container)	64.47	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
% Of Container Cargo to general cargo	67.80	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



Table 3.2.6

## Trend in Container Traffic Handled at Major Ports

(In '000 Tonnes)

Item	Deendayal	Mumbai	J. L.Nehru	Mormugao	N.Mangalore	Cochin	V.O. Chidambaranar	Chennai	Visakhapatnam	Paradip	Kolkata Dock System	Haldia Dock Complex	Kamarajar	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>LOADED</b>														
2000-01	806	1766	7547	31	18	1042	940	2880	168	-	817	658	-	16673
2001-02	1164	1188	9954	44	34	1217	1280	2757	178	4	512	975	-	19307
2002-03	1537	811	13282	70	58	1074	1375	3536	191	25	574	1199	-	23732
2003-04	1605	713	15616	77	61	1166	1585	4106	197	58	636	1436	-	27256
2004-05	1477	568	15399	72	71	1264	1961	4718	370	31	1070	1220	-	28221
2005-06	1340	614	17317	67	81	1100	2035	5664	365	48	1252	1044	-	30927
2006-07	1733	631	21582	79	158	1457	2444	6809	512	34	1610	1105	-	38154
2007-08	1546	866	27179	84	166	1553	2877	8679	678	57	1903	1383	-	46971
2008-09	1233	720	25931	87	186	1383	2807	9964	737	34	2307	1319	-	46708
2009-10	1437	58	24609	89	241	1960	3396	11410	884	52	2534	963	-	47633
2010-11	1595	87	26966	95	344	2177	4931	14381	1330	66	2799	1512	-	56283
2011-12	1813	53	28492	111	356	1854	6129	14536	2046	100	3255	1279	-	60024
2012-13	1481	176	27650	111	362	1688	5887	14604	2280	156	3506	1212	-	59113
2013-14	400	9	27843	122	457	1808	6241	13895	2621	86	3702	1247	-	58431
2014-15	0	10	26796	172	434	1785	6645	14354	2277	52	3656	941	-	57122
2015-16	53	112	26309	136	460	1868	7209	14107	2778	62	4322	601	-	58017
2016-17	151	119	24983	168	579	2259	7834	12647	3667	28	4496	1234	1	58166
<b>UNLOADED</b>														
2000-01	481	2598	6731	26	6	630	629	3109	110	8	1194	148	-	15670
2001-02	588	2496	8530	26	11	682	919	3100	143	3	899	548	-	17945
2002-03	688	2332	9582	40	26	997	926	3683	105	8	924	651	-	19962
2003-04	801	2103	12169	56	35	959	1102	4522	80	3	1110	839	-	23779
2004-05	1277	2003	13348	67	65	1059	1244	5146	265	-	1287	809	-	26570
2005-06	971	1531	16460	63	68	1388	1393	6093	266	1	1982	866	-	31082
2006-07	1045	949	19229	76	107	1492	1567	7357	287	0	2393	813	-	35315
2007-08	1070	766	24744	82	153	1630	2753	9371	455	1	3236	1014	-	45275
2008-09	903	571	24671	91	218	2139	2675	10617	624	0	3169	1054	-	46732
2009-10	995	549	28487	140	234	1969	3203	12067	794	0	4111	1105	-	53654
2010-11	991	566	29460	125	224	2242	3238	15040	1242	3	3421	1323	-	57875
2011-12	979	498	29741	168	289	2861	3098	15540	2167	9	3563	1340	-	60253
2012-13	454	653	30261	147	330	2919	3485	15104	2274	15	3454	1657	-	60753
2013-14	53	440	27392	114	290	2977	3888	14435	2295	13	3361	983	-	56241
2014-15	0	534	30137	140	486	3461	4389	15591	2095	15	4454	1017	-	62319
2015-16	3	462	30482	209	646	3917	5179	16100	2367	70	4941	775	1	65151
2016-17	25	520	29547	234	832	4581	5157	16203	2761	14	5391	1233	-	66498
<b>TOTAL</b>														
2000-01	1287	4364	14278	57	24	1672	1569	5989	278	8	2011	806	-	32343
2001-02	1752	3684	18484	70	45	1899	2199	5857	321	7	1411	1523	-	37252
2002-03	2225	3143	22864	110	84	2071	2301	7219	296	33	1498	1850	-	43694
2003-04	2406	2816	27785	133	96	2125	2687	8628	277	61	1746	2275	-	51035
2004-05	2754	2571	28747	139	136	2323	3205	9864	635	31	2357	2029	-	54791
2005-06	2311	2145	33777	130	149	2488	3428	11757	631	49	3234	1910	-	62009
2006-07	2778	1580	40811	155	265	2949	4011	14166	799	34	4003	1918	-	73469
2007-08	2616	1632	51923	166	319	3183	5630	18050	1133	58	5139	2397	-	92246
2008-09	2136	1291	50602	178	404	3522	5482	20581	1361	34	5476	2373	-	93440
2009-10	2432	607	53096	229	475	3929	6599	23477	1678	52	6645	2068	-	101287
2010-11	2586	653	56426	220	568	4419	8169	29421	2572	69	6220	2835	-	114158
2011-12	2792	551	58233	279	645	4715	9227	30076	4213	109	6818	2619	-	120277
2012-13	1935	829	57911	258	692	4607	9372	29708	4954	171	6960	2869	-	119866
2013-14	453	449	55235	236	747	4785	10129	28330	4516	99	7063	2230	-	114672
2014-15	0	544	56933	312	920	5246	11034	29945	4372	67	8110	1958	-	119441
2015-16	56	574	56791	345	1106	5785	12388	30207	5145	132	9263	1376	1	123168
2016-17	175	639	54530	402	1411	6840	12991	28850	6428	42	9887	2467	1	124663

Table 3.2.7

## 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>MUMBAI</b>									
1993-94	7.2	8.6	15.8	-	-	-	-	-	-
1994-95	7.0	12.9	19.9	31.3	26.3	57.6	38.3	39.2	77.5
1995-96	9.0	12.9	21.9	31.4	34.4	65.8	40.4	47.3	87.7
1996-97	3.2	8.4	11.6	25.2	34.0	59.2	28.4	42.4	70.8
1997-98	4.8	12.5	17.3	22.9	28.4	51.3	27.7	40.9	68.6
1998-99	4.6	2.6	7.2	5.3	7.8	13.1	9.9	10.4	20.3
1999-00	3.4	1.5	4.9	1.3	3.5	4.8	4.7	5.0	9.7
2000-01	4.8	7.7	12.5	3.3	5.0	8.3	8.1	12.7	20.8
2001-02	3.2	4.8	8.0	0.3	-	0.3	3.5	4.8	8.3
2002-03	3.6	2.6	6.2	-	-	0.0	3.6	2.6	6.2
2003-04	1.7	1.9	3.6	-	-	0.0	1.7	1.9	3.6
2004-05	0.7	0.5	1.2	0.8	0.8	1.6	1.5	1.3	2.8
2005-06	0.3	0.9	1.2	42.0	41.5	83.5	42.3	42.4	84.7
2006-07	1.3	0.5	1.8	81.7	78.8	160.5	83.0	79.3	162.3
2007-08	1.3	0.5	1.8	81.8	78.8	160.6	83.1	79.3	162.4
2008-09	1.6	0.8	2.4	12.9	13.3	26.2	14.5	14.1	28.6
2009-10	0.9	1.5	2.4	31.0	31.0	62.0	31.9	32.5	64.4
2010-11	1.8	2.1	3.9	6.1	5.9	12.0	7.9	8.0	15.9
2011-12	2.9	1.8	4.7	0.0	0.0	0.0	2.9	1.8	4.7
2012-13	3.2	2.5	5.6	0.0	0.0	0.0	3.2	2.5	5.6
2013-14	1.6	1.4	3.0	0.0	0.0	0.0	1.6	1.4	3.0
2014-15	4.3	3.6	7.9	0.0	0.0	0.0	4.3	3.6	7.9
2015-16	1.2	2.0	3.2	0.0	0.0	0.0	1.2	2.0	3.2
2016-17	9.5	8.0	17.4	0.0	0.0	0.0	9.5	8.0	17.4
<b>COCHIN</b>									
1993-94	1.2	1.3	2.5	28.3	31.3	59.6	29.5	32.6	62.1
1994-95	1.7	1.8	3.5	26.5	30.7	57.2	28.2	32.5	60.7
1995-96	8.6	8.6	17.2	24.9	34.2	59.1	33.5	42.8	76.3
1996-97	4.6	4.7	9.3	23.5	32.8	56.3	28.1	37.5	65.6
1997-98	7.1	7.0	14.1	28.3	30.7	59.0	35.4	37.7	73.1
1998-99	4.9	4.8	9.7	33.2	34.3	67.5	38.1	39.1	77.2
1999-00	9.1	9.3	18.4	28.5	29.1	57.6	37.6	38.4	76.0
2000-01	11.7	10.5	22.2	30.7	31.3	62.0	42.4	41.8	84.2
2001-02	8.9	6.2	15.1	36.8	16.1	52.9	45.7	22.3	68.0
2002-03	2.9	2.9	5.8	45.8	48.7	94.5	48.7	51.6	100.3
2003-04	8.9	8.8	17.7	51.7	48.9	100.6	60.6	57.7	118.3
2004-05	9.6	9.5	19.1	51.3	49.3	100.6	60.9	58.8	119.7
2005-06	10.5	10.6	21.1	50.2	49.9	100.1	60.7	60.5	121.2
2006-07	14.1	14.0	28.1	49.0	54.0	103.0	63.1	68.0	131.1
2007-08	14.0	14.0	28.0	47.9	52.6	100.5	61.9	66.6	128.5
2008-09	19.3	19.2	38.5	40.6	43.7	84.3	59.9	62.9	122.8
2009-10	38.0	38.0	76.0	64.0	72.0	136.0	102.0	110.0	212.0
2010-11	24.1	24.1	48.2	69.1	77.0	146.1	93.2	101.1	194.3
2011-12	25.5	25.5	51.0	120.4	92.2	212.6	145.9	117.7	263.6
2012-13	37.2	36.8	74.0	91.6	84.5	176.1	128.8	121.3	250.0
2013-14	24.9	24.6	49.5	80.4	85.0	165.3	105.3	109.6	214.9
2014-15	27.9	28.3	56.2	0.0	0.0	0.0	27.9	28.3	56.2
2015-16	31.6	35.5	67.2	89.0	95.5	184.5	120.6	131.1	251.6
2016-17	54.8	54.3	109.1	97.5	102.4	199.9	152.3	156.7	309.0
<b>CHENNAI</b>									
1993-94	6.9	-	6.9	41.2	37.3	78.5	48.1	37.3	85.4
1994-95	10.1	-	10.1	38.2	32.4	70.6	48.3	32.4	80.7
1995-96	3.3	...	3.3	42.6	39.9	82.5	45.9	39.9	85.8
1996-97	3.9	...	3.9	40.1	38.1	78.2	44.0	38.1	82.1
1997-98	(a)	(a)	(a)	37.3	38.9	76.2	37.3	38.9	76.2
1998-99	(a)	(a)	(a)	47.6	44.6	92.2	47.6	44.6	92.2
1999-00	0.1	-	0.1	45.6	40.7	86.3	45.7	40.7	86.4
2000-01	0.2	0.1	0.3	51.6	43.8	95.4	51.8	43.9	95.7
2001-02	0.5	0.4	0.9	53.2	45.9	99.1	53.7	46.3	100.0
2002-03	Neg.	Neg.	Neg.	52.9	44.7	97.6	52.9	44.7	97.6
2003-04	Neg.	Neg.	Neg.	55.9	49.5	105.4	55.9	49.5	105.4
2004-05	0.6	0.6	1.2	51.2	48.4	99.6	51.8	49.0	100.8
2005-06	0.9	0.2	1.1	49.4	45.8	95.2	50.3	46.0	96.3
2006-07	0.2	0.3	0.5	39.3	30.8	70.1	39.5	31.1	70.6
2007-08	0.1	0.2	0.3	43.1	38.4	81.5	43.2	38.6	81.8
2008-09	0.3	0.2	0.5	44.0	40.7	84.7	44.3	40.9	85.2
2009-10	0.2	0.0	0.2	39.4	36.6	76.0	39.6	36.6	76.2
2010-11	0.3	0.4	0.7	39.3	35.8	75.1	39.6	36.2	75.8
2011-12	0.2	0.2	0.4	42.2	36.1	78.3	42.3	36.4	78.7
2012-13	0.5	0.7	1.2	29.2	27.3	56.5	29.7	28.1	57.8
2013-14	0.0	0.0	0.0	31.8	26.4	58.2	31.8	26.4	58.2
2014-15	0.9	1.0	1.9	31.3	26.6	57.8	32.2	27.6	59.8
2015-16	0.1	0.1	0.2	25.2	22.2	47.4	25.3	22.3	47.7
2016-17	0.6	0.6	1.2	19.8	15.1	34.9	20.4	15.7	36.1

