



STATISTICS OF INDIA'S SHIP BUILDING AND SHIP REPAIRING INDUSTRY

2017-18



**Government of India
Ministry of Shipping
Transport Research Wing
New Delhi**

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P R E F A C E

Transport Research Wing (TRW) in the Ministry of Shipping is the nodal agency for providing information/data on various facets of water borne transport. The present issue “**Statistics of India’s Ship Building and Ship Repairing Industry 2017-18**” gives information on India’s Ship Building and Ship Repairing Industry.

The present volume consists of five sections and is designed to provide information on developments in Ship Building, Ship Repairing, Employment and Financial position of India’s Ship Building & Ship Repair industry, including a section pertaining to Shipbuilding from a global perspective. The present volume includes features such as ship order book position in term of export order and domestic order respectively and permanent and contractual labour employed in domestic ship building industry.

Information contained in the volume is obtained from a large number of sources spread across both public as well as private sector. I wish to record my deep appreciation of the outstanding support and cooperation provided by all who have contributed to improve and complete this issue. This publication is a joint endeavour, with each officer contributing with their knowledge and professional commitment. Suggestions from the users of information are welcome to improve quality and coverage.

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ACRONYMS

Nil	-	Nil
Neg	-	Negligible
-	-	Not available
(P)	-	Provisional
LST (T)	-	Landing Ship Tank (Large)
OSV	-	Offshore Supply vessels
PCV	-	Passenger Cargo vessels
DSV	-	Diving Support vessels
HSD	-	High Speed Diesel (Tanker)
FRP	-	Fiberglass Reinforced Plastic
SDBS	-	Seaward Defence Boats
FPVs	-	Fast Patrol vessels
MPV	-	Multi Purpose Vessels
AHTS	-	Anchor Handling Tug Supply Vessels
PCVs	-	Pollution Control vessels
OPVs	-	Offshore Patrol vessels
I V Barges	-	Inland Vessel Barges
KODS	-	Khidderpore Outer Dock Sill
GRP	-	Glass-reinforced Plastic
CGT	-	Compensated Gross Tonnage
GT	-	Gross Tonnage
DWT	-	Dead Weight Tonnage
ACR	-	A.C. Roy & Comp. Ltd.
ASMPL	-	A.S. Moolobhoy Pvt. Ltd.
ABGS	-	ABG shipyard Ltd.
AAL	-	Alcock Ashdown (Gujarat) Ltd.
APV	-	Advanced Patrol vessels
AHTS	-	Anchor handling Tug Supply vessels
BDIL	-	Bharati Defence & Infrastructure Ltd.
BB	-	Bristol Boats
CSL	-	Cochin Shipyard Limited
C&CL	-	Chowgule & Co Ltd
CSPL	-	Chidambaram Shipcare Pvt. Ltd
DSEL	-	Dempo Shipbuilding & Engineering Pvt. Ltd.

FSL	-	Ferromar Shipping Pvt. Ltd.
GRSE	-	Garden Reach Ship-Builders & Engineers Ltd.
GSL	-	Goa Shipyard Ltd.
HSL	-	Hindustan Shipyard Ltd.
HDPEL	-	Hooghly Dock & Port Engineers Ltd.
L & T	-	Larsen & Turbo Shipbuilding Ltd
MDL	-	Mazagaon Dock Ltd
MIPL	-	Modest Infrastructure Pvt. Ltd.
MDD	-	Mandovi Dry Docks
MMRPL	-	Marks Marine Radio Pvt. Ltd.
NNSE	-	N N Shipbuilders and Engineers Pvt. Ltd
NNPS	-	Neptunus Power Plant Services Pvt. Ltd.
RNEL	-	Reliance Naval and Engineering Ltd.
SWL	-	Shalimar Works Ltd.
SKL	-	Sembmarine Kakinada Ltd.
SSPL	-	Shoft Shipyard Pvt. Ltd.
TDPL	-	Timblo Drydocks Pvt. Ltd.
TSL	-	Tebma Shipyard Ltd
VMS	-	Vijai Marine Shipyard

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AN OVERVIEW

Shipbuilding is technology driven, skill and material intensive assembly operation. Being a labour intensive industry, the cost of labour plays an important determinant in a country's competitive position vis-à-vis others. Over the years, the industry has shifted from Europe to Japan and then to Republic of Korea and has now taken firm roots in China. The factors governing this shift have been relatively high wage in Europe coupled with strong competitive strength of manufacturing and steel making sectors and active state support in the leading shipbuilding nations of East & Far East Asia. This decisive shift in shipbuilding activities from Europe to Asia has opened up window of opportunities for Indian ship yards in both public and private sectors. Over 90% of shipbuilding in 2017 occurred in China, the Republic of Korea and Japan.

2. India has a coastline of 7,517 Kms. with 12 Major ports and 205 notified Non-major Ports facilitating sea-borne trade. Coastal and overseas cargo movement is effected through ocean-going vessels. In addition, small ships/crafts also ply on inland waterways and canals. Indian owned ships/vessels carried 6.4% of India's overseas trade during 2016-17. India's emergence as a major economic power would mean greater integration in terms of trade with the rest of the world requiring huge shipping tonnage. As on 31st March 2018, Indian shipping tonnage was 12.58 million Gross Registered Tonnage (GRT) with 1381 ships.

3. With the opening of Indian economy, there has been a steady increase in handling of cargo traffic at Indian Ports. India's share in global exports has increased from 0.7% in 2000 to 1.68% in 2017 (Source: World Trade Organization). To sustain the momentum of foreign trade and improve competitiveness, the country would need adequate and efficient infrastructure in terms of ports, ships and maritime services.

4. At the time of independence, there were about a dozen shipyards around Kolkata and Mumbai, which rose to around 45 shipyards in the late seventies. At present, there are 30 shipyards, out of which 8 shipyards are in the public sector and the rest are in the private sector. The demand for ships, semi-submersibles and port auxiliary vessels, new ship building as well as ship-repair activities is projected to grow in view of rising cargo traffic from/to India in coming years.

The “Manufacturing Plan – Strategies for Accelerating Growth of Manufacturing in India in the 12th Five Year Plan and Beyond” released by the erstwhile Planning Commission lists “Ship building and Ship Repair” as one of the key sectors of strategic importance.

5. ‘Make in India’ has been initiated to promote growth of manufacturing sector in the country as it has higher employment multiplier effects compared to service and agriculture sectors. An impetus on shipbuilding and ship repair industry in India is needed for the following reasons:-

(a) The shipbuilding industry has the same impact as infrastructure sectors due to higher multiplier effects on investment and turnover and high employment potential.

(b) The shipbuilding industry is a strategically important industry. To ensure safety of our vast coastline, naval requirement of sophisticated and modern vessels is growing rapidly.

6. The Indian Ship-Building Industry can broadly be categorized into following categories:-

- (i) Large ocean-going vessels catering to overseas as well as coastal trade;
- (ii) Medium size specialized vessels like Port Crafts, Fishing Trawlers, Offshore vessels, Inland and other smaller crafts and;
- (iii) Defence /Naval crafts and Coast Guard Vessels.

7. There are 38 dry-docks for repairing ships in India both in public and private sector as per data reported. These dry docks include the 10 dry docks operated by 6 major ports. The major ports which have no dry-dock facilities are JNPT, New Mangalore, Chennai, Kamrajar, and Haldia Dock Complex of Kolkata Port. Cochin Port Trust has handed over its Dry Dock to M/s Cochin Shipyard Ltd.

8. MAJOR SHIPYARDS AND R&D FACILITIES IN THE PUBLIC SECTOR

UNDER THE MINISTRY OF SHIPPING:

- Cochin Shipyard Limited, Kochi
- Hooghly Dock and Port Engineers Limited, Kolkata

UNDER MINISTRY OF DEFENCE:

- Hindustan Shipyard Limited, Visakhapatnam
- Mazagon Dock Limited, Mumbai
- Garden Reach Ship-builders and Engineers Limited, Kolkata*.

(*Rajabagan Dockyard Limited, under Central Inland Water Transport Corporation, Kolkata merged with Garden Reach Shipbuilders and Engineers Ltd. Kolkata w.e.f. 1st July 2006.)

- Goa Shipyard Limited, Goa

UNDER THE CONTROL OF STATE GOVERNMENTS:

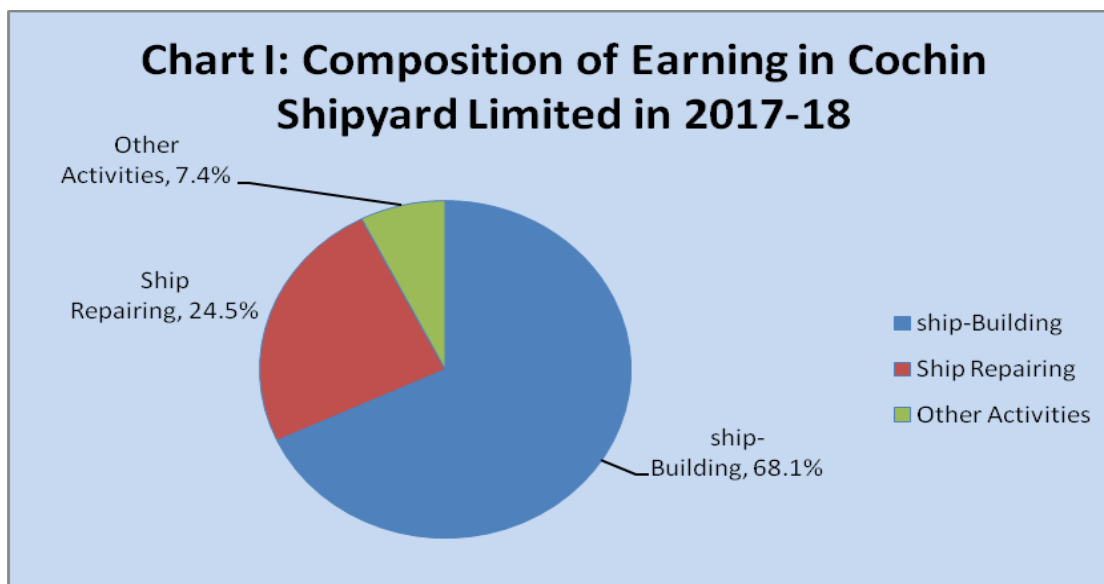
- Alcock Ashdown Co. Limited, Gujarat
- Shalimar Works Limited, Kolkata, West Bengal,

8.1 COCHIN SHIPYARD LIMITED (CSL)

8.1.1 Cochin Shipyard is strategically located midway on the international sea route, connecting Europe, West Asia and the Pacific Rim. It has evolved into a builder of large size vessels in India for the Merchant Navy and the Indian Navy. This Greenfield shipyard was incorporated in the year 1972 under technical collaboration with M/s MHI, Japan.

8.1.2 During the year 2017-18, the yard completed delivery of the two Double ended Ro-Ro vessels for Kochi Municipal Corporation.

8.1.3 The percentage shares of income earned by Cochin Shipyard Ltd. from ship building, ship repairing and other activities during 2017-18 are depicted in chart I.



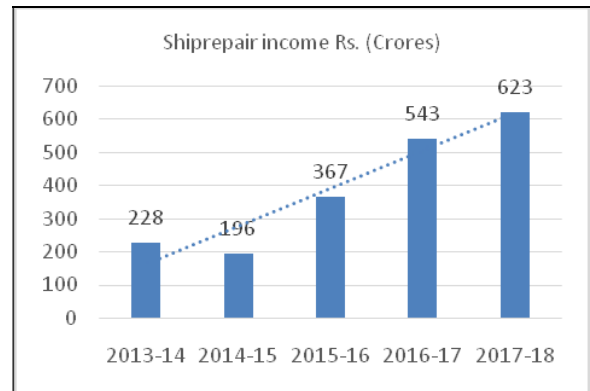
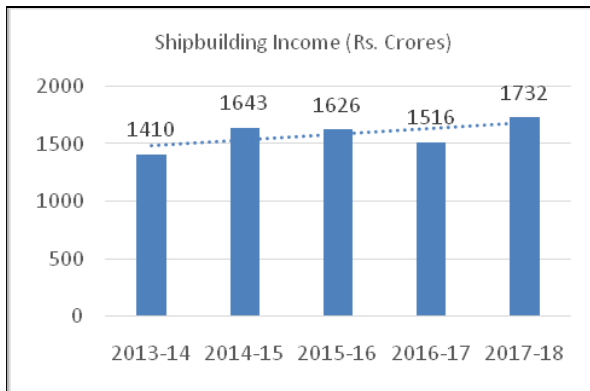
8.1.4 Ship repair Industry

- (a) As a part of the Sagarmala project, government has embarked on a programme for utilisation of existing dry-docks in major ports for providing ship repair services. Towards this, CSL has entered into an Agreement with the Mumbai Port Trust on January 11, 2018 for operations and management of a ship repair facility at Indira Dock. CSL shall utilize the facilities for the purpose of ship repair and allied services and for further expansion in the field of ship repair.
- (b) An MOU has been signed with Kolkata Port Trust on March 17, 2018 for operations and management of ship repair facility at Netaji Subhas Dock. CSL shall utilize the facilities for the purpose of ship repair and allied services and for the growth of ship repair in the region. Similar MOU has been signed with the Andaman and Nicobar Administration for Management of Ship Repair Services in the Marine Dockyard at Port Blair.

8.1.5 Financial Highlights

- (a) The Company achieved a total shipbuilding income of Rs 1731.86 Crore during 2017-18 as against Rs 1515.82 Crore in 2016-17. During the year 2017-18, the yard completed the delivery of two Double ended Ro-Ro vessels for Kochi Municipal Corporation.

(b) During the year, the Company achieved a total ship repair income of Rs 623.27 Crore as compared to Rs 543.05 Crore during the financial year 2016-17. Major vessels repaired during the year include INS Shakti, INS Nireekshak, INS Airavat, INS Sujata, INS Sutlej, M V Sagardweep - II, M V Kalighat, M V Bharat Seema, WSV SamudraNidhi, DCI Dredge XIX etc. Also, after a long interval, CSL has started refit of Offshore Drilling Vessels by undertaking ongoing refit of MODU Sagar Bhushan from ONGC during the year.



8.1.6 Research and Development Activities

R&D policy of CSL is to enhance the company's pre-eminence in Shipbuilding, Ship Repair and other chosen fields and products through Research and Development. In-house R&D activities have been undertaken during the year 2017-18 in the areas of welding procedure development and qualification of welders.

8.2 HOOGHLY DOCK & PORT ENGINEERS LIMITED, KOLKATA (HDPEL)

8.2.1 HDPEL, situated at Kolkata, is one of the oldest shipyards in India. It was established in 1819 in the private sector known as Hooghly Docking & Engineering Company Limited. On merger of the Port Engineering Works with Hooghly Docking & Engineering Limited, the Hooghly Dock & Port Engineers Limited was formed by an Act of Parliament "The Hooghly Docking and Engineering Company Limited (Acquisition and Transfer of Undertakings) Act, 1984"

8.2.2 The Government of India took it over to utilize the available infrastructure and augment the ship building capacity. The nationalized company was with the M/o

Industry till July 1986 and thereafter was transferred to the then M/o Surface Transport now (Ministry of Shipping).

8.2.3 Joint Venture of CSL (Cochin Shipyard Limited) with Hooghly Dock and Port Engineers Ltd. (HDPEL)

- (a) The Ministry of Shipping vide Letter No. SY-11018/1/2010- HDPE dated March 29, 2017 approved the formation of joint venture partnership between Cochin Shipyard (74% stake in equity) and HDPEL (26% stake in equity) for upgradation and modernization of shipbuilding infrastructure at the two shipyard sites of Salkia and Nazirgunge in Kolkata.
- (b) On October 23, 2017 a joint venture company named Hooghly Cochin Shipyard Ltd. (HCSL) has been incorporated as a subsidiary company of Cochin Shipyard. The Company executed shareholders agreement on November 17, 2017, and concession agreement and lease agreement were executed on January 19, 2018. The consultancy work for DPR is awarded to M/s. KITCO. HCSL being in the project implementation stage has reported a non-operating income of Rs. 18.57 lakh and a loss of Rs. 37.07 lakh during the financial year 2017-18.

8.2.4 The percentage shares of income earned by Hooghly Dock & Port Engineers Ltd. from ship building, ship repairing and other activities during 2017-18 as depicted from table 4.1 (Page No. 42-44) which indicates that income is only from other activities in “HDPL”.

MEASURES TO PROMOTE DOMESTIC SHIPBUILDING & REPAIR

A number of measures have been initiated by Ministry of Shipping to improve the viability of the ship manufacture and ship repair industry and encourage private sector participation, with emphasis on research.

The Department of Shipping has a scheme for providing grants-in-aid to educational and research institutions for carrying out Research and studies in shipbuilding. Since the 8th Plan sixteen R&D projects have been executed under this scheme.

9. SUBSIDY AND BUDGETARY SUPPORT TO INDIAN SHIPBUILDING INDUSTRY

9.1 Government of India is supporting Indian shipbuilding industry since 1971 by various policy measures such as pricing policy and shipbuilding subsidy policy. However, these policies were only applicable to Central Public Sector Shipyards building commercial vessels viz. Hindustan Shipyard Ltd., Vishakapatnam in 1971. Later on in 1972 Cochin Shipyard was established and the policies were applicable to them also. The policies were modified from time to time in 1981, 1993, 1995, 1997 and 2000. In October 2002, Government of India extended the shipbuilding subsidy scheme to all Indian shipyards including Non Central Public Sector Shipyards and Private Shipyards. To make existing shipbuilding scheme applicable to all shipyards, following modifications were made:

- For domestic orders obtained only through global tender process for construction of sea going vessel as defined under section 3(41) of Merchant Shipping Act 1958, 30% on the bid price at which the global tender was won was payable to the yard. However, the vessel was to be a merchant vessel of minimum length of 80 metres.
- For export orders obtained through global tender process or otherwise for construction of any type/size of vessel, 30% subsidy on the bid price or reasonable price in cases of negotiated orders, as the case may be, was payable to the yard. Price reasonableness certificate was issued by DG(shipping) for negotiated orders.

9.2 The shipbuilding subsidy scheme was applicable for those shipbuilding orders whose contracts were signed upto 14.08.2007. In Feb. 2009, the CCEA approved liquidation of committed liabilities amounting to Rs. 5152 crore for 228 vessels and for which contracts were signed up to 14.08.2007. The following decisions were taken by CCEA:

- That subsidy to be released for all the cases for which contracts had been signed by 14.08.2007, as it is the committed liability of the Government of India. Subsidy will be released as per the guidelines modified from time to time and subject to submission of requisite documents in the format prescribed. Accordingly, budgetary provision of Rs. 5152 crores approx. may be approved for the period 2008-09 to 2013-14.
- Department of Shipping, Ministry of Shipping, Road Transport & Highways has made budgetary provisions for all shipyards except Defence Shipyards. Ministry of Defence made

budgetary provisions for Defence shipyards under the administrative control of Ministry of Defence.

- A new scheme incorporating modified quantum and conditions for subsidy/fiscal measures for all contracts signed after 14.08.2007 is submitted.

9.3. Modified guidelines were issued on 29.09.2009. Till 31.03.2014, subsidy has been released for 121 vessels amounting to Rs. 1142 crore. Partial subsidy (10%/20%) has been released for 47 vessels. Full subsidy has been released for 74 vessels. The subsidy disbursed to Shipyards from 2004-05 to 2017-18 is presented in **Tables 1 and 2** below:-

Table –1: Shipbuilding- Total Subsidy Disbursed in term of Public Vs Private sector			
(Rupees in Crore)			
Year	Public Shipyards	Private Shipyards	Total
2004-05	15.00	Nil	15.00
2005-06	101.53	Nil	101.53
2006-07	110.52	Nil	110.52
2007-08	169.96	19.28	189.24
2008-09	131.71	Nil	131.71
2009-10	107.40	71.80	179.20
2010-11	70.91	128.19	199.10
2011-12	5.77	116.65	122.42
2012-13	Nil	220.00	220.00
2013-14	Nil	179.00	179.00
2014-15	Nil	Nil	Nil
2015-16	Nil	Nil	Nil
2016-17	Nil	Nil	Nil
2017-18	Nil	Nil	Nil

Table- 2: Shipbuilding- Total Subsidy Disbursed in term of Domestic Vs Export order			
(Rupees in Crore)			
Year	Domestic Orders	Export Orders	Total
2004-05	Nil	15.00	15.00
2005-06	50.53	51.00	101.53
2006-07	40.52	70.00	110.52
2007-08	42.23	147.01	189.24
2008-09	22.80	108.91	131.71
2009-10	18.96	160.24	179.20
2010-11	Nil	199.10	199.10
2011-12	Nil	122.42	122.42
2012-13	Nil	220.00	220.00
2013-14	Nil	179.00	179.00
2014-15	Nil	Nil	Nil
2015-16	Nil	Nil	Nil
2016-17	Nil	Nil	Nil
2017-18	Nil	Nil	Nil

9.4. New Financial Assistance Policy

The Government of India has introduced a Rs. 4000 Crores Shipbuilding Financial Assistance Policy for 10 years to encourage domestic shipbuilding. Financial assistance will be granted to Indian Shipyards for shipbuilding contracts signed between 01.04. 2016 and 31.03.2026, including these dates, equal to 20% of the lower of “Contract Price” or the “Fair Price” of each vessel built by them for a period of atleast 10 years commencing 2016-17 after delivery of vessels. This rate of 20% will be reduced by 3% every three years. The quantum of financial assistance for a vessel shall be the product of the applicable rate of financial assistance prevailing on the date of Contract, and, the lowest of the contract price or the fair price when converted in Indian Rupees: Provided that, at the time of release of financial assistance, if the actual payment received for a vessel is lower than the contract price, such payment shall replace the contract price in the formulae for computation of the financial assistance.