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>PARADIP</b>									
2009-10	-	-	-	-	-	-	-	-	-
2010-11	-	-	-	-	-	-	-	-	-
2011-12	-	-	-	-	-	-	-	-	-
2012-13	-	-	-	-	-	-	-	-	-
2013-14	-	-	-	-	-	-	-	-	-
2014-15	-	-	-	-	-	-	-	-	-
2015-16	-	-	-	-	-	-	-	-	-
2016-17	-	-	-	-	-	-	-	-	-
<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	-	-	-	-	-	-	-	-	-
216-17	-	-	-	-	-	-	-	-	-
<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
<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

Table 3.2.7

## 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	0	0	2.6	0	0	26.7	0	0	29.3
2006-07	0	0	11.9	0	0	30.4	0	0	42.3
2007-08	0	0	13.0	-	-	-	0	0	13.0
2008-09	0	0	10.9	-	-	-	0	0	10.9
2009-10	0	0	18.7	0	0	0	0	0	18.7
2010-11	0	0	9.4	0	0	0	0.0	0.2	9.4
2011-12	0	0	19.7	0	0	0	0.2	0.2	19.7
2012-13	0	0	0	0	0	0	0.1	0.2	18.1
2013-14	0.2	0.3	17.4	0	0	0	0.2	0.3	17.4
2014-15	0.3	0.2	21.1	0	0	0	0.3	0.2	21.1
2015-16	0.3	0.3	30.9	0	0	0	0.3	0.3	30.9
2016-17	0.3	0.4	43.9	0	0	0	0.3	0.4	43.9
<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
<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	382.0	196.0	182.7	408.0
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	483.3
2009-10	21.3	20.3	52.5	139.6	137.7	277.3	160.9	158.0	329.8
2010-11	26.2	26.6	62.2	157.1	162.2	319.3	183.3	189.0	381.5
2011-12	36.2	39.9	95.8	202.6	167.0	369.6	239.1	207.0	465.4
2012-13	40.8	50.2	91.0	153.9	145.1	299.1	194.9	195.6	408.2
2013-14	26.7	33.5	77.1	148.0	142.9	290.9	174.6	176.4	368.0
2014-15	33.4	44.5	98.4	66.7	54.4	121.1	100.1	98.8	219.5
2015-16	33.2	57.1	120.6	144.7	142.7	287.4	177.8	199.8	408.0
2016-17	65.8	63.3	201.1	138.0	133.7	271.7	203.8	197.0	472.8

(a) : Included in coastal.

Note : There was no Passenger Traffic at Kandla, J. L. Nehru and Kamarajar Ports for the period 1993-94 to 2016-17







Table 3.2.9

## 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>DEENDAYAL</b>													
1995-96	20099	7491	5424	3428	7548	1443	0	18	856	508	6271	846	1248
1996-97	25496	9217	6126	4253	8646	1606	0	132	1244	611	9480	1278	1337
1997-98	28813	9793	7497	4858	10178	1788	0	31	1389	653	9749	824	1639
1998-99	34492	13382	10564	4029	11339	1853	0	18	1324	872	11265	4757	1853
1999-00	36985	15493	9839	6823	11304	2301	0	4	1377	1054	14465	2851	2460
2000-01	32660	15595	8413	5098	8087	2317	0	4	1598	1054	14562	4055	3067
2001-02	33724	14484	8565	3704	7975	2432	0	5	1425	1078	15759	3991	3274
2002-03	37440	20233	10399	6753	9040	2671	0	7	1758	1037	16243	6262	3503
2003-04	38783	29721	10124	8151	9444	3013	0	4	1523	1282	17692	13163	4108
2004-05	38601	19258	10630	8354	10489	3402	0	5	2507	1330	14975	1980	4187
2005-06	38612	18611	10702	7937	12867	3609	0	10	1850	1549	13193	1323	4183
2006-07	46644	25019	13431	8609	16629	6330	0	274	3066	1492	13518	3834	4480
2007-08	50577	25868	14310	11098	18142	6892	0	93	1706	1774	16419	1071	4940
2008-09	59171	36840	18917	15497	19814	8297	0	30	2145	2677	18295	4176	6163
2009-10	63406	43239	20692	16497	22509	9335	0	224	1718	2832	18487	7190	7161
2010-11	67664	51516	20168	15751	24378	11856	0	30	4645	2923	18473	13300	7656
2011-12	82238	62186	29075	25583	29332	16303	110	55	3854	2888	19867	8889	8468
2012-13	98293	59327	39531	24627	30044	13289	104	272	8362	3552	20252	7830	9757
2013-14	100804	87490	38544	33129	24659	12494	77	117	11132	4082	26392	27467	10201
2014-15	104828	100133	40393	30299	28575	14737	130	100	19372	4963	16358	38074	11960
2015-16	118940	76728	49720	36865	32048	19506	94	183	16352	5604	20726	14570	0
2016-17	157184	87799	62779	38772	45099	21021	261	732	30175	5354	18870	21920	0
<b>MUMBAI</b>													
1995-96	68243	42809	13620	5954	42318	14427	610	1669	1640	2766	10055	11450	6543
1996-97	68852	49660	13362	9973	43570	15598	491	1826	1835	3229	9594	12217	6817
1997-98	68520	51160	16311	9898	40237	16553	496	1801	3594	3608	7882	11637	7663
1998-99	68632	57868	16680	11068	39245	18056	771	1890	4035	3735	7901	14428	8691
1999-00	63379	55038	16276	10751	32683	17642	625	1748	3683	3523	10112	12760	8614
2000-01	56331	93066	15860	13620	27101	20969	312	1784	3146	3876	9912	42984	9833
2001-02	55604	71554	15065	10826	25002	17868	308	1375	3437	3808	11792	29458	8219
2002-03	91344	59958	17007	10122	24315	18305	291	1434	4279	4945	45452	16859	8293
2003-04	49269	65523	15426	10091	26208	18256	299	1540	4106	3608	3230	23265	8763
2004-05	84252	79576	21997	12777	30211	19376	412	1455	4476	3570	27156	33656	8742
2005-06	100233	72119	24198	11555	35369	19665	647	1780	5810	3898	34209	26078	9143
2006-07	115573	97806	26733	12472	40423	21371	1069	2009	7596	4225	39752	47543	10186
2007-08	131262	104956	26032	13573	44466	24090	1109	2124	10208	4852	49447	48231	12086
2008-09	129787	120080	27899	17475	44621	24566	1036	2185	7319	5834	48912	57091	12929
2009-10	131502	129388	34131	17052	44523	29628	731	2670	10129	6599	41988	57366	16073
2010-11	143686	147982	35667	17322	55402	45705	948	2795	10788	6324	40881	54200	21636
2011-12	158156	168092	37778	17884	58417	48392	1468	3024	11965	6686	48528	68624	23482
2012-13	167959	195725	47741	19670	62694	57516	1181	3332	11118	7471	45225	80166	27570
2013-14	171248	207318	49721	22017	61885	58865	1326	3397	23528	7143	34788	90361	25535
2014-15	162641	185324	50066	21474	60727	48914	1478	2799	27707	7375	22663	78514	26248
2015-16	163192	210528	53105	22606	68644	46491	1012	2382	25077	7924	15354	102960	28165
2016-17	160723	193411	56996	21998	60927	48155	642	2509	29212	7678	12946	82244	30827



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>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	216623	82149	35880	19037	124924	37348	0	121	9292	3515	46527	1653	20475
<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	39814	11498	9431	11014	11462	9511	2337	2262	693	1123	10916	4975
2016-17	46944	46340	16430	9451	14692	13544	10878	3010	2360	794	2584	14233	5308

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	19920	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
<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	19560	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	55087	20118	17814	14722	5524	0	0	8885	2169	7310	18452	11128
2016-17	54504	68221	23275	17981	16862	5503			9487	13367	4880	20369	11001