Section-1

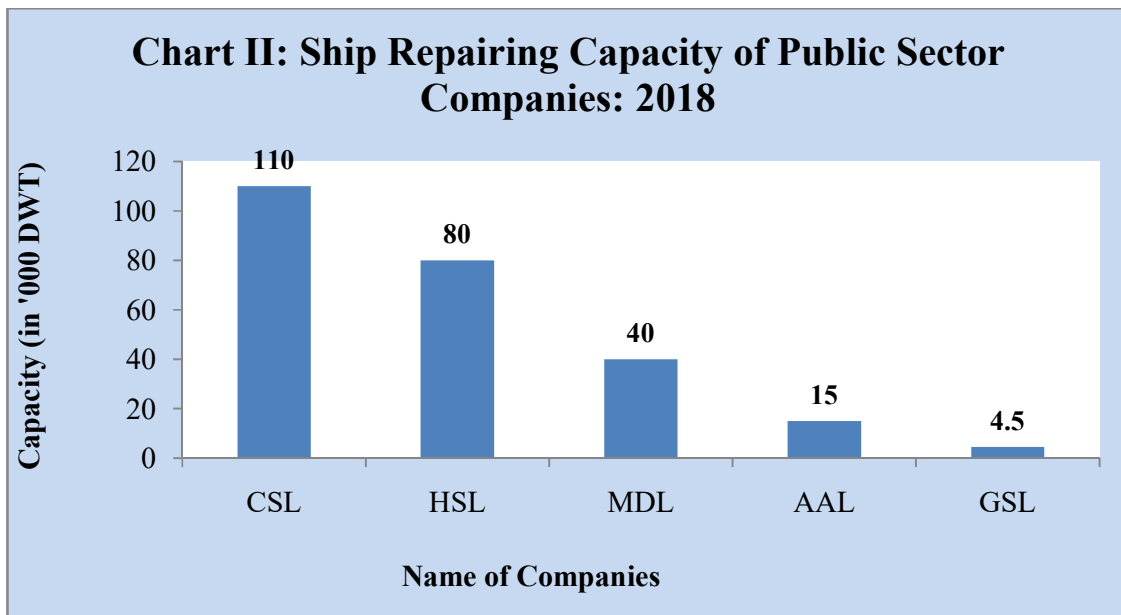
INDIA'S SHIP-BUILDING INDUSTRY

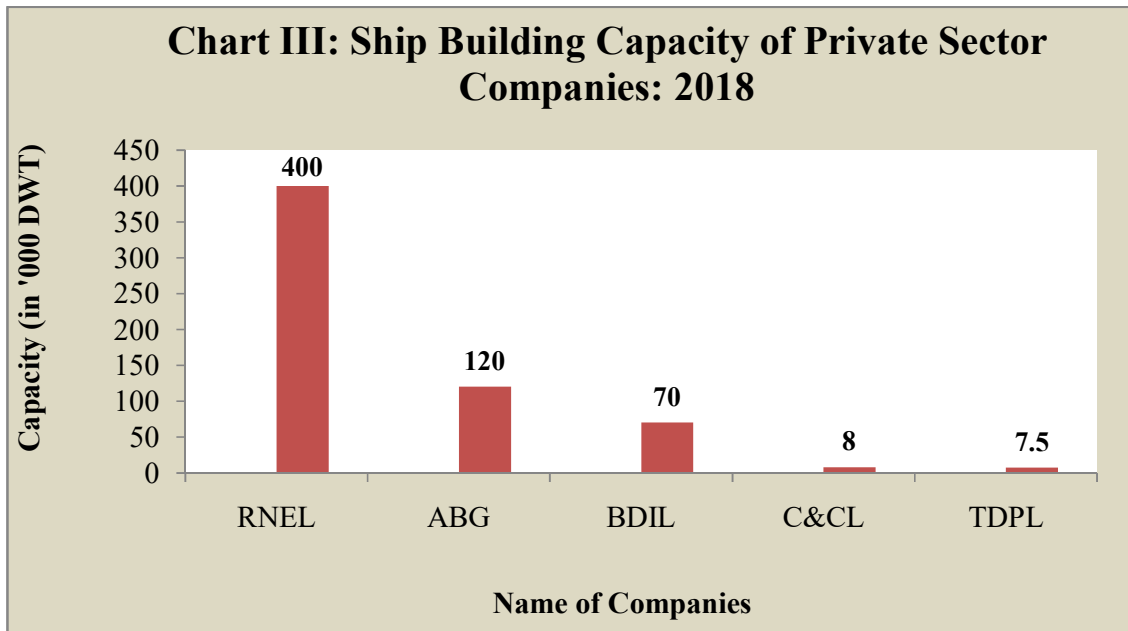
INDIA'S SHIPBUILDING INDUSTRY

SHIPBUILDING CAPACITY:

1.1 Ship building capacity of a unit is defined in terms of the maximum carrying capacity of the ship that can be built by a shipyard measured in terms of Dead Weight Tonnage (DWT) which is the number of tonnes (one tonne = 2240 pounds) of stores, fuel and cargo that a ship can carry.

1.2 Amongst public sector companies, Cochin Shipyard Ltd. (CSL) possessed the maximum ship building capacity (110 thousand DWT) followed by Hindustan Shipyard Ltd. (HSL) (80 thousand DWT), Mazgaon Dock Shipbuilders Ltd.(MDSL) (40 thousand DWT) and Alcock Ashdown Ltd (AAL) (15 thousand DWT). Amongst the reporting private sector companies, Reliance Naval & Engineering Ltd. (RNEL) possessed the maximum ship building capacity (400 thousand DWT) followed by ABG Shipyard Ltd. (ABGS) (120 thousand DWT), Bharti Defence & Infrastructure Ltd. (BDIL) (70 thousand DWT), Chowgule & Co. Ltd. (CHL) (8 thousand DWT), and Timblo Drydocks Pvt. Ltd. (TDPL) (7.5 thousand DWT). Charts II and III below presents the ship building capacity (in terms of their DWT) of some of the big shipbuilding companies as on 31st March 2018 in public & private sector. Tables 1.1 and 1.2 provides the information on company wise shipbuilding capacity from the year 2014-15 to 2017-18 (both in public & private sector).





SHIPS ON ORDER

1.3 Indian ship-building companies at the end of 2017-18 had orders of 231 ships with DWT 1001.47 thousand tonnes. As on 31st March, 2018 the public sector shipyards had orders of 69 ships of 148.63 thousand DWT from domestic companies. In terms of numbers, Garden Reach Ship-Building & Engineers Ltd., Hindustan Shipyard Ltd., Mazagon Dock Ltd. had the highest number of ships on order (14 each), followed by Cochin Shipyard Ltd. (9) and Goa Shipyard Ltd (7). Order book in terms of DWT was highest for Mazgaon Dock Ltd. at 65.57 thousand DWT followed by Hindustan Shipyard Ltd with 56.91 thousand DWT and Cochin Shipyard Ltd. with 13.83 thousand DWT.

1.4 In private sector category as on 31st March, 2018, the shipyards had orders for 162 ships of total 852.83 thousand DWT. Out of these, 50 ships with total capacity of 588.59 thousand DWT were export orders and remaining 112 ships with total capacity of 264.24 DWT were domestic orders. Amongst the reporting ship building companies in the private sector, Bharti Defence & Infrastructure Ltd. had the highest number of ships on order (54) with a total capacity of 216.46 thousand DWT followed by ABG Shipyard Ltd. (44) with a total capacity of 593.26 thousand DWT and Reliance Naval & Engineering Ltd. (28) number of ships on order with a total capacity of 1.5 thousand DWT in 2017-18. Amongst reporting companies, in terms of tonnage order book, the private sector and public sector accounted for

a share of 85.16% (852.83 thousand DWT) and 14.84% (148.63 thousand DWT) respectively in the total tonnage (1001.46 thousand DWT) of order book during 2017-18. Table 1.3 (a) (Page No. 12) contains Total Ship Order Book of Vessels by Domestic Order and by Export Order as on 31st March 2018.

COMPOSITION OF ORDER BOOK POSITION:

1.5 In the current order book, out of total 231 ships, 69 are with public sector yards and 162 are with private sector yards amounting to 148.63 thousand DWT and 852.83 thousand DWT respectively. In term of vessel types, bulk cargo had largest contribution in the order book position in both public and private sector as compared to other vessel types. **Table 3** below gives the Order Book with Indian Shipyards as on 31st March, 2018. The details are given in Table 1.3. Table 1.4 provides the information on company wise number of ships on order from the year 2014-15 to 2017-18 in public and private sector.

Table- 3: Current Order Book By Types of Vessels as on 31st March, 2018							
(‘000 DWT)							
Vessel Type Yards		Tankers	Dry Cargo	Bulk Cargo	Passengers	Others	Total
Public Sector	No.	5	0	1	7	56	69
	DWT	3.28	0	53.00	10.32	82.03	148.63
Private Sector	No.	3	16	23	4	116	162
	DWT	3.70	58.58	644.00	2.53	144.02	852.83
Total	No.	8	16	24	11	172	231
	DWT	6.98	58.58	697.00	12.85	226.05	1001.46

SHIPS DELIVERED

1.6 During the year 2017-18, among public sector companies, Goa Shipyard Ltd. delivered highest tonnage with 3.82 thousand DWT consisting of 7 ships followed by Garden Reach Shipbuilders & Engineers Ltd at 1.02 thousand DWT (4 ships) and Cochin Shipyard Ltd. at 0.12 thousand DWT (2 ships). Amongst reporting companies in the private sector, the highest tonnage was delivered by Reliance Naval & Engineering Ltd. of 74.50 thousand

DWT (1 ship) followed by Mandovi Dry Docks at 14.36 thousand DWT (7 ship). Amongst reporting companies, in terms of tonnage delivered, the private sector and public sector accounted for a share of 95.5% (105.35 thousand DWT) and 4.5% (5.01 thousand DWT) respectively in the total tonnage (110.36 thousand DWT) delivered during 2017-18. Company wise number of ships delivered along with the size from financial year 2014-15 to 2017-18 in both public and private sector are given in the Table 1.5.

1.7 **Table 4** depicts the size and number of ships delivered by both public and private ship yards in India during 2016-17 and 2017-18. Company wise number of ships on order and delivered is given in Table 1.6 (Page No. 16) and number of ships by keel laid, launched and ships under construction from financial year 2014-15 to 2017-18 are given in Table no 1.7 (page no. 17-18).

Table No. 4 : Size and Number of Ships Delivered				
Name of Companies	Ships Delivered			
	2016-17		2017-18	
	No.	DWT('000)	No.	DWT('000)
(1)	(2)	(3)	(4)	(5)
A. PUBLIC SECTOR (Total)	23	47.45	15	5.01
1. Alcock Ashdown & Co. Ltd.	0	0	0	0
2. Cochin Shipyard Ltd.	5	45.54	2	0.12
3. Garden Reach Ship- Builders & Engineers	4	0.41	4	1.02
4. Goa Shipyard Ltd.	9	0.99	7	3.82
5. Hindustan Shipyard Ltd.	3	0.46	-	-
6. Hooghly Dock & Port Engineers Ltd.	-	-	-	-
7. Mazagon Dock Ltd.	1	-	1	-
8. Shalimar Works Ltd.	1	0.05	1	0.05
B. PRIVATE SECTOR (Total)	13	80.54	49	105.35
9. Dempo Shipbuilding & Engineering Ltd.	4	-	-	-
10. ABG Shipyard Ltd.	-	-	-	-
11. Bharati Defence & Infrastructure Ltd.	-	-	2	0.05
12. Chowgule & Co. Ltd.	-	-	-	-
13. Ferromar Shipping Pvt. Ltd.	-	-	-	-
14. Vedanta Ltd @	-	-	-	-
15. A.C. Roy & Comp. Ltd.	4	0.38	10	3.41
16. Bristol Boats	-	-	-	-
17. Tebma Shipyard Ltd. ***	1	0.36	1	0.36
18. Larsen & Toubro Ltd.	-	-	-	-
19. N.N. Shipbuilders & Engineers Ltd.	-	-	-	-
20. Reliance Naval & Engineering Ltd.	3	76.50	1	74.50

21. Modest Infrastructure Pvt. Ltd.	1	3.30	-	-
22. Chidambaram Shipcare Pvt. Ltd.	-	-	-	-
23. Sembmarine Kakinada Ltd***	-	-	-	-
24. Neptunus PPS Pvt. Ltd.***	-	-	-	-
25. A.S. Moloobhoy Pvt. Ltd.	-	-	-	-
26. Shoft Shipyard Pvt. Ltd.	Companies added during 2017-18. Hence information for 2016-17 is not available.		4	4.04
27. Mandovi Dry Docks			7	14.36
28. Timblo Drydocks Pvt. Ltd.			13	5.23
29. Marks Marine Radio Pvt. Ltd.			-	-
30. Vijai Marne Shipyards			11	3.4
Grand Total (A + B)	36	127.99	64	110.36

Table No. 1.1

**Ship Building Capacity of the Company By Types & Size
(As on 31st March, 2018)**

S. No.	Name of the company	Type of vessel/ship	Max.Size/Capacity			
			Length	Width	Draft	DWT
			(Mts.)	(Mts.)	(Mts.)	(in thousand)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
A. PUBLIC SECTOR						
1	Alcock Ashdown (Gujarat) Ltd.(AAL)	(a) Bulk Carrier (b) Tankers (c) Tugs/Barges/OSV	130.00 130.00 63.00	20.00 20.00 14.60	8.70 8.70 4.00	15.00 15.00 1.20
2	Cochin Shipyard Ltd.(CSL)	All types of ships including bulk carriers, oil tankers, passenger vessels, tugs, dredgers etc.	250.00	38.00	5.00	110.00
3	Garden Reach Ship-Builders & Engineers Ltd. (GRSE)	01 No. Fleet Tanker or Frigate or Corvette or Landing Ship Tank (Large) at Dry Dock – 1 (Old) of Main Unit (Dry Dock's Length:- 160 mts., Width:- 25 mts.& Draft:- 8 mts.above KODS*)	< 160	24.00	4.00	
		01 No. Fleet Tanker or Frigate or Corvette or Landing Ship Tank (Large) at Dry Dock – 2 (New) of Main Unit (Dry Dock's Length:- 180 mts., Width:- 29 mts.& Draft:- 12mts.which is 02 mts. below KODS* and 10 mts.above KODS*)	< 180	< 29	4.00	
		03 Nos. each of Fast Attack Craft (FAC) or Inshore Patrol Vessel (IPV) or Fast Patrol Vessel (FPV) at Dry Dock – 2 of RBD Unit (Dry Dock's Length:- 158mts., Width:- 18 mts.& Draft:- 8 mts. above KODS*)	≤ 50	≤ 8	4.00	
		01 No. Fleet Tanker or Frigate or Corvette or Landing Ship Tank (Large) at Building Berth (BB)/ Inclined Berth (IB) – 1 (Old) of Main Unit (BB/ IB – 1 (Old) Length:- 162mts., Width:- 25 mts. and Sill Height:- 0.9 mts. above KODS*)	< 160	24.00	4.00	
		01 No. Fleet Tanker or Frigate or Corvette or Landing Ship Tank (Large) at Building Berth (BB)/ Inclined Berth (IB) – 2 (New) of Main Unit (BB/ IB – 2 (New) Length:- 180 mts., Width:- 23mts. and Sill Height 0.0 mts. above KODS*)	< 180	< 23	4.00	
		01 No. Fleet Tanker or Frigate or Corvette or Landing Ship Tank (Large) at Finger Jetty – 1 of FOJ Unit (Finger Jetty's Length:- 184.5 mts.,Width:- 11.5mts.& Draft:- 7.0mts.minimum above KODS*)	180.00	24.00	4.00	
		01 No. Fleet Tanker or Frigate or Corvette or Landing Ship Tank (Large) at Finger Jetty – 2 of FOJ Unit (Finger Jetty's Length:- 184.5 mts., Width:- 11.5mts.& Draft:- 7.0 mts. minimum above KODS*)	180.00	24.00	4.00	
		02 No. each of Fleet Tanker or Frigate or Corvette or Landing Ship Tank (Large) at Naval Jetty of FOJ Unit (Naval Jetty's Length:- 229 mts., Width:- 10 mts.& Draft:- 8.0 mts. minimum above KODS*)	180.00	24.00	4.00	
		01 Nos. each of Offshore Patrol Vessel (OPV) or Landing Craft Utility (LCU). Alternatively, 02 Nos. each Fast Attack Craft (FAC) or Inshore Patrol Vessel (IPV) or Fast Patrol Vessel (FPV) at Wet Basin of Main Unit (Wet Basin's Length:- 109mts., Width:- 23mts.Draft:- 8.0 mts., with Sill Height:- 1.83 mts. above KODS*)	80.00	11.00	4.00	
		01 No. each of Offshore Patrol Vessel (OPV) or Landing Craft Utility (LCU). Alternatively, 02 Nos. each of Fast Attack Craft (FAC) or Inshore Patrol Vessel (IPV) or Fast Patrol Vessel (FPV) at Western Jetty of Main Unit (Western Jetty's Length:- 100mts. with Pontoon of Length:- 25mts., Width:- 9mts.,and Height:- 4.5 mts.,)	80.00	11.00	4.00	
01 No. each of Offshore Patrol Vessel (OPV) or Landing Craft Utility (LCU). Alternatively, 02 Nos. each of Fast Attack Craft (FAC) or Inshore Patrol Vessel (IPV) or Fast Patrol Vessel (FPV) at Canteen Jetty of Main Unit (Canteen Jetty's Length:- 100mts., with Pontoon of Length:- 13.5mts., Width:- 4.5mts.,and Height:- 1.0 mts.,)	80.00	11.00	4.00			
01 No. each of Offshore Patrol Vessel (OPV) or Landing Craft Utility (LCU). Alternatively, 02 Nos. each of Fast Attack Craft (FAC) or Inshore Patrol Vessel (IPV) or Fast Patrol Vessel (FPV) at Hooghly Jetty of RBD Unit(Hooghly Jetty's Length:- 88mts., with Pontoon of Length:- 25mts., Width:- 9.0mts.,and Height:- 1.9 mts.,)	80.00	11.00	4.00			
01 No. each of Offshore Patrol Vessel (OPV) or Landing Craft Utility (LCU). Alternatively, 02 Nos. each of Fast Attack Craft (FAC) or Inshore Patrol Vessel (IPV) or Fast Patrol Vessel (FPV) at Ganga Jetty of Main Unit(Ganga Jetty's Length:- 75 mts., with Pontoon of Length:- 25mts., Width:- 9.0mts.,and Height:- 1.9 mts.,)	80.00	11.00	4.00			

Table No. 1.1 Cont...

**Ship Building Capacity of the Company By Types & Size
(As on 31st March, 2018)**

S. No	Name of the company	Type of vessel/ship	Max.Size/Capacity			
			Length	Width	Draft	DWT
			(Mts.)	(Mts.)	(Mts.)	(in thousand)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
4	Goa Shipyard Ltd.(GSL)	Advanced Offshore Petrol Vessels, Fast Patrol Vessels. Fast Attack Crafts, Survey Vessels, Sail Training Ships, Missile Crafts, Frigates*, Landing Crafts, Tugs, Dredgers, Launchers, Passenger Ferries, Fishing Vessels, GRP boats and other medium sized sophisticated vessels	130.00	20.00	5.00	4.50
5	Hindustan Shipyard Ltd.(HSL)	All Types of Ocean going vessels.	195.00	38.00	17.00	80.00
6	Hooghly Dock & Port Engineers Ltd. (HDPE)	a) Tanker b) Dredger/Passengers/Light Ship c) Work accommodation Boat d) Cargo/Tug/Trawler	67.00 90.00 24.00 30.00	12.50 16.00 8.00 12.00	4.00 4.50 1.50 4.50	1.20 3.00 0.06 -
7	Mazagaon Dock Shipbuilders Ltd.(MDSL)	North Yard (Bulk Carriers, Destroyers and Frigates) South Yard (Bulk Carriers, Destroyers and Frigates) Destroyers and Frigates Merchant Ships like Bulk Carriers	200.0 182.0 180.0 200.0	27.0 24.0 22.0 27.0	5.5 5.5 3.5/6.2 3.5/10	- - - 40.0
8	Shalimar Works Ltd.(SWL)	Barge/Ferry Craft	65.00	12.00	3.50	0.50
B.	<u>PRIVATE SECTOR</u>					
9	Dempo Shipbuilding & Engineering Pvt Ltd.(DSEL)	(a) Barges - Sea Going, RSV, Containers, Tankers, MPV, Crane Barges, Passenger Ferries, Split Barges, Ro-Ro Vessels, Spud Pontoons, Jackup Barges (b) Tugs - Sea Going, IV, RSV, Dredgers, AHTS (c) Supply Vessels - Offshore, Pilot Launches, Mooring Launches, Harbour Crafts.	100.00 100.00 100.00	20.00 20.00 20.00	2.20 2.20 2.20	4.50 - -
10	ABG Shipyard Ltd.(ABGS)	Anchor handling tugs & supply vessels, diving support vessels. Well head maintenance vessels, dynamic positioning vessels, tugs, offshore support vessels. Bulk carriers, tankers, floating cranes, pollution control vessels, special purpose vessels. Handymax and Supramax Bulk Carriers, Anchor handling tugs & supply vessels, offshore support vessels, tankers, special purpose vessels, Platform Supply Vessels.	150.00 231.00	22.00 47.00	8.50 13.00	20.00 120.00
11	Bharti Defence & Infrastructure Ltd. (BDIL)	All types of Ships upto 250.0 meter in length Presently Incl. Cargo vessels, (Dry & bulk), Tankers Passenger Vessels/Ferries, Off shore petrol vessels, off-shore support/supply vessels, AHTS,Tugs, Tankers,Dredgers, Ro-Ro vessels etc.	250.00	45.00	5.50	70.00
12	Chowgule & Co. Ltd. (CHL)	(a) Sea going Multipurpose Cargo Carriers, Container Carriers, Tankers, Dredgers. (b) River sea vessel (RSV) Type I to IV (c) Offshore Patrol Vessel and other support vessel for Indian Navy and Indian Coast Guard (d) Tugs, Offshore Support vessels. (e) ICE Class Vessel, Multipurpose Cargo Vessels.	110.00 110.00 120.00 60.00 110.00	18.00 18.00 16.00 16.00 18.00	3.3/6.5 3.3/6 3.3/6 3.3/6 3.3/6.5	8.00 6.00 - - 8.00
13	Ferromar Shipping Pvt. Ltd. (FSL)	I.R.S. Type for heavy cargo Bureau Veritas for heavy cargo	70.00 64.00	13.00 11.50	1.20 1.20	2.00 1.20
14	Vedanta Limited @	NIL				
15	A.C.Roy & Co. Ltd.(ACRL)	(a) Launch (b) Tug (c) Barge	26.00 20.00 65.00	7.00 6.00 12.00	2.50 2.50 3.00	0.04 0.03 1.50

Table No. 1.1 Cont...