**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>V.O. CHIDAMBARANAR</b>													
1995-96	5979	3634	1613	875	3542	737	9	50	241	231	574	816	925
1996-97	6709	4063	1885	931	3710	790	57	58	232	247	825	939	1098
1997-98	8649	5025	2271	1193	4676	915	93	129	479	259	1130	1314	1215
1998-99	9594	5957	2710	1308	5194	999	119	205	520	402	1051	1493	1550
1999-00	10217	6528	2920	1560	4981	1156	136	137	977	460	1203	1303	1912
2000-01	13128	9390	4637	1952	5796	1195	154	165	870	594	1671	3378	2106
2001-02	13538	9489	4983	1980	5647	1089	189	163	886	666	1833	3680	1911
2002-03	14474	9418	5500	2240	5641	1102	265	158	1053	675	2015	3319	1924
2003-04	11994	9428	2325	2668	6136	1113	189	165	812	613	2532	2950	1919
2004-05	16335	9416	5942	2581	7043	1065	181	208	613	208	2556	2979	2375
2005-06	18158	9119	6692	2437	8474	1092	190	195	548	209	2254	2962	2224
2006-07	21173	9829	7769	2900	9689	1082	276	190	567	198	2872	2932	2527
2007-08	22504	10944	7006	3011	11648	1245	277	331	604	225	2969	3468	2664
2008-09	25821	13476	7358	4351	13474	1579	349	270	792	172	3848	3628	3476
2009-10	28298	15381	8010	4522	14586	1799	356	533	818	386	4528	3520	4621
2010-11	31273	16377	7917	4407	16846	2057	202	348	1140	390	5168	4408	4767
2011-12	33861	18559	9818	5323	19916	2429	197	394	1136	636	2794	4565	5212
2012-13	40921	28002	10101	6256	25066	8207	139	445	1096	464	4519	6899	5731
2013-14	42410	30000	11099	6607	25014	7439	160	900	1434	1378	4703	6860	6816
2014-15	57599	32375	12731	5601	30997	8696	361	404	2595	1183	10915	9469	7022
2015-16	62338	52379	13790	5333	37416	8273	401	370	3493	9978	7238	20291	8134
2016-17	68670	60288	16470	6511	40237	7738	283	343	2802	10200	8878	26763	8733
<b>CHENNAI</b>													
1995-96	33879	20365	6826	2850	16313	6173	1987	1138	387	170	8366	5175	4859
1996-97	38378	20933	7194	3113	17582	6816	2292	1081	328	187	10982	4452	5284
1997-98	41676	24860	7913	3994	18954	7723	2887	1526	381	232	11541	4912	6473
1998-99	43928	26834	8829	4284	19232	8453	3016	1701	337	276	12514	4898	7222
1999-00	45966	31440	8558	6071	21146	9915	3886	1725	314	235	12062	4712	8782
2000-01	47473	43713	7506	6807	24738	12302	4283	2408	522	289	10424	11228	10679
2001-02	62497	41143	6951	6431	22852	10610	3823	1888	353	253	28518	13052	8909
2002-03	44604	31936	8106	5067	10965	4551	2256	381	304	304	11058	4911	8433
2003-04	41358	33939	10365	4791	23046	10043	3172	1989	273	252	4502	7800	9064
2004-05	47496	35901	11353	5920	25392	10352	3272	1938	347	345	7132	7254	10092
2005-06	52026	36190	11975	5553	26342	11202	3492	2409	1360	434	8857	4895	11697
2006-07	67370	41092	14326	5591	33203	12388	4766	2349	1202	461	13873	6284	14019
2007-08	89040	45914	14696	6396	40568	13699	5074	2716	2471	524	26231	5829	16750
2008-09	85344	58678	16951	6973	43501	16303	4835	2781	1863	564	18194	13127	18930
2009-10	90315	69199	19597	7946	46298	18320	4272	3778	1668	736	18480	15915	22504
2010-11	87577	80770	19111	9384	44532	19458	2868	4099	1881	844	19185	22797	24188
2011-12	84036	81823	17519	9735	41260	17527	2220	3969	1712	786	21325	25343	24463
2012-13	88368	86542	19067	11174	40684	16945	1742	3453	1591	900	25284	27867	26203
2013-14	81175	98553	19724	11085	36978	16700	1984	3677	1346	970	21143	39135	26986
2014-15	92630	90322	23107	9704	43029	16562	2292	3363	1446	789	22756	33840	26064
2015-16	98372	94151	29804	9177	42684	15320	1698	2928	1685	530	22501	37931	28265
2016-17	95216	93957	29134	9343	42211	13951	1934	3004	4264	728	17673	38134	28797
<b>KAMARAJAR</b>													
2001-02	3094	6690	18	-	3059	148	-	-	-	-	17	4959	1583
2002-03	7805	7149	@	@	7687	1829	-	-	@	@	118	4889	431
2003-04	8732	9311	@	@	8564	3185	-	-	@	@	168	5535	591
2004-05	9327	8326	@	@	9200	3468	-	-	@	@	127	4153	705
2005-06	9780	8848	@	@	9232	3290	-	-	@	@	548	4897	661
2006-07	11050	7588	@	@	10105	3337	-	-	@	@	946	3481	770
2007-08	14372	3787	@	@	12802	2995	-	-	@	@	1570	6641*	792
2009-10	14553	9685	@	@	14206	9685	-	-	@	@	347	0	0
2010-11	16810	11252	@	@	16728	11252	-	-	@	@	82	0	0
2011-12	25025	15353	-	-	24864	15353	-	-	-	-	161	0	0
2012-13	32570	15233	-	-	32021	15233	-	-	-	-	549	0	0
2013-14	52065	11801	12156	-	37366	11801	-	-	671	-	1872	-	-
2014-15	59750	15401	13805	-	41518	15401	-	-	1320	-	3107	-	-
2015-16	64456	26885	14262	2752	45236	9736	-	-	2150	-	2808	14397	0
2016-17	64050	18776	14506	2607	44742	12313	-	-	2766	-	2036	3856	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>VISAKHAPATNAM</b>													
1995-96	25802	19947	7000	4022	13241	4075	3473	2711	682	810	1406	5269	3060
1996-97	28349	20951	8063	4246	14413	4998	3756	3050	894	817	1223	4280	3560
1997-98	29441	21936	7773	3962	13776	5233	4749	3380	956	1021	2187	4263	4077
1998-99	29307	22424	8454	3416	13590	5895	4414	2847	917	1455	1932	4299	4512
1999-00	38002	35102	9514	4121	15733	6588	4492	2868	967	1542	7296	14949	5034
2000-01	39782	37836	9693	5146	18118	7237	5575	3861	1480	1707	4916	14085	5800
2001-02	43928	39645	12706	5023	19300	7161	5486	2987	2006	1987	4430	17281	5206
2002-03	44161	38404	13776	4766	21157	6705	5914	2917	1909	1621	1405	16636	5759
2003-04	46541	38760	13303	5033	23386	6434	6602	3324	2138	1651	1112	16634	5684
2004-05	51651	50603	14890	5230	26094	6530	7096	3582	2107	1703	1464	28250	5308
2005-06	54289	33725	15894	5630	27357	7323	7462	3889	2133	1729	1443	9415	5739
2006-07	55468	36686	16264	5814	27197	6935	7039	3589	2875	1752	2093	12307	6289
2007-08	59090	47947	17607	6891	28336	7266	8374	3854	2225	1936	2548	20014	7986
2008-09	65087	48588	18766	6878	28772	9850	8853	4428	3582	2568	5114	13601	11263
2009-10	71767	67392	20574	8540	30967	10774	10618	5708	3921	2408	5687	20921	19041
2010-11	81630	64223	22159	8285	36910	12947	10088	6003	4707	2692	7766	23452	10844
2011-12	118133	127672	22956	9379	33997	13228	10431	6589	5658	2897	45091	84036	11543
2012-13	88952	85248	22189	11203	32179	13472	10565	7011	5355	3021	18664	36306	14235
2013-14	94974	91768	25406	12228	36528	15913	11838	9983	6310	3480	14892	34015	16149
2014-15	96221	85884	24880	9754	37579	12996	12174	7457	6351	3446	15237	36501	15730
2015-16	123697	138478	26993	12749	38298	11168	15379	8251	10926	22572	32101	65371	18367
2016-17	104020	118314	33667	11755	30257	9490	12471	8480	15362	23440	12263	46326	18823
<b>PARADIP</b>													
1995-96	16093	12139	3202	2221	9324	2901	1674	473	949	1031	944	3522	1991
1996-97	17972	13292	3488	2658	9347	3043	1780	557	1656	1116	1701	3381	2537
1997-98	18903	13832	4159	1936	10397	3320	2268	830	849	1555	1230	3500	2691
1998-99	19251	14450	4032	2032	10175	3339	2112	726	960	1888	1972	3109	3356
1999-00	20505	15835	4898	2548	10617	3648	1991	726	936	1781	2063	3501	3631
2000-01	28449	21161	7500	3670	14834	4117	2960	1051	919	2267	2236	6067	3989
2001-02	33217	29932	8214	3587	17403	7668	3309	1549	795	2389	3496	9841	4898
2002-03	40654	32765	8843	3366	25634	8282	2904	2018	740	2520	2533	11586	4993
2003-04	43150	30380	9219	3516	27530	8566	3500	1706	1023	2672	1878	9085	4835
2004-05	49564	35447	10408	4608	31774	9571	3469	1772	1487	2836	2426	11506	5154
2005-06	55259	36127	11851	5188	33880	9737	4583	2356	1037	3715	3908	9930	5201
2006-07	64037	34743	13432	5254	38850	11966	6289	3311	1105	2577	4361	6485	5150
2007-08	67980	34890	13325	6159	41278	12183	8306	4227	1089	2509	3982	3311	6501
2008-09	72486	38734	15044	7727	43711	12839	9001	4267	1014	3615	3716	2916	7370
2009-10	87050	43130	18622	10629	44670	13262	9914	3670	1680	3438	12164	4070	8061
2010-11	85115	43519	17693	9245	41456	13920	9495	4155	1893	3691	14578	4404	8104
2011-12	80984	47679	17731	8997	35100	15057	8715	3276	2392	4963	17046	5913	9473
2012-13	79822	52382	19663	9342	36569	15763	9676	4150	2463	4081	11451	8774	10272
2013-14	106816	72804	26526	15239	48272	18206	13421	4125	3240	4850	15357	17842	12542
2014-15	116043	74313	28937	17613	56412	18634	13451	4361	2813	5026	14430	14541	14138
2015-16	117093	77818	32016	14775	48697	18372	18761	5158	2916	5130	14703	20276	14107
2016-17	126576	84276	35799	14551	55479	19338	20176	5432	3265	5813	11857	23257	15885

**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>HALDIA DOCK COMPLEX</b>													
1995-96	27174	18934	9975	5932	12039	2019	1656	875	1442	891	2062	6889	2328
1996-97	35325	22418	14649	9513	13428	2371	2109	965	1735	1009	3404	5807	2753
1997-98	47977	30927	22965	15728	17041	2749	2489	1127	1680	1064	3802	7163	3096
1998-99	68322	57040	43545	36724	16644	3132	2309	1478	1809	1210	4015	10772	3724
1999-00	59944	51750	36169	29979	15647	3434	2532	1534	2390	1438	3206	10897	4468
2000-01	75312	65655	46974	31983	18356	4152	2746	1445	3027	1698	4209	21386	4991
2001-02	95985	79137	62575	35256	22630	4277	3085	1608	3230	1547	4465	31703	4746
2002-03	69454	56779	31839	33273	25967	4414	3711	1586	3529	1401	4408	11427	4678
2003-04	77801	58936	38433	35247	28208	4370	4103	1873	3955	1416	3102	11282	4748
2004-05	80831	57602	39556	33667	29320	4603	3897	1805	4768	1491	3290	11109	4927
2005-06	90332	65283	41177	42830	31966	5221	4382	1905	5685	1638	7122	8404	5285
2006-07	105835	62300	53621	39588	31963	5290	4563	1757	5662	1815	10026	8278	5572
2007-08	103076	59826	58665	35125	30654	6183	5507	2082	5583	1592	2667	8898	5946
2008-09	106196	86784	58049	37022	30868	6908	6345	2985	6478	1951	4456	30336	7582
2009-10	110676	91548	59478	44190	21964	8295	7576	3330	8324	2555	13334	24081	9097
2010-11	73716	92253	20982	42282	29047	9342	8018	3202	8207	2292	7462	25730	9405
2011-12	83596	95623	23606	39842	34099	12121	9396	4081	10187	2353	6308	26785	10441
2012-13	58185	67954	7213	12812	21283	13837	1515	1491	19636	1679	8538	22803	15332
2013-14	86385	119651	28289	47188	24613	11637	8261	3249	11489	2935	13733	41369	13273
2014-15	58869	72867	10069	15108	28167	16593	2492	2076	13129	891	5012	19454	18745
2015-16	118763	133535	60806	53460	39165	20738	11242	5799	4721	1718	2829	39487	12333
2016-17	133488	124789	57311	44765	55044	31862	11859	5316	5146	1779	4128	41067	0
<b>KOLKATA DOCK SYSTEM</b>													
1995-96	21680	21455	4886	5554	13180	2915	934	745	1894	246	786	6485	5510
1996-97	23990	22571	4869	5871	14218	3067	891	837	2329	355	1683	6354	6087
1997-98	26104	25807	5638	6403	15514	2933	861	1173	2559	424	1532	8380	6494
1998-99	27863	29543	6553	7747	15941	3154	919	1172	2763	625	1687	9589	7256
1999-00	27500	31330	6991	7938	14999	3379	660	1026	3078	593	1772	10332	8062
2000-01	27484	37895	6262	9432	13859	4207	661	1196	3835	841	2867	13224	8995
2001-02	28053	32863	8063	8561	10793	3771	611	1127	3706	700	4880	10591	8113
2002-03	23266	28816	5681	8210	11981	3596	665	833	3455	506	1484	7703	7968
2003-04	21454	30774	3303	7164	11540	3737	675	668	3697	925	2239	11019	7261
2004-05	22985	30177	2563	6724	11710	3732	932	798	5528	984	2252	10847	7092
2005-06	30673	28657	5118	6724	14258	5698	1132	706	8111	952	2054	7299	7278
2006-07	31658	30875	3436	6707	16553	6852	945	999	8259	1182	2465	7714	7421
2007-08	38843	31773	3927	7032	19172	7563	1165	1024	9282	1175	5297	7380	7599
2008-09	37281	52021	4624	8636	17431	8823	1333	1182	9982	1366	3911	22055	9959
2009-10	41937	55616	5925	12169	19382	11227	1565	1532	11558	1433	3507	17256	11999
2010-11	42885	54062	6009	11915	18533	12056	1379	1563	13221	1831	3743	13814	12883
2011-12	61955	59872	6783	12263	19878	12268	2012	1778	25136	1797	8146	17758	14008
2012-13	136789	170042	32100	56614	48318	24447	9768	4490	30607	4453	15996	52843	27195
2013-14	65318	62460	7854	14692	21426	1614	1651	2024	15996	913	18391	25484	17733
2014-15	58869	72867	10069	15108	28167	16593	2492	2076	13129	891	5012	19454	18745
2015-16	74073	99757	18379	23871	44094	29252	2595	3012	5158	2009	3847	37812	3801
2016-17	68720	98079	11642	21154	45326	29703	2565	2904	5183	2192	4004	38369	3757

\* Operating income excluding Dredging Subsidy Receivable from Govt. of India amounting to Rs. 354.53 Crore Haldia Dock Complex and Rs.72.74Crore Kolkata Dock System on actual basis.