**Ship Building Capacity of the Company By Types & Size
(As on 31st March, 2018)**

S. No.	Name of the company	Type of vessel/ship	Max.Size/Capacity			
			Length	Width	Draft	DWT
			(Mts.)	(Mts.)	(Mts.)	(in thousand)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
16	Bristol Boats(BB)	(a) FRP Petrol Crafts (b) Others	20.00 12.00	5.00 4.00	4.00 3.50	0.05 0.015
17	Tebma Shipyard Ltd. (TSL) ***	Offshore Vessels (PSV, MPSV, AHTs), Geo Technical Survey Vessels, Harbour craft all type Tugs, Dredgers, Launches, Barges, Ferries, Cargo vessels	125.00	22.00	6.00	12.00
18	L&T Shipbuilding Ltd.(L&T)	Any type of Commercial/ Defence Vessels upto a length of 200 mtr. and beam of 46 mtr.				
19	N N Shipbuilders and Engineers Pvt. Ltd.(NNSE)	(a) Tugs - (2) (b) Pontoons - (4) (c) Ferry/Barges	40.00 40.00 30.00	10.00 12.00 10.00	2.30 4.00 2.30	- - -
20	Reliance Naval and Engineering Ltd. (RNEL) **	All types of sea going vessels and craft	380.00	58.00	10.00	400.00
21	Modest Infrastructure Pvt. Ltd. (MIPL)	a) Fuel Barge/Oil Tanker	58.00	11.00	3.00	0.50
		b) Multi Purpose Vessel	72.00	13.00	2.50	0.80
		c) Product Tanker	60.00	12.00	3.20	1.00
		d) Cement Carrier	78.00	13.50	3.00	2.20
		e) Ferry Craft	72.00	12.80	2.80	200 men
		f) Tug	33.00	11.50	4.10	Bollard Pull- 65 T
		g) Offshore Survey Vessel	59.20	15.00	2.50	-
		h) Axiliary Craft	80.00	13.00	2.80	-
		i) Dredger	27.00	12.00	2.50	1250 m3/hr
		j) Offshore Dumb Barge	72.00	20.00	3.50	3.50
		k) Non Propelled Stowage Barge	40.00	18.00	2.50	<1000T
22	Chidambaranar Shipcare Pvt. Ltd. (CSPL)		...	...	...	...
23	Sembmarine Kakinada Ltd. (SKL) ***	Offshore Vessels, Barges, Bulk carrier, Drill ships, Tankers, Tugs, Geo-technical vessels, Diving Support vessels, Passenger vessels and others.	200.00	40.00	8.50	50.00
24	Neptunus Power Plant Services Pvt. Ltd.(NNPS)***	-	-	-	-	-
25	A.S. Moloobhoy Pvt. Ltd.(ASMPPL)	-	-	-	-	-
26	Shoft Shipyard Pvt. Ltd.(SSPL)	Barges	70	14	3.3	2.35
		Multi Utility Crafts	18.5	7	1.5	0.041
		Cargo Vessels	81	15	2.8	2.27
		Tugs	23.5	7.8	2	0.036
27	Mandovi Dry Docks (MDD)	General Cargo Barge	80.85	17.2	4.5	4.5
		Bollard Pull Tug	35	10.2	3.9	
		Landing Craft	65.48	14.2	3	1.95
		Aluminium Crew Boat	40.4	7.8	1.2	
		Passenger Vessel	65.85	15	3	
28	Timblo Drydocks Pvt. Ltd.(TDPL)	Cargo Vessels	120	20	4.5	6
		Barges	120	20	4.5	7.5
		Ferry Craft	120	20	4.5	200 Pax
		Tugs	65	12	4.5	50T BP
		Naval Ships of various Class/ Types	110	15	4	1.5
		GRPBoats/ Barges	30	15	4	
29	Marks Marine Radio Pvt. Ltd.(MMRPL)	-	-	-	-	-
30	Vijai Marine Shipyard (VMS)	Passanger	105	20	2.5	0.2
		Tankers	105	20	2.5	2.7
		Cargo	105	20	2.5	2.9

*** No information is received from these companies. Hence last reported data has been repeated for Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.

* Nominated for construction of Two Frigates for Indian Navy with Russian Collaboration.

** Earlier Pipavav

@ Ship Building yard has been close down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out now.

Note: Five New companies (From S. No. 26 to 30) has been added from 2017-18; based on the list provided by Shipping Association of India (SAI).

Table No. 1.2

**Ship Building Capacity - By Company-wise
(2014-15 to 2017-18)**

(DWT in thousand tons)

Name of The Company	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)
<u>A. PUBLIC SECTOR</u>				
1. Alcock Ashdown (Gujarat) Ltd.	15.00	15.00	15.00	15.00
2. Cochin Shipyard Ltd.	110.00	110.00	110.00	110.00
3. Garden Reach Ship-Builders & Engineers Ltd.	0.55	0.55	0.22	-
4. Goa Shipyard Ltd.	10.00	4.50	4.50	4.50
5. Hindustan Shipyard Ltd.	80.00	80.00	80.00	80.00
6. Hooghly Dock & Port Engineers Ltd.	12.00	3.00	3.00	3.00
7. Mazagon Dock Ltd.	-	-	**	40.00
8. Shalimar Works Ltd.	1.20	1.20	0.05	0.50
<u>B. PRIVATE SECTOR</u>				
9. Dempo Shipbuilding and Engineering Ltd.	5.50	5.50	5.50	4.50
10. ABG Shipyard Ltd.	20.00	20.00	120.00	120.00
11. Bharati Defence & Infrastructure Ltd.	70.00	70.00	70.00	70.00
12. Chowgule & Co. Ltd.	8.00	8.00	8.00	8.00
13. Ferromar Shipping Pvt. Ltd.	2.00	2.00	2.00	2.00
14. Vedanta Ltd.	-	-	2.40	NIL @
15. A.C.Roy & Co. Ltd.	1.50	1.50	1.50	1.50
16. Bristol Boats	0.05	0.05	0.05	0.05
17. Tebma Shipyard Ltd.***	12.00	12.00	12.00	12.00
18. L&T Shipbuilding Ltd.	30.00	30.00	*	*
19. N N Shipbuilders And Engineers Pvt Ltd	-	-	-	-
20. Reliance Naval and Engineering Ltd.	400.00	400.00	400.00	400.00
21. Modest Infrastructure Pvt. Ltd.	3.50	3.50	3.50	3.50
22. Chidambaranar Shipcare Pvt. Ltd.	-	-	-	-
23. Sembmarine Kakinada Ltd.***	50.00	50.00	50.00	50.00
24. Neptunus Power Plant Services Pvt. Ltd.***	-	-	-	-
25. A.S. Moloobhoy Pvt. Ltd.	-	-	-	-
26. Shoft Shipyard Pvt. Ltd.	-	-	-	2.35
27. Mandovi Dry Docks	-	-	-	4.50
28. Timblo Drydocks Pvt. Ltd.	-	-	-	7.50
29. Marks Marine Radio Pvt. Ltd.	-	-	-	-
30. Vijai Marine Shipyards	-	-	-	2.90

* Any type of Commercial/ Defence Vessels upto a length of 200 mtr. and beam of 46 mtr.

** Annual capacity is 0.97 EFU (Effective Frigate Unit)

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.

@ Ship Building yard has been close down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out no

Table No. 1.3

**Ship Order Book Position by Type of Vessels
(As on 31st March, 2018)**

(DWT in thousand tons)

Name of Company	Type of Ship on Domestic Order (A - For Sea Going Vessels)												Type of Ship on Domestic Order (B - For Other Crafts)								Total (A + B)			
	Tanker		Dry Cargo		Bulk Carriers		Passenger/Passenger-cum-Cargo Ships		Product Carriers		Others		Port Craft		Fishing Trawlers		Off-shore Sector		IWT				Others	
	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
A. Public Sector																								
1. Alcock Ashdown (Gujarat) Ltd.	-	-	-	-	-	-	-	-	-	-	5	1.11	-	-	-	-	-	-	-	-	-	-	5	1.11
2. Cochin Shipyard Ltd.	-	-	-	-	-	-	4	10.17	-	-	1	3.52	-	-	3	0.14	-	-	-	-	1	-	9	13.83
3. Garden Reach Ship-builders and Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	14	5.46	-	-	-	-	-	-	-	-	-	-	14	5.46
4. Goa Shipyard Ltd.	2	2.60	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2.31	-	-	-	-	-	7	4.91
5. Hindustan Shipyard Ltd.	-	-	-	-	1	53.00	-	-	-	-	2	3.42	1	0.19	-	-	-	-	-	-	10	0.302	14	56.91
6. Hooghly Dock & Port Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
7. Mazagon Dock Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	65.57	14	65.57
8. Shalimar Works Ltd.	3	0.68	-	-	-	-	3	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	6	0.84	
Total (A)	5	3.28	0	0.00	1	53.00	7	10.32	0	0.00	22	13.51	1	0.19	3	0.14	5	2.31	0	0.00	25	65.87	69	148.63
B. Private Sector																								
9. Dempo Shipbuilding & Engineering Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
10. ABG Shipyard Ltd.	-	-	-	-	10	180.00	-	-	-	-	-	-	-	-	-	-	21	58.16	-	-	-	-	31	238.16
11. Bharati Defence & Infrastructure Ltd	-	-	-	-	-	-	2	2.24	-	-	1	3.70	-	-	-	1	2.00	-	-	-	24	2.74	28	10.68
12. Chowgule Shipping Ltd.	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	0.00
13. Ferromar Shipping Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
14. Vedanta Ltd. @	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
15. A.C. Roy & Co. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1.185	-	-	6	1.19
16. Bristol Boats	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
17. Tebma Shipyard Ltd***	-	-	-	-	-	-	-	-	-	-	-	-	1	0.36	...	...	...	...	...	...	-	-	1	0.36
18. L&T Shipbuilding Ltd.**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	...	0	0.00
19. N N Shipbuilders and Engineers Pvt Ltd	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	0.00
20. Reliance Naval & Engineering Ltd.	-	-	-	-	-	-	-	-	-	-	25	1.50	-	-	-	-	3	-	-	-	-	-	28	1.50
21. Modest Infrastructure Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1.00
22. Chidambaram Shipcare Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
23. Sembmarine Kakinada Ltd. ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
24. Neptunus Power Plant Services Pvt. Ltd***	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0.00
25. A.S. Moloobhoy Pvt. Ltd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0.00
26. Shoft Shipyard Pvt. Ltd.	-	-	1	2.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2.26
27. Mandovi Dry Docks	1	1.3	3	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6.40
28. Timblo Drydocks Pvt. Ltd.	1	1	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	4	1.00
29. Marks Marine Radio Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
30. Vijai Marine Shipyards	1	1.40	-	-	-	-	1	0.20	-	-	-	-	-	-	1	0.10	-	-	-	-	-	-	3	1.70
Total (B)	3	3.70	4	7.36	10	180.00	3	2.44	0	0.00	35	6.20	1	0.36	1	0.10	25	60.16	6	1.19	24	2.74	112	264.24
Total (A + B)	8	6.98	4	7.36	11	233.00	10	12.76	0	0.00	57	19.71	2	0.55	4	0.24	30	62.47	6	1.19	49	68.61	181	412.88

@ Ship Building yard has been close down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out now.

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.

Table No. 1.3 (Contd.)

**Ship Order Book Position by Type of Vessels
(As on 31st March, 2018)**

(DWT in thousand tons)

Name of Company	Type of Ship on Export Order (A - For Sea Going Vessels)												Type of Ship on Export Order (B - For Other Crafts)										Total (A + B)				
	Tanker		Dry Cargo		Bulk Carriers		Passenger/Passenger-cum-Cargo Ships		Product Carriers		Others		Port Craft		Fishing Trawlers		Off-shore Sector		IWT		Others						
	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	No. of Ships	DWT	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
A. Public Sector																											
1. Alcock Ashdown (Gujarat) Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
2. Cochin Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
3. Garden Reach Ship-builders and Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
4. Goa Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
5. Hindustan Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
6. Hooghly Dock & Port Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
7. Mazagon Dock Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
8. Shalimar Works Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
Total (A)	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	
B. Private Sector																											
9. Dempo Shipbuilding & Engineering Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
10. ABG Shipyard Ltd.	-	-	-	-	7	344	-	-	-	-	-	-	-	-	-	-	6	11.1	-	-	-	-	-	-	-	13	355.10
11. Bharati Defence & Infrastructure Ltd	-	-	5	25.90	6	120.00	-	-	4	25.00	-	-	-	-	-	-	11	34.88	-	-	-	-	-	-	-	26	205.78
12. Chowgule Shipping Ltd.	-	-	6	25.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	25.32
13. Ferromar Shipping Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
14. Vedanta Ltd. @	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
15. A.C. Roy & Co. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
16. Bristol Boats	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
17. Tebma Shipyard Ltd***	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0.00
18. L&T Shipbuilding Ltd.**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2.30	-	-	-	-	-	-	-	3	2.30
19. N N Shipbuilders and Engineers Pvt Ltd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
20. Reliance Naval & Engineering Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
21. Modest Infrastructure Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
22. Chidambaram Shipcare Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
23. Sembmarine Kakinada Ltd. ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
24. Neptunus Power Plant Services Pvt. Ltd***	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0.00
25. A.S. Moloobhoy Pvt. Ltd.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0	0.00
26. Shoft Shipyard Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
27. Mandovi Dry Docks	-	-	1	-	-	-	1	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0.09
28. Timblo Drydocks Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
29. Marks Marine Radio Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
30. Vijai Marine Shipyards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.00
Total (B)	0	0.00	12	51.22	13	464.00	1	0.09	4	25.00	0	0.00	0	0.00	0	0.00	20	48.28	0	0.00	0	0.00	0	0.00	50	588.59	
Total (A + B)	0	0.00	12	51.22	13	464.00	1	0.09	4	25.00	0	0.00	0	0.00	0	0.00	20	48.28	0	0.00	0	0.00	0	0.00	50	588.59	

** Data pertains to only of its commercial ships. Data of Defence vessels not included.

@ Ship Building yard has been close down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out now.