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>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	1125023	378508	235204	561681	236008	60983	30650	98636	62058	168305	408226	152877
2016-17	1345573	1111505	414221	228374	594661	257946	61609	31982	124356	75841	150726	365012	152350

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	31084	43725	40054	54188	59498	90753	102390	108861	65068	1035065
2016-17	125675	147754	170097	44359	39733	49623	44411	56013	59248	91758	114720	112537	81540	1137468
<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	16422	36636	23954	56220	9736	55169	57542	79997	56135	654773
2016-17	65879	111167	80497	26798	18560	36851	14591	55823	12313	53164	61020	78406	61268	676337

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	14662	7089	16100	-2032	49762	35584	44848	28864	8933	380292
2016-17	59796	36587	89600	17561	21173	12772	29820	190	46935	38594	53700	34131	20272	461131
<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	69385	-32685	134474	5912	14425	-2716	17117	1259	45274	4532	42301	8699	-25601	282376



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	52.42	75.24	47.32	60.41	46.71	74.26	32.85	99.66	20.78	57.94	53.19	69.67	75.14	59.46

Table 3.2.12

## Employment of Manpower at Major Ports as on 31st March (2006-2017)

In Numbers)

PORT	Year											
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	2	3	4	5	6	7	8	9	10	11	12	13
DPT	3506	3414	4237	4149	4008	3774	4500	4221	3299	3112	2883	3339
MbPT(a)	19682	14935	14481	14296	14059	13391	16379	15358	12017	10897	9969	9445
JNPT	1778	1766	1763	1746	1739	1730	1718	1706	1697	1669	1638	1615
MoPT	3135(a)	3082	3018	2967	2891	2817	2665	2538	2330	2194	2068	1954
NMPT(c)	1908	1832	1770	1819	1719	1636	1544	1435	1332	1255	1125	947
CoPT(a)	3849	4823	4306	4103	3948	3749	3005	2766	2530	2308	2067	1899
VOC(b)	2574	2407	2259	2224	2191	2079	1954	1813	1646	1496	1366	1000
ChPT	8582(a)	9755	9065	8117	8020	7774	7511	6582	5991	5733	5502	4597
KPL	20	45	59	65	86	88	94	100	102	102	102	103
VPT	5216	5208	5069	5052	4877	4584	4189	4941	4703	4596	4158	3678
PPT	3158	3013	2910	2851	2761	2634	2437	2234	2015	1771	1454	1222
KDS	6530	6138	5925	5869	5675	5374	5068	4828	4503	4150	3792	3425
HDC	3964	3793	3694	3620	3498	3304	3111	2887	2678	2454	2193	2011
<b>ALL MAJOR PORTS</b>	63903	60211	58556	56878	55472	52934	54175	51409	44843	41737	38317	35235

(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,2006-2017]**

(In Numbers)

PORT												
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	2	3	4	5	6	7	8	9	10	11	12	13
DPT	708	646	(a)	(a)	(a)	789	(a)	(a)	(a)	(a)	593	593
MbPT	(a)	(a)	(a)	(a)	(a)	2586	(a)	(a)	(a)	(a)	1946	(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	996	966	925	-	978	859	874	846	892	868	829	798
KDS	431	290	195	177	140	100	215	181	173	154	137	116
<b>TOTAL</b>	<b>2135</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>

(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,2006-2017]**

(In Numbers)

PORT												
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
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)	(a)
VPT	152	159	139	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>152</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>

(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>									
2006-07	77431	21579	99010	9150	23105	32255	86581	44684	131265
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 a	207152	76215	283367	19898	6680	26578	227050	82895	309945
2014-15 b	223090	81735	304825	16437	14833	31270	239527	96568	336095
2015-16 c	223393	83215	306608	15449	17721	33170	238842	100936	339778
2016-17 d	225076	82187	307263	19998	18478	38476	245074	100665	345739
<b>MAHARASHTRA</b>									
2006-07	4441	765	5206	5952	422	6374	10393	1187	11580
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
<b>GOA</b>									
2006-07	279	13992	14271	-	35	35	279	14027	14306
2007-08	89	12657	12746	-	79	79	89	12736	12825
2008-09	-	11900	11900	-	1	1	0	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
<b>ANDHRA PRADESH</b>									
2006-07	8267	6882	15149	686	2774	3460	8953	9656	18609
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

\$ : Container cargo is included in Overseas ( Unloaded 116.54 Lakh tonnes &amp; Loaded 129.64 Lakh tonnes )

a : Container cargo is included in Overseas ( Unloaded 179.71 Lakh tonnes &amp; Loaded 190.72 Lakh tonnes )

b : Container cargo is included in Overseas ( Unloaded 219.84 Lakh tonnes &amp; Loaded 216.93 Lakh tonnes )

c : Container cargo is included in Overseas ( Unloaded 239.89 Lakh tonnes &amp; Loaded 239.32 Lakh tonnes )

d : Container cargo is included in Overseas ( Unloaded 260.91 Lakh tonnes &amp; Loaded 270.33 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>									
2006-07	161	6090	6251	194	116	310	355	6206	6561
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
<b>KERALA</b>									
2006-07	46	-	46	65	61	126	111	61	172
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
<b>TAMIL NADU</b>									
2006-07	116	16	132	411	262	673	527	278	805
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
<b>PUDUCHERRY</b>									
2006-07	16	18	34	-	-	-	16	18	34
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

Table 3.3.1(Contd...)

**Trend in Cargo Traffic Handled At Non-Major Ports**  
**- State-Wise**

States/ U.T.	(In'000 Tonnes)								
	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>									
2006-07	-	-	-	-	-	-	-	-	-
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
<b>ANDAMAN NICOBAR ISLANDS</b>									
2006-07	6	-	6	1014	544	1558	1020	544	1564
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 a	7	-	7	854	205	1059	861	205	1066
2013-14 b	51	-	51	797	301	1098	848	301	1149
2014-15 c	17	-	17	874	265	1139	891	265	1156
2015-16 d	45	-	45	999	279	1278	1044	279	1323
2016-17 e	48	-	48	939	289	1228	987	289	1276
<b>LAKSHADWEEP</b>									
2006-07	-	-	-	26	5	26	26	-	26
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 #	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>									
2006-07	90763	49342	140105	17498	27324	44817	108261	76661	184922
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

P provisional (®) #: N.A

a : Container cargo is included in Coastal'Unloaded' ( 2.40 Lakh tonnes) &amp; Loaded (.51 Lakh tonnes)

b : Container cargo is included in Coastal'Unloaded' ( 2.49 Lakh tonnes) &amp; Loaded (.60 Lakh tonnes)

c : Container cargo is included in Coastal'Unloaded' ( 2.87 Lakh tonnes) &amp; Loaded (.64 Lakh tonnes)

d : Container cargo is included in Coastal'Unloaded' ( 2.98 Lakh tonnes) &amp; Loaded (.67 Lakh tonnes)

e : Container cargo is included in Coastal'Unloaded' ( 3.49 Lakh tonnes) &amp; Loaded (.92 Lakh tonnes)

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>							
2002-03	48852	3439	9691	8762	1894	8923	81561
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
2010-11a	140874	7156	8798	29731	6085	38263	230907
2011-12b	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 c	174875	7511	9075	65903	10331	72083	339778
2016-17 d	180315	9379	9730	62421	8704	75190	345739
<b>MAHARASHTRA</b>							
2002-03	92	4384	1249	1969	0	931	8625
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
<b>GOA</b>							
2002-03	0	5176	0	358	0	40	5574
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

\* a, b, \$, #, &amp;, c, d : 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>							
2002-03	6120	0	0	0	975	3141	10236
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
<b>KARNATAKA</b>							
2002-03	152	0	0	0	31	489	672
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
<b>KERALA</b>							
2002-03	0	0	20	0	0	69	89
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	122	141



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>							
2002-03	527	0	0	0	50	25	602
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
<b>PUDUCHERRY</b>							
2002-03	0	0	0	0	0	19	19
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
<b>ODISHA</b>							
2002-03	0	0	0	0	0	0	0
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

# Data related to 2009-10

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>							
2002-03	118	0	216	0	0	407	741
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
<b>LAKSHADWEEP</b>							
2002-03	0	0	0	0	0	180	180
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
<b>TOTAL</b>							
2002-03	55861	12999	11176	11089	2950	14224	108299
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	101528	485214

**Table 3.3.3****Transshipment Traffic at Non-Major Ports**

(In '000 Tonnes)

State/Port	Commodity	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
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	901	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/Beypore		-	-	-	-	-	-	-
Koavalam/Vizhinjai	Others	-	-	-	-	7	-	-
<b>PUDUCHERRY</b>								
Karaikal	Ethylene	-	-	-	-	20	9	-
<b>ANDAMAN &amp; NICOBAR</b>								
Port Blair	Container	-	-	-	-	-	6	34
<b>Total Transhipme</b>		901	108	226	0	27	431	40

**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
2007-08	16	133	83581	77346	83597	77479
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

Table 3.3.5

## Passenger Traffic Handled at Non-Major Port -Maritime State-wise

(In '00 Nos.)

State/UT/Port	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11
<b>GUJARAT</b>	0	0	2	0	0	0	0	0	0	0
Embarked	-	-	1	-	-	-	-	-	-	-
Disembarked	-	-	1	-	-	-	-	-	-	-
<b>MAHARASHTRA</b>	133172	142114	105648	105648	179264	184152	177995	178345	180722	182823
Embarked	69607	76718	58598	58598	95486	97582	94774	96929	97695	99278
Disembarked	63565	65396	47050	47050	83778	86570	83221	81416	83027	83545
<b>KERALA</b>	123	153	151	211	11	182	247	230	173	183
Embarked	63	73	72	101	5	92	147	124	92	93
Disembarked	60	80	79	110	6	90	100	106	81	90
<b>TAMILNADU</b>	16752	18580	19330	19250	20380	20698	20698	0	19918	20800
Embarked	8376	9290	9665	9625	10190	10349	10349	0	9959	10400
Disembarked	8376	9290	9665	9625	10190	10349	10349	0	9959	10400
<b>KARNATAKA</b>	7	30	12	46	2	16	76	106	54	54
Embarked	4	15	8	23	1	8	40	52	28	28
Disembarked	3	15	4	23	1	8	36	54	26	26
<b>ANDAMAN GROUP</b>	11022	12061	10087	10198	10087	11397	12607	12437	19201	22126
Embarked	5547	5835	4985	5068	5046	5734	6151	6107	9513	10748
Disembarked	5475	6226	5102	5130	5041	5663	6456	6330	9688	11378
<b>LAKSHADWEEP</b>	0	0	0	0	0	0	3226	3226	0	0
Embarked	-	-	-	-	-	-	1614	1614	-	-
Disembarked	-	-	-	-	-	-	1612	1612	-	-
<b>ALL MINOR/ INTERMEDIATE PORTS</b>	<b>161076</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>
Embarked	83597	91931	73329	73415	110728	113765	113075	104826	117287	120547
Disembarked	77479	81007	61901	61938	99016	102680	101774	89518	102781	105439