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.

Table No. 1.3 (a)

**Total Ship Order Book of Vessels by Domestic Order and
by Export Order (As on 31st March, 2018)**

(DWT in thousand tons)

Name of Company	Domestic Order		Export Order		Total Ship Order	
	No. of Ships	DWT	No. of Ships	DWT	No. of Ships (2+4)	DWT (3+5)
1	2	3	4	5	6	7
A. Public Sector						
1. Alcock Ashdown (Gujarat) Ltd.	5	1.11	0	0.00	5	1.11
2. Cochin Shipyard Ltd.	9	13.83	0	0.00	9	13.83
3. Garden Reach Ship-builders & Engineers Ltd.	14	5.46	0	0.00	14	5.46
4. Goa Shipyard Ltd.	7	4.91	0	0.00	7	4.91
5. Hindustan Shipyard Ltd.	14	56.91	0	0.00	14	56.91
6. Hooghly Dock & Port Engineers Ltd.	0	0.00	0	0.00	0	0.00
7. Mazagon Dock Ltd.	14	65.57	0	0.00	14	65.57
8. Shalimar Works Ltd.	6	0.84	0	0.00	6	0.84
Total (A)	69	148.63	0	0.00	69	148.63
B. Private Sector						
9. Dempo Shipbuilding & Engineering Ltd.	0	0.00	0	0.00	0	0.00
10. ABG Shipyard Ltd.	31	238.16	13	355.10	44	593.26
11. Bharati Defence & Infrastructure Ltd	28	10.68	26	205.78	54	216.46
12. Chowgule Shipping Ltd.	3	0.00	6	25.32	9	25.32
13. Ferromar Shipping Pvt. Ltd.	0	0.00	0	0.00	0	0.00
14. Vedanta Ltd.@	0	0.00	0	0.00	0	0.00
15. A.C. Roy & Co. Ltd.	6	1.19	0	0.00	6	1.19
16. Bristol Boats	0	0.00	0	0.00	0	0.00
17. Tebma Shipyard Ltd***	1	0.36	0	0.00	1	0.36
18. L&T Shipbuilding Ltd.**	0	0.00	3	2.30	3	2.30
19. N N Shipbuilders and Engineers Pvt Ltd	2	0.00	0	0.00	2	0.00
20. Reliance Naval & Engineering Ltd.	28	1.50	0	0.00	28	1.50
21. Modest Infrastructure Pvt. Ltd.	1	1.00	0	0.00	1	1.00
22. Chidambaranar Shipcare Pvt. Ltd.	0	0.00	0	0.00	0	0.00
23. Sembmarine Kakinada Ltd.***	0	0.00	0	0.00	0	0.00
24. Neptunus Power Plant Services Pvt. Ltd***	0	0.00	0	0.00	0	0.00
25. A.S. Moloobhoy Pvt. Ltd.	0	0.00	0	0.00	0	0.00
26. Shoft Shipyard Pvt. Ltd.	1	2.26	0	0.00	1	2.26
27. Mandovi Dry Docks	4	6.40	2	0.09	6	6.49
28. Timblo Drydocks Pvt. Ltd.	4	1.00	0	0.00	4	1.00
29. Marks Marine Radio Pvt. Ltd.	0	0	0	0	0	0.00
30. Vijai Marine Shipyards	3	2	0	0	3	1.70
Total (B)	112	264.24	50	588.59	162	852.83
Total (A + B)	181	412.87	50	588.59	231	1001.47

** Data pertains only of its commercial ships. Data of Defence vessels not included.

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.

@ Ship Building yard has been close down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out now.

Table No. 1.4

**No. of Ships on Order - Company-wise
2015-2018**

Name of the Company	As on 31st March			
	2015	2016	2017	2018
(1)	(2)	(3)	(4)	(5)
A. PUBLIC SECTOR(Total)	93	104	78	69
1. Alcock Ashdown (Gujarat) Ltd.	5	5	5	5
2. Cochin Shipyard Ltd.	7	11	8	9
3. Garden Reach Ship-Building & Engineers Ltd.	15	15	19	14
4. Goa Shipyard Ltd.	10	32	15	7
5. Hindustan Shipyard Ltd.	24	13	10	14
6. Hooghly Dock & Port Engineers Ltd.	4	0	0	0
7. Mazagaon Dock Ltd.	17	17	14	14
8. Shalimar Works Ltd.	11	11	7	6
B. PRIVATE SECTOR(Total)	199	192	170	162
9. Dempo Shipbuilding and Engg. Ltd.	0	1	0	0
10. ABG Shipyard Ltd.	64	63	47	44
11. Bharati Defence & Infrastructure Ltd	61	57	56	54
12. Chowgule & Co. Ltd.	3	1	7	9
13. Ferromar Shipping Pvt. Ltd.	0	0	0	0
14. Vedanta Ltd @	0	0	0	0
15. A.C.Roy & Co. Ltd.	9	9	10	6
16. Bristol Boats	0	0	0	0
17. Tebma Shipyard Ltd***	6	6	1	1
18. L&T Shipbuilding Ltd.**	8	8	3	3
19. N N Shipbuilders and Engineers Pvt Ltd	4	4	4	2
20. Reliance Naval & Engineering Ltd.	42	42	42	28
21. Modest Infrastructure Pvt. Ltd.	2	1	0	1
22. Chidambaram Shipcare Pvt. Ltd.	0	0	0	0
23. Sembmarine Kakinada Ltd.***	0	0	0	0
24. Neptunus Power Plant Services Pvt. Ltd***	-	-	-	0
25. A.S. Moloobhoy Pvt. Ltd.	-	-	-	-
26. Shoft Shipyard Pvt. Ltd.	-	-	-	1
27. Mandovi Dry Docks	-	-	-	6
28. Timblo Drydocks Pvt. Ltd.	-	-	-	4
29. Marks Marine Radio Pvt. Ltd.	-	-	-	-
30. Vijai Marine Shipyards	-	-	-	3
C. Total (A + B)	292	296	248	231

@ Ship Building yard has been close down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out now.

** Data pertains to only of its commercial ships. Data of Defence vessels not included.

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.

Table No. 1.5

**Size And Number Of Ships Delivered, Company-wise
(2014-15 to 2017-18)**

Name of the Company	Year	DWT(in thousand tons)			
		Ship Delivered		Size ('000 DWT)	
		No.	DWT('000)	Maximum	Minimum
(1)	(2)	(3)	(4)	(5)	(6)
A. PUBLIC SECTOR	2017-18	15	5.01		
	2016-17	23	47.45		
	2015-16	32	48.51		
	2014-15	15	106.91		
1. Alcock Ashdown (Gujarat) Ltd.	2017-18	0	0.00	0.00	0.00
	2016-17	0	0.00	0.00	0.00
	2015-16	0	0.00	0.00	0.00
	2014-15	1	0.13	0.13	0.13
2. Cochin Shipyard Ltd.	2017-18	2	0.12	0.06	0.06
	2016-17	5	45.54	45.54	45.54
	2015-16	6	1.50	1.50	1.50
	2014-15	7	10.60	4.00	1.10
3. Garden Reach Ship-Builders and Engineers Ltd.	2017-18	4	1.02	0.52	0.06
	2016-17	4	0.41	0.22	0.06
	2015-16	1	45.00	45.00	45.00
	2014-15	2	85.00	45.00	40.00
4. Goa Shipyard Ltd.	2017-18	7	3.82	1.00	0.062
	2016-17	9	0.99	0.46	0.062
	2015-16	15	1.27	0.46	0.014
	2014-15	2	0.44	0.44	0.004
5. Hindustan Shipyard Ltd.	2017-18	-	-	-	-
	2016-17	3	0.46	0.20	0.07
	2015-16	3	0.46	0.20	0.06
	2014-15	-	-	-	-
6. Hooghly Dock & Port Engineers Ltd.	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	4	0.24	0.06	0.06
	2014-15	-	-	-	-
7. Mazagon Dock Ltd.	2017-18	1	-	-	-
	2016-17	1	-	-	-
	2015-16	2	-	-	-
	2014-15	2	10.70	7.30	3.40
8. Shalimar Works Ltd.	2017-18	1	0.05	0.05	0.05
	2016-17	1	0.05	0.05	0.05
	2015-16	1	0.04	0.04	0.04
	2014-15	1	0.04	0.04	0.04
B. PRIVATE SECTOR	2017-18	49	105.35		
	2016-17	13	80.54		
	2015-16	23	94.53		
	2014-15	24	97.69		
9. Dempo Shipbuilding & Engineering Ltd.	2017-18	-	-	-	-
	2016-17	4	-	-	-
	2015-16	-	-	-	-
	2014-15	1	2.90	2.90	2.90
10. ABG Shipyard Ltd.	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	3	1.70	1.50	0.10
	2014-15	-	-	-	-
11. Bharati Defence & Infrastructure Ltd	2017-18	2	0.05	0.05	0.05
	2016-17	-	-	-	-
	2015-16	2	0.03	0.02	0.02
	2014-15	4	0.64	0.21	0.02
12. Chowgule & Co. Ltd.	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	4	2.65	2.65	2.65
	2014-15	4	3.10	1.55	1.54

Table No. 1.5

**Size And Number Of Ships Delivered, Company-wise
(2014-15 to 2017-18)**

Name of the Company	Year	DWT(in thousand tons)			
		Ship Delivered		Size (DWT)	
		No.	DWT	Maximum	Minimum
(1)	(2)	(3)	(4)	(5)	(6)
13. Ferromar Shipping Pvt. Ltd.	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	-	-	-	-
	2014-15	-	-	-	-
14. Vedanta Ltd @	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	-	-	-	-
	2014-15	-	-	-	-
15. A.C.Roy & Comp. Ltd.	2017-18	10	3.41	0.72	0.04
	2016-17	4	0.38	0.23	0.04
	2015-16	3	1.49	1.44	0.03
	2014-15	3	1.49	1.44	0.03
16. Bristol Boats	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	-	-	-	-
	2014-15	-	-	-	-
17. Tebma Shipyard Ltd***	2017-18	1	0.36	0.36	0.36
	2016-17	1	0.36	0.36	0.36
	2015-16	4	5.56	4.65	0.36
	2014-15	4	5.56	4.65	0.36
18. L&T Shipbuilding Ltd**	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	2	5.00	2.50	2.50
	2014-15	2	5.00	2.50	2.50
19. N N Shipbuilders and Engineers Pvt Ltd	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	-	-	-	-
	2014-15	-	-	-	-
20. Reliance Naval & Engineering Ltd.	2017-18	1	74.50	74.50	74.50
	2016-17	3	76.50	73.50	1.50
	2015-16	3	76.50	73.50	1.50
	2014-15	3	76.50	73.50	1.50
21. Modest Infrastructure Pvt. Ltd.	2017-18	-	-	-	-
	2016-17	1	3.30	3.30	3.30
	2015-16	2	1.60	0.80	0.80
	2014-15	3	2.50	1.50	0.50
22. Chidambaram Shipcare Pvt. Ltd.	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	-	-	-	-
	2014-15	-	-	-	-
23. Sembmarine Kakinada Ltd. ***	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	-	-	-	-
	2014-15	-	-	-	-
24. Neptunus Power Plant Services Pvt. Ltd**	2017-18	-	-	-	-
	2016-17	-	-	-	-
25. A.S. Moloobhoy Pvt. Ltd.	2017-18	-	-	-	-
	2016-17	-	-	-	-
26. Shoft Shipyard Pvt. Ltd.	2017-18	4	4.04	2.27	0.004
27. Mandovi Dry Docks	2017-18	7	14.36	5.1	0.06
28. Timblo Drydocks Pvt. Ltd.	2017-18	13	5.23	4.23	1
29. Marks Marine Radio Pvt. Ltd.	2017-18	-	-	-	-
30. Vijai Marine Shipyards	2017-18	11	3.4	1.5	0.2
	2017-18	64	110.36		
Grand Total (A + B)	2016-17	36	127.99		
	2015-16	55	143.04		
	2014-15	39	204.60		

** Data pertains to only of its commercial ships. Data of Defence vessels not included.

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.