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 \$	Maharastra	Goa	Karnatka	Kerala	Tamil Nadu	Pudu-cherry	Andhra Pradesh *	Odisha	Sea Island #
1	2	3	4	5	6	7	8	9	10	11
<b>STEAMERS</b>										
2010-11	6730	796	-	217	209	80	137	1213	-	6616
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
<b>SAILING VESSELS</b>										
2010-11	2504	17285	191	644	340	413	-	1234	20	1698
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
<b>TOTAL</b>										
2010-11	9234	18081	191	861	549	493	137	2447	20	8314
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

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

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

\$ Data include( AHPPL, APPPL ,APSEZL)

**Table 3.3.7****Employment of Manpower At Non Major Ports As On 31st March**

(In numbers)

PORT	Year									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	2	3	4	5	6	7	8	9	10	11
<b>GUJARAT</b>	1718	1650	1590	981	1886	1814	1723	1593	1465	1327
<b>MAHARASHTRA</b>	153	130	84	84	158	361	117	111	111	50
<b>GOA</b>	146	140	140	141	148	155	144	142	150	142
<b>DAMAN &amp; DIU</b>	22	22	22	22	13	10	10	10	10	10
<b>KARNATAKA</b>	55	146	145	145	124	124	124	0	60	61
<b>KERALA</b>	191	175	175	195	136	133	683	674	675	63
<b>TAMIL NADU</b>	62	60	60	51	56	28	35	19	37	30
<b>PUDUCHERRY</b>	33	59	59	66	60	485	485	222	178	218
<b>ANDHRA PRADESH</b>	69	269	269	269	1153	1195	1195	789	789	2153
<b>ANDAMAN &amp; NICOBAR</b>										
<b>Island</b>	452	454	454	448	422	425	641	647	638	623
<b>Orissa</b>	118	118	118	118	N.A	367	759	355	355	607
<b>LAKSHADWEEP</b>	N.A	N.A	N.A	N.A	N.A	N.A	111	111	N.A	N.A
<b>TOTAL</b>	<b>3019</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>

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

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 - 2010-2015

Rank (2015)	Port Name	Country	Period	2010	2011	2012	2013	2014	2015	Percentage change over previous year	Avg. yearly growth rate 2011-2015
1	2	3	4	5	6	7	8	9	10	11	12
1	Shanghai	China PR of	CY	29003	31739	32528	33620	35285	36516	3.5	3.6
2	Singapore	Singapore	CY	28431	29938	31649	32579	33869	30922	-8.7	0.8
3	Shenzhen	China PR of	CY	22341	22570	22960	23280	24030	24142	0.5	1.7
4	Ningbo	China PR of	CY	13071	13220	16783	17330	19450	20636	6.1	11.8
5	Hong Kong	China PR of	CY	23699	24384	23118	22352	22226	20073	-9.7	-4.7
6	Busan	Korea	CY	14194	16185	17023	17686	18683	19216	2.9	4.4
7	Qingdao	China PR of	CY	12010	13020	14609	15520	16624	17323	4.2	7.4
8	Guangzhou	China PR of	CY	12487	14260	14514	15505	16363	17097	4.5	4.6
9	Dubai Ports	UAE	CY	11576	12618	13013	13600	14750	15089	2.3	4.6
10	Tianjin	China PR of	CY	10076	11588	12298	13012	14050	13881	-1.2	4.6
11	Rotterdam	Netherlands	CY	11146	11877	11866	11621	12298	12235	-0.5	0.7
12	Port Kelang	Malaysia	CY	8872	9435	10001	10350	10946	11887	8.6	5.9
13	Kaohsiung	Taiwan	CY	9181	9636	9781	9938	10593	10264	-3.1	1.6
14	Antwerp	Belgium	CY	8468	8664	8635	8578	8978	9654	7.5	2.7
15	Dalian	China PR of	CY	5242	6400	8064	9910	10237	9591	-6.3	10.6
16	Xiamen	China PR of	CY	5201	6461	7209	8008	8572	9215	7.5	9.3
17	Hamburg	Germany	CY	7896	9014	8889	9257	9783	8821	-9.8	-0.5
18	Tanjung Pelepas	Malaysia	CY	6299	7302	7494	7417	7897	8799	11.4	4.8
19	Los Angeles	US	CY	7832	7941	8078	7869	8340	8160	-2.2	0.7
20	Long Beach	US	CY	6263	6061	5857	6731	6821	7192	5.4	4.4
21	Laem Chabang	Thailand	CY	4622	5068	5926	6041	6583	6821	3.6	7.7
22	Saigon Port	Vietnam	CY	4154	4426	4892	5112	6334	6556	3.5	10.3
23	New York/New Jersey	US	CY	5292	5503	5530	5467	5772	6372	10.4	3.7
24	Yingkou	China PR of	CY	3548	3867	4851	5301	5768	6045	4.8	11.8
25	Bremen Ports	Germany	CY	4889	5915	6115	5831	5777	5547	-4.0	-1.6
26	Tanjung Priok Port	Indonesia	CY	4613	5618	6214	6213	5692	5154	-9.5	-2.1
27	Saigon NewPort	Viet Nam	CY	2850	3072	3515	3789	4750	5026	5.8	13.1
28	Lianyungang	China PR of	CY	4447	4846	5020	5488	5005	4945	-1.2	0.5
29	Valencia	Spain	CY	4207	4327	4470	4328	4442	4615	3.9	1.6
30	Algeciras-La Linea	Spain	CY	2810	3601	4113	4343	4555	4516	-0.9	5.8
31	Jawaharlal Nehru	India	CY	4270	4321	4259	4162	4467	4477	0.2	0.9
32	Tokyo	Japan	CY	4284	4554	4235	4885	4917	4458	-9.3	-0.5
33	Khor Fakkan/Shrajah	UAE	CY	3023	3230	3996	4000	4256	4414	3.7	8.1
34	Manila	Philippines	CY	3155	3465	3707	3779	3810	4220	10.8	5.1
35	Jeddah	Saudi Arabia	CY	3831	4010	4738	4561	4184	4205	0.5	1.2
36	Felixstowe	UK	CY	3415	3249	3368	3434	4072	3984	-2.2	5.2
37	Santos	Brazil	CY	2722	2986	2961	3194	3684	3780	2.6	6.1
38	Savannah	US	CY	2825	2982	2949	3034	3346	3737	11.7	5.8
39	Northwest Seaport Alliar	US	CY	3595	3526	3580	3488	3428	3529	2.9	0.0
40	Piraeuse	Greece	CY	850	1681	2815	3199	3493	3383	-3.1	19.1
41	Balboa	Panama	CY	2759	3232	3251	3064	3236	3078	-4.9	-1.2
42	Marsaxiokk	Malta	CY	2371	2360	2538	2745	2869	3064	6.8	6.7
43	Ambarli	Turkey	CY	1946	2122	2440	3318	3445	3063	-11.1	9.6
44	Metro Vancouver	Canada	CY	2514	2507	2713	2825	2913	3054	4.8	5.1
45	Tanger	Morocco	CY	2058	2093	1826	2493	3361	3052	-9.2	9.9
46	East Port Said Port	Egypt	CY	2578	2864	2711	2947	3258	3036	-6.8	1.5
47	Manzanillo	Panama	CY	1600	1763	2060	2792	2796	2981	6.6	14.0
48	Yokohama	Japan	CY	3280	3083	3053	2926	2775	2789	0.5	-2.5
49	Durban	South Africa	CY	2553	2713	2587	2633	2664	2770	4.0	0.5
50	Kobe	Japan	CY	2018	2725	2564	2534	2628	2683	2.1	-0.4
<b>Total top 50 Ports</b>				<b>350367</b>	<b>378022</b>	<b>397366</b>	<b>412089</b>	<b>434075</b>	<b>436067</b>	<b>0.4</b>	<b>4.0</b>

Period: CY= calendar year FY= Fiscal year

Source: International Association of Ports and Harbors (World Container Traffic Data 2015)

**Table 4.2 World Port Traffic - Port Traffic League by Total Cargo Traffic 2011-15**

(In Million Tons)

S.No.	Port position(a)	Country	Nature	Period	Unit	2011	2012	2013	2014	2015	Percentage change over previous year	Avg. Yearly growth 2011-15
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Singapore	Singapore	1	CY	FT	531.2	538.0	560.9	581.3	575.8	-0.9	2.0
2	Shanghai	China, PR of	1	CY	MT	484.4	502.4	543.0	538.6	513.3	-4.7	1.5
3	Qingdao	China, PR of	1	CY	MT	372.0	407.3	450.1	465.1	476.2	2.4	6.4
4	Rotterdam	Netherlands	1	CY	MT	434.6	441.5	440.5	444.7	466.4	4.9	1.8
5	Port Hedland	Australia	1	FY	MT	246.7	288.4	372.3	446.9	452.9	1.3	16.4
6	Ningbo	China, PR of	1	CY	MT	348.9	364.6	399.3	429.9	448.8	4.4	6.5
7	Tianjin	China, PR of	1	CY	MT	459.9	476.9	477.3	445.8	440.4	-1.2	-1.1
8	Busan	Korea, Rep. Of	1	CY	RT	281.5	298.7	313.3	335.4	347.7	3.7	5.4
9	Dalian	China, PR of	1	CY	MT	211.1	303.0	320.8	337.4	320.7	-4.9	11.0
10	Kwangyang	Korea, Rep. Of	1	CY	RT	219.9	237.3	239.5	253.4	272.0	7.3	5.5
11	Port of South Louisiana	US	1	CY	MT	248.8	253.0	241.6	264.8	265.6	0.3	1.6
12	Hong Kong	China, PR of	1	CY	MT	277.4	269.3	276.1	297.7	256.5	-13.8	-1.9
13	Qinhuangdao	China, PR of	1	CY	MT	250.0	233.2	253.3	261.7	246.6	-5.8	-0.3
14	Houston	US	2	CY	MT	261.7	246.9	236.5	229.2	230.5	0.6	-3.1
15	Guangzhou	China, PR of	1	CY	MT	121.4	164.3	229.1	242.4	230.1	-5.1	17.3
16	Port Kelang	Malaysia	1	CY	MT	193.7	195.9	198.9	217.3	219.8	1.2	3.2
17	Antwerp	Belgium	1	CY	MT	187.2	184.1	190.8	199.0	208.4	4.7	2.7
18	Xiamen	China, PR of	1	FY	MT	140.9	155.1	171.9	184.6	200.5	8.6	9.2
19	Nagoya	Japan	1	FY	FT	186.3	202.6	208.2	207.6	197.9	-4.7	1.5
20	Shenzhen	China, PR of	1	CY	MT	205.5	196.5	201.5	192.1	191.0	-0.6	-1.8
21	Dubai Ports	UAE	2	CY	MT	137.8	143.8	163.7	171.9	175.7	2.2	6.3
22	Ulsan	Korea, Rep. Of	1	CY	RT	163.2	174.1	167.9	170.7	170.8	0.1	1.1
23	Dampier	Australia	1	FY	MT	171.8	180.4	177.5	172.8	169.9	-1.7	-0.3
24	Chiba	Japan	1	CY	FT	149.9	152.0	154.0	162.8	167.0	2.6	2.7
25	Newcastle	Australia	1	FY	MT	129.3	148.9	159.6	164.3	163.9	-0.2	6.1
26	Long Beach	US	1	CY	RT	154.4	144.2	162.8	164.7	162.8	-1.2	1.3
27	Los Angeles	US	1	CY	MT	158.2	175.2	165.1	176.5	161.4	-8.6	0.5
28	Inchon	Korea, Rep. Of	1	CY	RT	147.7	143.9	146.1	150.1	157.6	5.0	1.6
29	Itaqui	Brazil	1	CY	MT	128.9	133.5	135.4	144.2	146.6	1.7	3.3
30	Merto Vancouver	Canada	1	CY	MT	122.5	123.9	135.0	139.6	138.2	-1.0	3.1
31	Hamburg	Germany	1	CY	MT	132.2	130.9	139.1	145.7	137.8	-5.4	1.0
32	Tubarao	Brazil	1	CY	MT	136.6	133.6	131.2	134.5	137.3	2.1	0.1
33	Tanjung Plepas	Malaysia	1	CY	MT	112.8	116.3	120.0	131.5	136.3	3.7	4.8
34	Santos	Brazil	1	CY	MT	97.2	101.1	109.3	99.1	119.9	21.0	5.4
35	Hay Point	Australia	1	FY	MT	82.9	98.0	108.3	115.0	115.8	0.7	8.7
36	Yokohama	Japan	1	CY	FT	121.3	121.4	119.2	117.0	114.7	-2.0	-1.4
37	Kaohsiung	Taiwan	1	CY	MT	123.9	120.8	115.0	123.0	110.9	-9.8	-2.7
38	Itaguaí	Brazil	1	CY	MT	97.7	103.8	104.8	111.6	110.4	-1.1	3.1
39	Gladstone	Australia	1	FY	MT	83.8	85.2	98.3	99.0	104.6	5.7	5.7
40	Richards Bay	South Africa	1	CY	MT	86.4	90.2	91.7	94.8	102.4	8.0	4.3
41	Kitakyushu	Japan	1	CY	FT	100.0	98.8	100.5	99.3	100.1	0.8	0.0
42	Kobe	Japan	1	CY	FT	87.0	87.2	88.4	92.4	97.0	5.0	2.8
43	Amsterdam Ports	Netherlands	1	CY	MT	93.0	94.3	95.8	97.8	96.5	-1.3	0.9
44	Saigon New Port	Viet Nam	1	FY	MT	60.8	76.4	93.6	94.9	96.2	1.4	12.2
45	Corpus Christi	US	1	CY	MT	72.9	71.5	80.5	91.3	93.9	2.8	6.5
46	Algras-La Line	Spain	1	CY	MT	76.9	83.0	85.6	88.1	92.0	4.4	4.6
47	Tokyo	Japan	1	CY	FT	83.4	82.8	86.0	87.2	85.3	-2.2	0.6
48	Paradip	India	1	CY	MT	56.0	56.6	68.0	71.0	83.4	17.5	10.5
49	Marseilles	France	1	CY	MT	88.1	80.6	74.9	78.5	81.9	4.3	-1.8
50	Osaka	Japan	1	CY	FT	88.1	86.4	86.8	86.5	80.0	-7.5	-2.4

(a) Ranking based on latest available figures; ISL Port Data Base comprising more than 400 ports

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 2016 Published by Institute of Shipping Economics and Logistics (ISL)

Table 4.3

## Cargo Traffic - For Selected Ports in Asia - 2010-2015

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)	2010	113552	154263	267815	10.2	80.5	12.2	7.3	11748	11951	23699	12.6	í
	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
<b>Shanghai</b> (China)	2010	208901	325470	534371	5.6	í	í	í	í	í	29003	16.4	í
	2011	233969	356470	590439	10.5	í	í	í	í	í	31739	9.4	í
	2012	284528	360231	644759	9.2	í	í	í	í	í	32528	2.5	í
	2013	281398	415587	696985	8.1	í	í	í	í	í	33620	3.4	í
	2014	292433	385943	678376	-2.7	í	í	í	í	í	35285	5.0	í
	2015	258977	387537	646514	-4.7						36516	3.5	
<b>Chiba(a)</b> (Japan)	2010	43210	112046	155256	7.1	15.5	17.6	66.8	í	í	í	í	í
	2011	39558	110377	149935	-3.4	16.2	23.4	60.5	í	í	í	í	í
	2012	41199	110837	152036	1.4	12.7	19.3	68.0	í	í	í	í	í
	2013	39890	114071	153961	1.3	15.2	33.4	51.4	í	í	í	í	í
	2014	43732	119098	162830	5.8	12.7	24.6	62.7	í	í	í	í	í
	2015	43878	123086	166964	2.5	13.1	24.7	62.3					
<b>Port Kelang(a)</b> (Malaysia)	2010	79208	89350	168558	22.5	93.0	4.1	2.9	4685	4187	8872	21.4	93.3
	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	í
	2014	95559	121730	217289	9.2	92.4	4.8	2.9	5463	5483	10946	5.7	í
	2015	100644	119142	219786	1.1	93.1	4.6	2.2	5945	5942	11887	8.6	
<b>Singapore(a)</b> (Singapore)	2010	í	í	503342	6.6	62.0	2.5	35.5			28431	9.9	92.9
	2011	í	í	531176	5.5	63.2	2.2	34.6			29938	5.3	92.2
	2012	í	í	538012	1.3	65.7	2.8	31.5			31649	5.7	91.6
	2013	í	í	560888	4.3	65.1	2.7	32.2			32579	2.9	91.2
	2014	í	í	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

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

**Cargo Traffic - For Selected Ports in Asia - 2010-2015**

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)	2010	51410	79108	130518	1.3	74.5	5.3	20.2	5785	5791	11576	4.1	í
	2011	54266	83504	137770	5.6	79.4	3.8	16.8	6132	6881	13013	12.4	í
	2012	56654	87178	143832	4.4	73.2	6.9	19.9	6480	6800	13280	2.1	í
	2013	63055	100626	163681	13.8	í	í	í	í	í	í	í	í
	2014	68078	103782	171860	5.0	í	í	í	í	í	í	í	í
	2015	-	-	170228	-0.9								
<b>Manila</b> (Philippines)	2010	13383	24853	38236	-1.4	95.1	4.0	1.0	1568	1587	3155	9.7	91.0
	2011	17777	18889	36666	-4.1	93.8	4.3	1.9	1522	1944	3466	9.9	í
	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
<b>Colombo</b> (Sri Lanka)	2010	16657	30120	46777	6.8	í	í	í	í	í	í	í	í
	2011	17660	31955	49615	6.1	í	í	í	í	í	1970	12.6	í
	2012	18714	33483	52197	5.2	í	í	í	í	í	1963	-0.4	í
	2013	19156	34503	53659	2.8						1880	-4.2	
	2014	18147	32906	51053	-4.9	í	í	í	í	í	1747	-7.1	í
	2015	15113	27011	42124	-17.5						1662	-4.9	
<b>Busan(b)</b> (South Korea)	2010	135125	115315	250440	16.4	92.6	2.9	4.5	7134	7060	14194	18.9	96.8
	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
<b>Bangkok(c)</b> (Thailand)	2010	8012	9984	17996	4.2	100.0	í	í	682	771	1453	25.8	í
	2011	7321	9947	17268	-4.0	100.0	í	í	684	622	1306	-10.1	í
	2012	8117	11440	19557	13.3	100.0	í	í	573	825	1398	7.0	88.2
	2013	8496	11134	19630	0.4	100.0	í	í	642	863	1505	7.7	89.8
	2014	10221	11374	21595	10.0	100.0	í	í	681	855	1536	2.1	90.4
	2015	9760	12088	21848	1.2	99.7	í	í	662	897	1559	1.5	90.4

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

Source : Shipping Statistics Year Book 2016 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

S.No.	Item	(Rs. In crore)					% Change Over Previous Year			
		2011-12	2012-13*	2013-14*	2014-15#	2015-16 @	2012-13*	2013-14*	2014-15#	2015-16 @
1	2	3	4	5	6	7	8	9	10	11
1.	<b>Agriculture, forestry and fishing</b>	<b>1501816</b>	<b>1524398</b>	<b>1609060</b>	<b>1604260</b>	<b>1616461</b>	<b>1.5</b>	<b>5.6</b>	<b>-0.3</b>	<b>0.8</b>
1.1	Crops	982026	983873	1036818	996142	974672	0.2	5.4	-3.9	-2.2
1.2	Livestock	327301	344333	363511	390395	415906	5.2	5.6	7.4	6.5
1.3	Forestry and logging	124461	124830	132244	135523	138173	0.3	5.9	2.5	2.0
1.4	Fishing and aquaculture	68027	71362	76487	82200	87710	4.9	7.2	7.5	6.7
2.	<b>Mining and quarrying</b>	<b>261035</b>	<b>259479</b>	<b>267629</b>	<b>307077</b>	<b>344972</b>	<b>-0.6</b>	<b>3.1</b>	<b>14.7</b>	<b>12.3</b>
3.	<b>Manufacturing</b>	<b>1409986</b>	<b>1492762</b>	<b>1568508</b>	<b>1685843</b>	<b>1863834</b>	<b>5.9</b>	<b>5.1</b>	<b>7.5</b>	<b>10.6</b>
3.1	Food products, beverages and tobacco	167524	156864	156548	174436	186138	-6.4	-0.2	11.4	6.7
3.2	Textiles, apparel and leather products	153238	183389	226792	228214	246313	19.7	23.7	0.6	7.9
3.3	Metal products	229627	233204	271379	241619	254900	1.6	16.4	-11.0	5.5
3.4	Machinery and equipment	334670	344405	322784	355774	379134	2.9	-6.3	10.2	6.6
3.5	Other manufactured goods	524927	574900	591005	685800	797349	9.5	2.8	16.0	16.3
4.	<b>Electricity, gas, water supply &amp; other utility services</b>	<b>186668</b>	<b>191413</b>	<b>199153</b>	<b>213477</b>	<b>224323</b>	<b>2.5</b>	<b>4.0</b>	<b>7.2</b>	<b>5.1</b>
5.	<b>Construction</b>	<b>777363</b>	<b>781947</b>	<b>805484</b>	<b>829966</b>	<b>852821</b>	<b>0.6</b>	<b>3.0</b>	<b>3.0</b>	<b>2.8</b>
6.	<b>Trade, repair, hotels and restaurants</b>	<b>883582</b>	<b>980177</b>	<b>1037337</b>	<b>1125915</b>	<b>1256964</b>	<b>10.9</b>	<b>5.8</b>	<b>8.5</b>	<b>11.6</b>
6.1	Trade & repair services	793681	887365	944506	1027848	1144300	11.8	6.4	8.8	11.3
6.2	Hotels & restaurants	89901	92812	92831	98067	112664	3.2	0.0	5.6	14.9
7.	<b>Transport, storage, communication &amp; services related to broadcasting</b>	<b>529534</b>	<b>569313</b>	<b>616968</b>	<b>670577</b>	<b>731548</b>	<b>7.5</b>	<b>8.4</b>	<b>8.7</b>	<b>9.1</b>
7.1	Railways	61150	68959	73132	79634	84089	12.8	6.1	8.9	5.6
7.2	Road transport	262442	282425	300557	320209	341649	7.6	6.4	6.5	6.7
7.3	Water transport	6910	7052	7345	7954	8106	2.1	4.2	8.3	1.9
7.4	Air transport	4393	4183	4550	5188	6057	-4.8	8.8	14.0	16.8
7.5	Services incidental to transport	63602	66481	70172	75347	80495	4.5	5.6	7.4	6.8
7.6	Storage	5108	5708	5190	5511	6079	11.8	-9.1	6.2	10.3
7.7	Communication & services related to broadcasting	125930	134505	156022	176734	205073	6.8	16.0	13.3	16.0
8.	<b>Financial services</b>	<b>480226</b>	<b>529759</b>	<b>578691</b>	<b>630218</b>	<b>671853</b>	<b>10.3</b>	<b>9.2</b>	<b>8.9</b>	<b>6.6</b>
9.	<b>Real estate, ownership of dwelling &amp; professional services</b>	<b>1050465</b>	<b>1149365</b>	<b>1285629</b>	<b>1440730</b>	<b>1622340</b>	<b>9.4</b>	<b>11.9</b>	<b>12.1</b>	<b>12.6</b>
10.	<b>Public administration and defence</b>	<b>491155</b>	<b>501434</b>	<b>510197</b>	<b>544633</b>	<b>569804</b>	<b>2.1</b>	<b>1.7</b>	<b>6.7</b>	<b>4.6</b>
11.	<b>Other services</b>	<b>534827</b>	<b>568181</b>	<b>600592</b>	<b>656653</b>	<b>714799</b>	<b>6.2</b>	<b>5.7</b>	<b>9.3</b>	<b>8.9</b>
12.	<b>TOTAL GVA at basic prices</b>	<b>8106656</b>	<b>8548228</b>	<b>9079248</b>	<b>9709349</b>	<b>10469719</b>	<b>5.4</b>	<b>6.2</b>	<b>6.9</b>	<b>7.8</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 5.2