@ Ship Building yard has been close down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out now.

Table No. 1.6**No. Of Ships On Order And No. Of Ships Delivered -Company-wise (2014-15 to 2017-18)**

Name of The Company	No. of Ships On Order During the year				Ships Delivered During the year			
	2014-15	2015-16	2016-17	2017-18	2014-15	2015-16	2016-17	2017-18
1	2	3	4	5	6	7	8	9
A. PUBLIC SECTOR	93	104	78	69	15	32	23	15
1. Alcock Ashdown (Gujarat) Ltd.	5	5	5	5	1	0	0	0
2. Cochin Shipyard Ltd.	7	11	8	9	7	6	5	2
3. Garden Reach Shipbuilders & Eng. Ltd	15	15	19	14	2	1	4	4
4. Goa Shipyard Ltd.	10	32	15	7	2	15	9	7
5. Hindustan Shipyard Ltd.	24	13	10	14	-	3	3	-
6. Hooghly Dock & Port Engineers Ltd.	4	0	0	0	-	4	-	-
7. Mazagon Dock Ltd.	17	17	14	14	2	2	1	1
8. Shalimar Works Ltd.	11	11	7	6	1	1	1	1
B. PRIVATE SECTOR	199	192	170	162	24	23	13	49
9. Dempo Shipbuilding & Engg. Ltd.	0	1	0	0	1	0	4	-
10. ABG Shipyard Ltd.	64	63	47	44	-	3	-	-
11. Bharati Defence & Infrastructure Ltd	61	57	56	54	4	2	-	2
12. Chowgule & Co. Ltd.	3	1	7	9	4	4	-	-
13. Ferromar Shipping Pvt. Ltd.	0	0	0	0	-	-	-	-
14. Vedanta Ltd. @	0	0	0	0	-	-	-	-
15. A.C.Roy & Comp. Ltd.	9	9	10	6	3	3	4	10
16. Bristol Boats	0	0	0	0	0	0	-	-
17. Tebma Shipyard Ltd***	6	6	1	1	4	4	1	1
18. L&T Shipbuilding Ltd **	8	8	3	3	2	2	-	-
19. N N Shipbuilders and Engineers Pvt Ltd	4	4	4	2	-	-	-	-
20. Reliance Naval & Engineering Ltd.	42	42	42	28	3	3	3	1
21. Modest Infrastructure Pvt. Ltd.	2	1	0	1	3	2	1	-
22. ChidambaramShipcare Pvt. Ltd.	0	0	0	0	-	-	-	-
23. Sembmarine Kakinada Ltd. ***	0	0	0	0	-	-	-	-
24. Neptunus Power Plant Services Pvt. Ltd	-	-	-	0	-	-	-	-
25. A.S. Moloobhoy Pvt. Ltd.	-	-	-	0	-	-	-	-
26. Shoft Shipyard Pvt. Ltd.	-	-	-	1	-	-	-	4
27. Mandovi Dry Docks	-	-	-	6	-	-	-	7
28. Timblo Drydocks Pvt. Ltd.	-	-	-	4	-	-	-	13
29. Marks Marine Radio Pvt. Ltd.	-	-	-	-	-	-	-	-
30. Vijai Marine Shipyards	-	-	-	3	-	-	-	11
TOTAL(A+B)	292	296	248	231	39	55	36	64

** Data pertains to only of its commercial ships. Data of Defence vessels not included.

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.

@ Ship Building yard has been close down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out now.

Table No. 1.7**No. Of Ships - By Keel Laid, Launched And Ships Under Construction, Company-wise (2014-15 to 2017-18)**

Name of The Company	Year	Keel-laid	No. of Ships Launched	Under Construction at	Under Fitting at Jetty Quay
(1)	(2)	(3)	(4)	(5)	(6)
<u>A. PUBLIC SECTOR</u>					
1. Alcock Ashdown (Gujarat) Ltd.	2017-18	5	-	5	-
	2016-17	5	-	5	-
	2015-16	5	-	5	-
	2014-15	5	-	5	-
2. Cochin Shipyard Ltd.	2017-18	4	-	-	2
	2016-17	-	-	-	2
	2015-16	1	-	-	2
3. Garden Reach Ship-building & Engineer	2017-18	1	2	-	3
	2016-17	3	1	-	7
	2015-16	-	3	4	11
4. Goa Shipyard Ltd.	2017-18	3	6	-	6
	2016-17	3	3	2	3
	2015-16	5	3	2	3
	2014-15	2	2	7	2
5. Hindustan Shipyard Ltd.	2017-18	6	-	-	4
	2016-17	6	-	-	4
	2015-16	6	1	5	6
	2014-15	3	-	-	4
6. Hooghly Dock & Port Engineers Ltd.	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	-	-	-	-
7. Mazagon Dock Ltd.	2017-18	4	-	4	-
	2016-17	2	4	4	1
	2015-16	-	1	-	-
	2014-15	-	-	-	-
8. Shalimar Works Ltd.	2017-18	0	0	5	1
	2016-17	-	-	4	1
	2015-16	-	-	5	2
	2014-15	-	-	5	2
<u>B. PRIVATE SECTOR</u>					
9. Dempo Shipbuilding & Engineering Ltd.	2017-18	-	-	-	3
	2016-17	-	-	-	-
	2015-16	-	-	1	-
	2014-15	-	-	-	-
10. ABG Shipyard Ltd.	2017-18	44	-	-	1
	2016-17	46	-	-	1
	2015-16	62	-	-	1
	2014-15	-	-	-	-
11. Bharati Defence & Infrastructure Ltd	2017-18	-	2	40	8
	2016-17	-	-	40	8
	2015-16	-	3	36	8
	2014-15	-	4	39	9
12. Chowgule & Co. Ltd.	2017-18	4	-	2	-
	2016-17	-	-	1	-
	2015-16	-	-	-	-
	2014-15	2	4	6	-
13. Ferromar Shipping Pvt. Ltd.	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	-	-	-	-
	2014-15	-	-	-	-
14. Vedanta Ltd. @	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	-	-	-	-
	2014-15	-	-	-	-

Table No. 1.7(Contd...)

No. Of Ships - By Keel Laid, Launched And Ships Under Construction, Company-wise (2014-15 to 2017-18)

Name of The Company	Year	Keel-laid	Launched	No. of Ships	
				Under Construction at Berth	Under Fitting at Jetty Quay
(1)	(2)	(3)	(4)	(5)	(6)
15. A. C. Roy & Comp. Ltd.	2017-18	4	1	1	-
	2016-17	9	-	-	1
	2015-16	6	-	-	6
	2014-15	6	-	-	6
16. Bristol Boats	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	-	-	-	-
	2014-15	-	-	-	-
17. Tebma Shipyard Ltd***	2017-18	-	-	-	1
	2016-17	-	-	-	1
	2015-16	2	1	1	-
	2014-15	2	1	1	-
18. L&T Shipbuilding Ltd.**	2017-18	-	-	-	3
	2016-17	-	-	-	3
	2015-16	4	3	4	3
	2014-15	4	3	4	3
19. N N Shipbuilders and Engineers Pvt Ltd	2017-18	-	-	2	-
	2016-17	-	-	4	-
	2015-16	-	-	4	-
	2014-15	-	-	4	-
20. Reliance Naval & Engineering Ltd.	2017-18	2	2	2	7
	2016-17	-	-	-	-
	2015-16	-	-	-	-
	2014-15	-	-	-	-
21. Modest Infrastructure Pvt. Ltd.	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	-	1	-	1
	2014-15	2	1	1	4
22. Chidambaranar Shipcare Pvt. Ltd.	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	-	-	-	-
	2014-15	-	-	-	-
23. Sembmarine Kakinada Ltd.***	2017-18	-	-	-	-
	2016-17	-	-	-	-
	2015-16	-	-	-	-
	2014-15	-	-	-	-
24. Neptunus Power Plant Services Pvt. Ltd	2017-18	-	-	-	-
	2016-17	-	-	-	-
25. A.S. Moloobhoy Pvt. Ltd.	2017-18	-	-	-	-
	2016-17	-	-	-	-
26. Shoft Shipyard Pvt. Ltd.	2017-18	1	4	5	-
27. Mandovi Dry Docks	2017-18	2	6	1	-
28. Timblo Drydocks Pvt. Ltd.	2017-18	2	3	2	3
29. Marks Marine Radio Pvt. Ltd.	2017-18	-	-	-	-
30. Vijai Marine Shipyards	2017-18	8	7	1	1
Total (A+B)	2017-18	87	30	75	44
	2016-17	66	8	65	38
	2015-16	105	20	72	47
	2014-15	36	20	78	36

** Data pertains to only of its commercial ships. Data of Defence vessels not included.

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.

@ Ship Building yard has been close down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out now.