## India's Foreign Trade

Year	Exports			Imports			Trade Balance		
	Oil	Non-Oil	Total	Oil	Non-Oil	Total	Oil	Non-Oil	Total
1	2	3	4	5	6	7	8	9	10
(US \$ million)									
1990-91	522.7	17622.5	18145.2	6028.1	18044.4	24072.5	-5505.4	-421.9	-5927.3
1991-92	414.7	17450.7	17865.4	5324.8	14085.7	19410.5	-4910.1	3365.0	-1545.1
1992-93	476.2	18061.0	18537.2	6100.0	15781.6	21881.6	-5623.8	2279.4	-3344.4
1993-94	397.8	21840.5	22238.3	5753.5	17552.7	23306.2	-5355.7	4287.8	-1067.9
1994-95	416.9	25913.6	26330.5	5927.8	22726.5	28654.3	-5510.9	3187.1	-2323.8
1995-96	453.7	31341.2	31794.9	7525.8	29149.5	36675.3	-7072.1	2191.7	-4880.4
1996-97	481.8	32987.9	33469.7	10036.2	29096.2	39132.4	-9554.4	3891.7	-5662.7
1997-98	352.8	34653.7	35006.5	8164.0	33320.5	41484.5	-7811.2	1333.2	-6478.0
1998-99	89.4	33129.3	33218.7	6398.6	35990.1	42388.7	-6309.2	-2860.8	-9170.0
1999-00	38.9	36783.5	36822.4	12611.4	37059.3	49670.7	-12572.5	-275.8	-12848.3
2000-01	1869.7	42690.6	44560.3	15650.1	34886.4	50536.5	-13780.4	7804.2	-5976.2
2001-02	2119.1	41707.6	43826.7	14000.3	37413.0	51413.3	-11881.2	4294.6	-7586.6
2002-03	2576.5	50142.9	52719.4	17639.5	43772.6	61412.1	-15063.0	6370.3	-8692.7
2003-04	3568.4	60274.1	63842.5	20569.5	57579.6	78149.1	-17001.1	2694.5	-14306.6
2004-05	6989.3	76546.6	83535.9	29844.1	81673.3	111517.4	-22854.8	-5126.7	-27981.5
2005-06	11639.6	91450.9	103090.5	43963.1	105202.6	149165.7	-32323.5	-13751.7	-46075.2
2006-07	18634.6	107779.5	126414.1	56945.3	128790.0	185735.3	-38310.7	-21010.5	-59321.2
2007-08	28363.1	134541.1	162904.2	79644.5	171794.7	251439.2	-51281.4	-37253.6	-88535.0
2008-09	27547.0	157748.0	185295.0	93671.7	210024.6	303696.3	-66124.7	-52276.6	-118401.3
2009-10	28192.0	150559.5	178751.5	87135.9	201237.0	288372.9	-58943.9	-50677.5	-109621.4
2010-11	41480.0	209656.2	251136.2	105964.4	263804.7	369769.1	-64484.4	-54148.5	-118632.9
2011-12	56038.5	249925.3	305963.8	154967.6	334352.0	489319.6	-98929.1	-84426.7	-183355.8
2012-13	60865.1	239535.5	300400.6	164040.6	326696.1	490736.7	-103175.5	-87160.6	-190336.1
2013-14	63179.4	251236.3	314415.7	164770.3	285443.3	450213.7	-101591.0	-34207.0	-135798.0
2014-15	56794.1	253557.9	310352.0	138325.5	309707.9	448033.4	-81531.4	-56150.0	-137681.4
2015-16	30582.7	231707.4	262290.1	82944.5	298062.2	381006.6	-52361.8	-66354.8	-118716.5
2016-17	31622.3	244924.7	276547.0	86865.7	295875.2	382740.9	-55243.4	-50950.6	-106193.9
(₹ Billion)									
1990-91	9.38	316.20	325.58	108.16	323.77	431.93	-98.78	-7.57	-106.35
1991-92	10.22	430.20	440.42	131.27	347.24	478.51	-121.05	82.96	-38.09
1992-93	13.79	523.09	536.88	171.42	462.33	633.75	-157.63	60.76	-96.87
1993-94	12.48	685.04	697.52	180.46	550.55	731.01	-167.98	134.49	-33.49
1994-95	13.09	813.65	826.74	186.13	713.58	899.71	-173.04	100.07	-72.97
1995-96	15.18	1048.36	1063.54	251.74	975.05	1226.79	-236.56	73.31	-163.25
1996-97	17.10	1171.07	1188.17	356.29	1032.91	1389.20	-339.19	138.16	-201.03
1997-98	13.11	1287.90	1301.01	303.41	1238.35	1541.76	-290.30	49.55	-240.75
1998-99	3.76	1393.77	1397.53	269.19	1514.13	1783.32	-265.43	-120.36	-385.79
1999-00	1.69	1593.93	1595.62	546.49	1605.88	2152.37	-544.80	-11.95	-556.75
2000-01	85.42	1950.29	2035.71	714.97	1593.76	2308.73	-629.55	356.53	-273.02
2001-02	101.07	1989.11	2090.18	667.70	1784.30	2452.00	-566.63	204.81	-361.82
2002-03	124.69	2426.68	2551.37	853.67	2118.39	2972.06	-728.98	308.29	-420.69
2003-04	163.97	2769.69	2933.66	945.20	2645.88	3591.08	-781.23	123.81	-657.42
2004-05	314.04	3439.35	3753.39	1340.94	3669.71	5010.65	-1026.90	-230.36	-1257.26
2005-06	515.33	4048.85	4564.18	1946.40	4657.69	6604.09	-1431.07	-608.84	-2039.91
2006-07	845.20	4872.59	5717.79	2585.72	5819.35	8405.07	-1740.52	-946.76	-2687.28
2007-08	1141.92	5416.72	6558.64	3206.55	6916.57	10123.12	-2064.63	-1499.85	-3564.48
2008-09	1233.98	7173.57	8407.55	4199.68	9544.68	13744.36	-2965.70	-2371.11	-5336.81
2009-10	1328.99	7126.35	8455.34	4116.49	9520.86	13637.35	-2787.50	-2394.51	-5182.01
2010-11	1887.79	9541.43	11429.22	4822.82	12011.85	16834.67	-2935.03	-2470.42	-5405.45
2011-12	2679.15	11980.45	14659.60	7430.75	16023.88	23454.63	-4751.60	-4043.43	-8795.03
2012-13	3308.19	13035.00	16343.19	8918.71	17772.91	26691.62	-5610.52	-4737.91	-10348.43
2013-14	3832.48	15217.63	19050.11	9978.85	17175.48	27154.34	-6146.38	-1957.85	-8104.23
2014-15	3460.82	15503.63	18964.45	8428.74	18942.12	27370.87	-4967.92	-3438.49	-8406.41
2015-16	1996.38	15167.40	17163.78	5405.05	19497.93	24902.98	-3408.66	-4330.54	-7739.20
2016-17	2120.25	16420.71	18540.96	5825.61	19842.59	25668.20	-3705.35	-3421.88	-7127.24

Note : Data for 2015-16 are revised and for 2016-17 are provisional.

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

Table 5.3

## Imports of Principal Commodities

Commodity / Year	(US \$ Million)							(₹ Billion)						
	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. Cotton Raw & Waste	136.6	221.0	453.4	392.7	507.3	392.0	944.9	6.2	10.6	24.7	23.8	31.0	25.7	63.4
2. Vegetable Oil	5688.8	8119.1	9844.1	9395.4	10612.7	10490.0	10890.9	259.2	389.1	535.6	440.4	648.9	686.8	730.5
3. Pulses	1648.8	1971.6	2452.6	2114.4	2790.6	3913.2	4252.7	75.1	94.5	133.5	110.4	170.6	256.2	285.2
4. Fruits & vegetables	877.1	1054.5	1244.8	1378.9	1665.3	1850.2	1776.6	40.0	50.5	67.7	83.4	101.8	121.1	119.2
5. Pulp and Waste paper	621.3	720.3	745.6	768.2	945.5	956.9	974.7	28.3	34.5	40.6	46.5	57.8	62.7	65.4
6. Textile yarn Fabric, made-up articles	1100.4	1430.5	1441.5	1505.0	1691.1	1714.4	1500.8	50.1	68.6	78.4	91.2	103.4	112.2	100.7
7. Fertilisers, Crude & manufactured	6920.8	11124.3	8770.9	6306.8	7408.0	8019.5	5028.4	315.3	533.1	477.2	381.6	453.0	525.0	337.3
8. Sulphur & Unroasted Iron Pyrites	241.3	476.9	319.6	182.6	286.2	217.2	131.1	11.0	22.9	17.4	11.1	17.5	14.2	8.8
9. Metaliferrous ores & other minerals	6472.8	8112.7	9143.7	8395.2	9304.5	7266.8	6168.4	294.9	388.8	497.5	507.9	568.9	475.7	413.7
10. Coal, Coke & Briquettes, etc.	9804.1	17443.9	17007.7	16384.8	17811.6	13640.7	15715.2	446.7	836.0	925.4	991.3	1089.1	893.0	1054.1
11. Petroleum, Crude & products	105964.4	154967.6	164040.6	164770.3	138325.5	82944.5	86865.7	4822.8	7430.8	8918.7	9978.9	8428.7	5405.0	5825.6
12. Wood & Wood products	3708.2	5024.3	5083.1	5120.7	5464.7	5047.0	4892.9	169.0	240.8	276.6	309.8	334.1	330.4	328.2
13. Leather & leather products	636.8	719.5	739.9	823.7	1005.5	968.2	936.0	29.0	34.5	40.3	49.8	61.5	63.4	62.8
14. Organic & Inorganic Chemicals	13464.1	16717.5	16787.0	17464.5	18561.9	16548.6	16578.4	613.5	801.2	913.4	1056.6	1134.9	1083.4	1111.9
Dyeing/tanning/colouring mtrls.	1599	2108.8	2171.0	2419.0	2443.0	2245.2	2282.0	72.9	101.1	118.1	146.4	149.4	147.0	153.1
16. Artificial resins, plastic materials, etc.	7855.3	8834.9	9989.6	10456.0	12056.6	11772.1	11961.1	357.9	423.4	543.5	632.6	737.2	770.7	802.3
17. Chemical material & products	3823.5	4549.4	4861.5	4877.9	5303.0	5150.9	5366.5	174.2	218.0	264.5	295.1	324.2	337.2	359.9
18. Newsprint	821	1030.4	804.0	891.8	838.8	804.9	850.3	37.4	49.4	43.8	54.0	51.3	52.7	57.0
19. Pearls, precious & Semi-precious stones	33829.7	28039.6	22637.1	23849.3	22564.6	20065.6	23848.8	1541.4	1343.7	1231.7	1442.9	1379.7	1313.7	1599.6
20. Iron & Steel	14598.8	18254.7	17700.8	12658.6	16314.5	14962.9	11689.9	665.2	874.8	963.1	765.9	997.5	979.6	784.1
21. Non-ferrous metals	6539.3	8407.2	9038.1	8856.8	10748.1	9712.6	9871.7	298.0	402.9	491.8	535.9	657.2	635.9	662.1
22. Machine tools electrical & non-electrical	2962.6	3977.2	3720.7	3057.5	3137.1	2760.3	3035.9	135.0	190.6	202.4	185.0	191.8	180.7	203.6
24. Transport equipment	14900.7	18724.7	21288.9	19323.9	18402.8	18251.4	21224.4	678.9	897.3	1158.3	1169.1	1125.2	1194.9	1423.6
25. Project goods instrument, Optical goods, etc.	6144.4	8810.2	6553.7	4535.8	3632.8	2755.9	2106.3	280.0	422.2	356.6	274.4	222.1	180.4	141.3
27. Electronic goods	27939.1	34081.1	32906.2	32378.4	36870.9	40032.0	41941.0	1273.0	1633.3	1790.4	1959.0	2254.4	2620.8	2813.1
Pharmaceutical products	4202.7	5184.0	5465.2	5233.1	5431.7	5433.8	4997.6	191.5	248.4	297.4	316.6	332.1	355.7	335.2
29. Gold	40546.9	56319.8	53694.8	27477.3	34453.0	31692.7	27490.4	1847.4	2699.0	2921.5	1662.4	2106.6	2074.9	1843.8
30. Silver	1965	5155.0	1984.5	4458.3	4528.1	3732.5	1838.2	89.5	247.0	108.0	269.7	276.9	244.4	123.3
31. Other Commodities	15849.4	21046.3	25325.8	24048.1	23211.4	24559.0	25068.9	714.4	1009.4	1375.4	1506.0	1424.7	1592.1	1679.1
<b>Total Imports</b>	<b>369769.5</b>	<b>489319.8</b>	<b>490737.0</b>	<b>450213.9</b>	<b>448033.4</b>	<b>381006.6</b>	<b>382740.9</b>	<b>16834.7</b>	<b>23454.7</b>	<b>26691.6</b>	<b>27154.3</b>	<b>27370.9</b>	<b>24903.0</b>	<b>25668.2</b>

Note : Data for 2016-17 are provisional and data for 2015-16 are revised.

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



Table 5.4

## Exports of Principal Commodities

Commodity / Year	(US \$ Million)							(₹ Billion)						
	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. Tea	736.2	851.1	867.3	805.5	682.2	720.8	734.4	33.5	40.8	47.2	48.7	41.7	47.2	49.3
2. Coffee	660.6	946.2	865.9	793.2	813.4	782.9	845.2	30.1	45.4	47.1	48.0	49.7	51.3	56.7
3. Rice	2542.9	5030.7	6222.8	7782.7	7855.0	5835.2	5773.9	115.9	241.1	338.6	470.9	480.3	382.0	387.3
4. Other cereals	800.8	1146.2	1503.5	1186.4	860.6	260.1	212.3	36.5	54.9	81.8	71.8	52.6	17.0	14.2
5. Tobacco	874.7	836.0	924.5	1013.9	959.8	985.6	961.7	39.9	40.1	50.3	61.3	58.7	64.5	64.5
6. Spices	1730.9	2734.1	2789.3	2503.5	2428.3	2540.2	2887.5	78.9	131.0	151.8	151.5	148.5	166.3	193.7
7. Cashew	618.8	916.1	747.5	842.2	910.3	768.0	790.7	28.2	43.9	40.7	51.0	55.7	50.3	53.0
8. Oil Meals	2429.5	2461.6	3036.1	2821.4	1329.5	549.8	800.7	110.7	118.0	165.2	170.7	81.3	36.0	53.7
9. Oil seeds	1019.2	1712.5	1369.4	1294.2	1739.8	1248.8	1361.7	46.4	82.1	74.5	78.3	106.4	81.8	91.3
10. Fruits & Vegetables & miscellaneous processed items	1445.0 582.4	1728.0 805.0	1796.3 917.5	2256.3 1151.9	2154.8 1257.4	2274.8 1319.2	2439.9 1272.6	65.8 26.5	82.8 38.6	97.7 49.9	136.5 69.7	131.8 76.9	148.9 86.4	163.6 85.4
12. Marine Products	2615.6	3460.7	3462.8	5062.2	5509.7	4768.6	5918.1	119.2	165.9	188.4	306.3	336.9	312.2	396.9
13. Meat, dairy & poultry products	2295.7	3160.7	3802.3	5316.5	5391.8	4581.0	4389.4	104.6	151.5	206.9	321.7	329.7	299.9	294.4
14. Iron Ore	4872.1	4622.1	1651.3	1567.0	525.2	193.0	1525.3	222.0	221.5	89.9	94.8	32.1	12.6	102.3
Ores, Minerals including processed minerals	3707.9	3661.8	3809.2	4013.2	3901.6	3655.3	3536.7	168.9	175.5	207.3	242.8	238.6	239.3	237.2
16. Leather & leather products	3822.8	4686.1	4777.8	5590.2	6025.7	5401.9	5183.0	174.2	224.6	260.0	338.2	368.4	353.7	347.6
17. Ceramic products & glassware	865.1	1050.7	1156.3	1294.4	1643.9	1709.8	1861.8	39.4	50.4	62.9	78.3	100.5	111.9	124.9
18. Gems & Jewellery	42314.3	46314.1	43045.1	41379.4	41248.4	39319.0	43509.6	1928.0	2219.5	2342.1	2503.5	2522.1	2574.2	2918.3
19. Drugs & Pharmaceuticals	10460.8	13150.5	14425.4	14944.2	15430.9	16903.4	16829.4	476.6	630.2	784.9	904.2	943.5	1106.6	1128.8
20. Organic & Inorganic Chemicals	8212.4	11396.4	11477.3	12309.9	12472.1	11732.8	12425.9	374.2	546.2	624.5	744.8	762.6	768.1	833.4
21. Engineering Goods	50278.9	59923.3	59165.5	64078.5	73113.7	60443.3	67132.6	2290.8	2871.7	3219.2	3876.9	4470.4	3957.1	4502.7
22. Electronic Goods	8445.7	9078.8	8258.5	7860.6	6258.0	5943.5	5959.4	384.8	435.1	449.4	475.6	382.6	389.1	399.7
Yarn/Fabs./made-ups, Handloom Products etc.	7609.8	8987.9	9657.0	11090.4	10779.6	10115.2	9893.6	346.7	430.7	525.4	671.0	659.1	662.2	663.6
Yarn/Fabs./made-ups etc.	4274.9	5069.5	4535.7	5189.1	5275.2	4615.8	4559.7	194.8	243.0	246.8	314.0	322.5	302.2	305.8
25. RMG of all Textiles	11614.8	13710.7	12948.9	14994.2	16836.3	16957.6	17452.8	529.2	657.1	704.6	907.2	1029.4	1110.2	1170.6
26. Jute Mfg. including Floor Covering	459.2	464.5	390.4	382.7	296.7	295.6	311.3	20.9	22.3	21.2	23.2	18.1	19.3	20.9
27. Carpet	1032.4	920.3	1093.1	1178.1	1360.4	1439.9	1494.0	47.0	44.1	59.5	71.3	83.2	94.3	100.2
28. Handicrafts excl. hand made carpet	760.1	993.4	988.3	1509.0	1378.1	1639.8	1926.9	34.6	47.6	53.8	91.3	84.3	107.4	129.2
29. Petroleum Products	41480.0	56038.5	60865.1	63179.4	56794.1	30582.7	31622.3	1887.8	2679.2	3308.2	3832.5	3460.8	1996.4	2120.3
30. Plastic & Linoleum	4266.1	5674.5	5599.2	6160.3	5737.5	5759.8	5816.1	194.4	271.9	304.7	372.7	350.8	377.1	390.1
31. Other Commodities	28306.8	34431.9	28251.2	24865.4	19381.9	18947.1	17118.7	1278.7	1653.4	1539.0	1521.8	1185.3	1238.3	1141.3
<b>Total Exports</b>	<b>251136.4</b>	<b>305963.9</b>	<b>300400.5</b>	<b>314415.9</b>	<b>310352.0</b>	<b>262290.5</b>	<b>276547.2</b>	<b>11429.2</b>	<b>14659.6</b>	<b>16343.2</b>	<b>19050.1</b>	<b>18964.5</b>	<b>17163.8</b>	<b>18540.9</b>

Note : Data for 2016-17 are provisional and data for 2015-16 are revised.

Also see notes on Tables.

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 Brone Trade To Total Foreign Trade (In Percentage)
1	2	3	4	5	6
1982-83	8803	79.0	14293	86.5	83.7
1983-84	9771	74.4	15832	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	12452	65.8	20096	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	27658	59.5	35328	69.6	65.2
1990-91	32558	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	82674	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	139753	62.2	178332	67.9	65.4
1999-00	159561	58.4	215237	68.8	64.4
2000-01	203571	64.5	230873	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	840755	...	1374436	...	...
2009-10	845534	...	1363736	...	...
2010-11	1142922	...	1683467	...	...
2011-12	1465959	...	2345463	...	...
2012-13	1634318	...	2669162	...	...
2013-14	1905011	...	2715434	...	...
2014-15	1896445	...	2737087	...	...
2015-16	1716378	...	2490298	...	...
2016-17	1854096	...	2566820	...	...

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)	
	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	4	5	6	7	8	9	10	11	12	13	14	15	14	15
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
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
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
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
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
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
Kandla	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
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
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	93.1
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
Tuticorin	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
Ennore 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
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
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
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
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
<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>

(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 Regulatory measures etc.

\* The amount is recieved as equity from Govt. of India and other stakeholder.

&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)/IPA

## Port : All Ports

**Table 5.7**
**India's Overseas Cargo handled during 2016-17**

(In '000 Tonnes)

Type of Cargo		Indian Lines		Foreign Lines		Total
<b>General Cargo</b>						
	Loaded	2389.90	9.8	22039.60	90.2	24429.50
	Unloaded	1365.93	6.6	19261.19	93.4	20627.12
	<b>Total</b>	<b>3755.83</b>	<b>8.3</b>	<b>41300.79</b>	<b>91.7</b>	<b>45056.62</b>
<b>Container</b>						
	Loaded	1135.44	1.3	83906.07	98.7	85041.51
	Unloaded	1158.09	1.3	87252.25	98.7	88410.34
	<b>Total</b>	<b>2293.53</b>	<b>1.3</b>	<b>171158.32</b>	<b>98.7</b>	<b>173451.85</b>
<b>Dry Bulk</b>						
	Loaded	2129.32	3.9	51925.67	96.1	54054.99
	Unloaded	10340.06	3.4	295708.55	96.6	306048.61
	<b>Total</b>	<b>12469.37</b>	<b>3.5</b>	<b>347634.22</b>	<b>96.5</b>	<b>360103.60</b>
<b>POL/Product &amp; Other Liquids</b>						
	Loaded	1260.63	1.8	67224.74	98.2	68485.37
	Unloaded	40294.25	14.1	245177.62	85.9	285471.87
	<b>Total</b>	<b>41554.88</b>	<b>11.7</b>	<b>312402.36</b>	<b>88.3</b>	<b>353957.24</b>
<b>Grand Total</b>						
	<b>Loaded</b>	<b>6915.29</b>	<b>3.0</b>	<b>225096.09</b>	<b>97.0</b>	<b>232011.38</b>
	<b>Unloaded</b>	<b>53158.32</b>	<b>7.6</b>	<b>647399.61</b>	<b>92.4</b>	<b>700557.93</b>
	<b>Total</b>	<b>60073.61</b>	<b>6.4</b>	<b>872495.70</b>	<b>93.6</b>	<b>932569.31</b>

Source: Major Ports and State Maritime Boards

# **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 crantage 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.   |