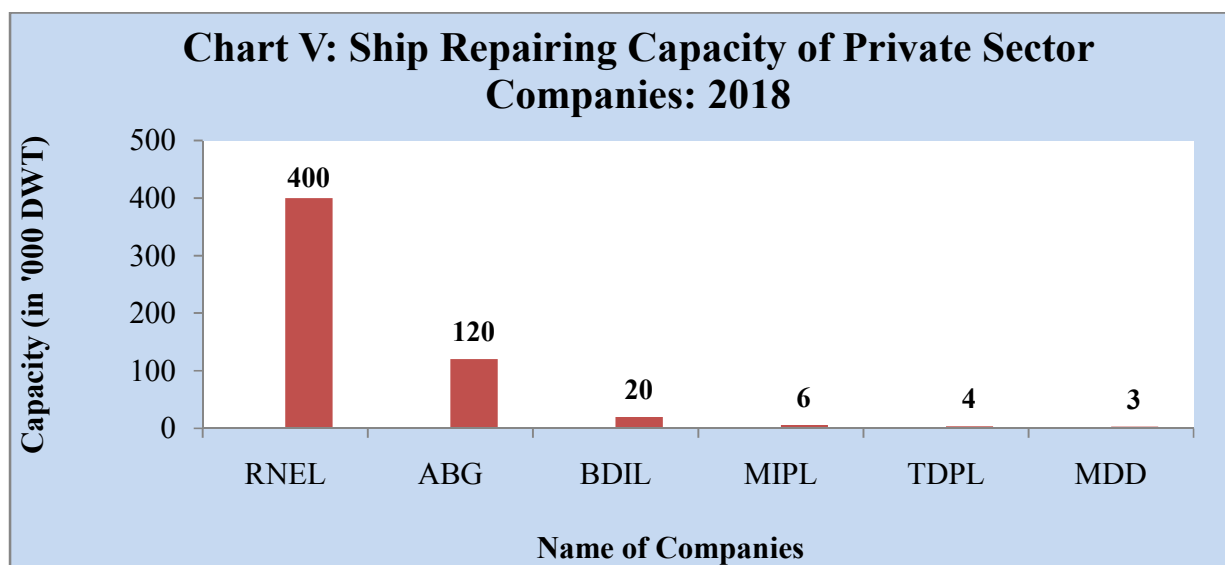
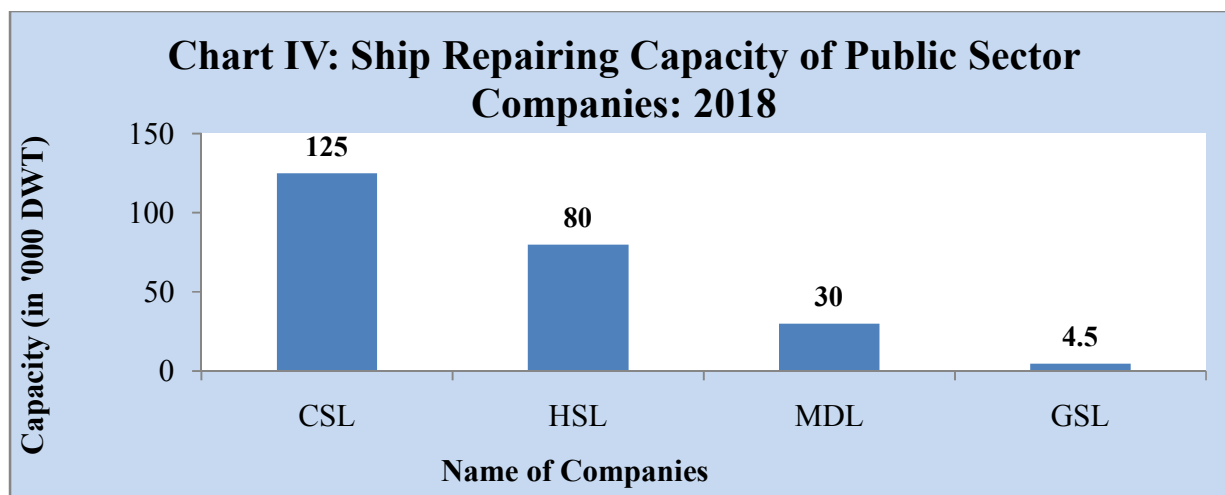
Section-2

INDIA'S SHIP-REPAIRING INDUSTRY

2. INDIA’S SHIP-REPAIRING INDUSTRY

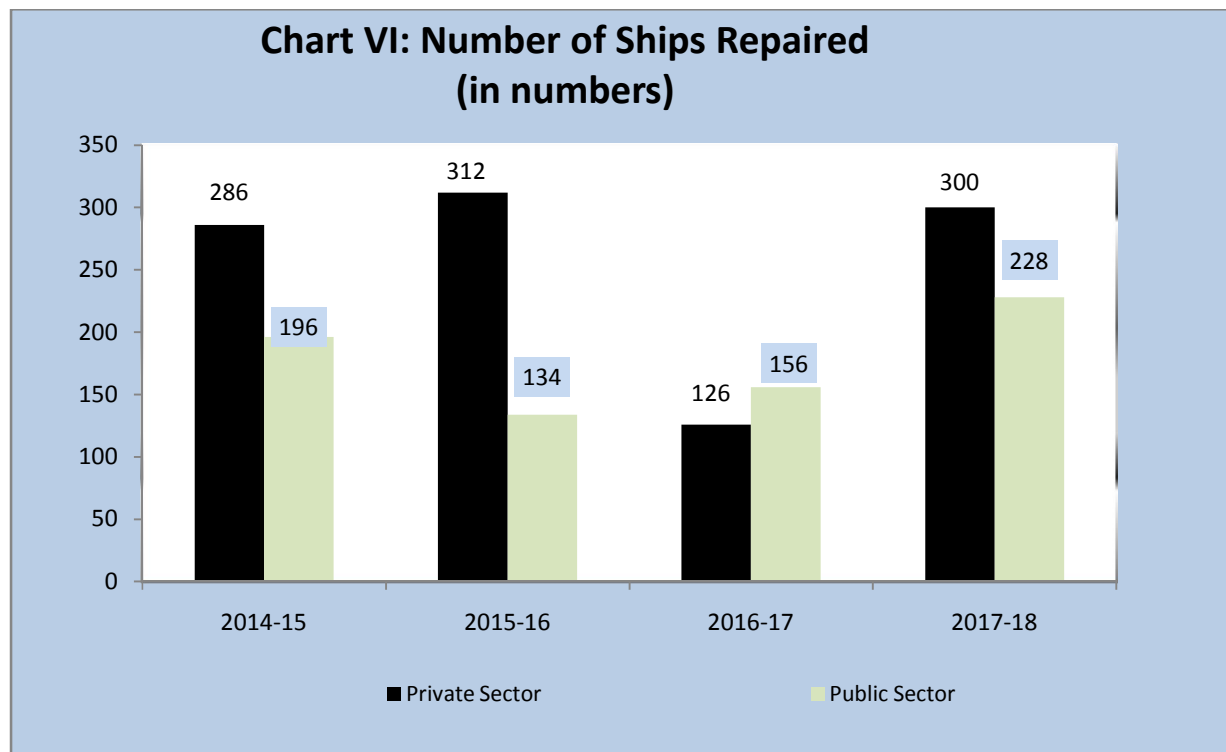
2.1 Ship repair capacity essentially reflects capability in terms of the number of ships repaired and maximum size of ship that can be repaired in terms of DWT.

2.2 Amongst public sector companies, Cochin Shipyard Ltd (CSL) had the highest capacity for ship repairing (125 thousand DWT) followed by Hindustan Shipyard Ltd. (HSL) (80 thousand DWT), Mazgaon Dock Ltd (MDL) (30 thousand DWT) and Goa Shipyard Ltd. (GSL) (4.5 thousand DWT) in 2017-18. In private sector category amongst the reporting companies, Reliance Naval & Engineering Ltd. (RNEL) (400 thousand DWT) had the highest capacity for ship repairing followed by ABG Shipyard Ltd. (ABG) (120 thousand DWT), Bharti Defence and Infrastructure Ltd. (BDIL) (20 thousand DWT) and Modest Infrastructure Pvt. Ltd. (MIPL) (6 thousand DWT). Charts IV & V below depict the ship repairing capacity of major public and private sector shipbuilding yards as on 31st March 2018 and details of the same are given in table 2.1 (Page no. 23-25)



NUMBER OF SHIPS REPAIRED

2.3 In 2017-18 total 528 ships were repaired out of which 300 ships were repaired by private sector shipyards and 228 ships were repaired by public sector shipyards against 282 ships repaired in 2016-17. Chart–VI given below depicts comparative picture of the number of ships repaired by all public and private sector shipbuilding yards during 2014-15 to 2017-18 and details of the same are given in Table 2.2 (Page No. 26)



2.4 In 2017-18 amongst the Public sector, Cochin Shipyard Ltd (CSL) had repaired the highest number of ships (194 ships with earnings of Rs. 623.27 crore) followed by Goa Shipyard Ltd. (20 ships with earnings of Rs. 223.67 crore) and Hindustan Shipyard Ltd. (HSL) (14 ships with earnings of Rs 105.89 crore). In the private sector, amongst the reporting companies Chidambaram Shipcare Pvt. Ltd. had the highest number of ships repaired (174 ships with earnings of Rs 6.80 crore) followed by Dempo Shipbuilding & Engg. Ltd.(DSEL) (32 ships with earnings of Rs 10.26 crore), A.C. Roy & Company Ltd. (ACRCL) (16 ships repaired with an earnings of Rs 0.83 crore), L&T Shipbuilding Ltd (15 ships repaired with an earnings of Rs. 39.88 crore) and Mandovi Drydocks (13 ships repaired with an earnings of Rs. 3.56 crore). Amongst reporting companies, in terms of ships repaired, the private sector and public sector accounted for a share of 56.8% (300 Ships) and 43.2% (228 Ships) respectively in the total ships repaired (528 Ships) during 2017-18. Company wise ship repairing facilities for dry docks and wet docks as on 31st March 2018 is given in Table 2.3 (Page no. 27). Company wise earnings

from the year 2014-15 to 2017-18 along with number of ships repaired by Indian vessels and foreign vessels is given in Table 2.4 (Page No. 30-31).

2.5 Table 5 given below depicts the number of ships repaired and earnings by both public and private ship yards in India during 2016-17 and 2017-18.

Table No. 5 : Number of Ships Repaired and Earnings												
Name of The Company	2016-17						2017-18					
	Indian Vessels		Foreign Vessels		Total Vessels		Indian Vessels		Foreign Vessels		Total Vessels	
	S	E	S	E	S	E	S	E	S	E	S	E
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
A. PUBLIC SECTOR (Total)	156	88727.22	0	0	156	88727.22	228	95282.75	0	0	228	95282.75
1. Alcock Ashdown & Co. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
2. Cochin Shipyard Ltd.	128	54304.93	-	-	128	54304.93	194	62326.64	-	-	194	62326.64
3. Garden Reach Ship-Builders & Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
4. Goa Shipyard Ltd.	15	19339.95	-	-	15	19339.95	20	22367.35	-	-	20	22367.35
5. Hindustan Shipyard Ltd.	12	15052.72	-	-	12	15052.72	14	10588.76	-	-	14	10588.76
6. Hooghly Dock & Port Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
7. Mazagon Dock Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
8. Shalimar Works Ltd.	1	29.62	-	-	1	29.62	-	-	-	-	-	-
B. PRIVATE SECTOR (Total)	119	15756.09	7	885.27	126	16641.36	268	24189.06	32	1026.71	300	25215.77
9. Dempo Ship building & Engg. Ltd.	56	824.00	-	-	56	824.00	32	1026.00	-	-	32	1026.00
10. ABG Shipyard Ltd.	-	368.60	-	-	-	368.60	3	6.00	-	-	3	6.00
11. Bharati Defence & Infrastructure Ltd	-	214.36	-	-	-	214.36	3	174.32	-	-	3	174.32
12. Chowgule Pvt. Ltd	-	-	-	-	-	-	-	-	-	-	-	-
13. Ferromar Shipping Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
14. Vedanta Ltd. @	-	-	-	-	-	-	-	-	-	-	-	-
15. A.C.Roy & Co. Ltd.	24	145.00	-	-	24	145.00	16	83.00	-	-	16	83.00
16. Bristol Boats	5	170.56	-	-	5	170.56	3	14.09	-	-	3	14.09
17. Tebma Shipyard Ltd***	-	-	-	-	-	-	-	-	-	-	-	-
18. L & T Shipbuilding Ltd	14	7731.94	-	-	14	7731.94	15	3988.16	-	-	15	3988.16
19 NN Shipbuilders & Engg. Pvt Ltd	-	-	-	-	-	-	-	-	-	-	-	-
20 Reliance Naval & Engineering Ltd.	-	-	-	-	-	-	2	7315.00	-	-	2	7315.00
21. Modest Infrastructure Pvt. Ltd.	1	82.26	-	-	1	82.26	4	237.61	-	-	4	237.61
22. Chidambaram Shipcare Pvt. Ltd	-	-	-	-	-	-	149	538.09	25	141.44	174	679.53
23. Sembmarine Kakinada Ltd.***	19	6219.37	7	885.27	26	7104.64	19	6219.37	7	885.27	26	7104.64
24 Neptunus PPS Pvt	-	-	-	-	-	-	-	-	-	-	-	-

Ltd***												
25 A.S. Moloobhoy Pvt Ltd	-	-	-	-	-	-	-	3550.81	-	-	-	3550.81
26. Shoft Shipyard Pvt. Ltd.							3	654.81	-	-	3	654.81
27. Mandovi Drydocks							13	356.24	-	-	13	356.24
28. Timblo Drydocks Pvt. Ltd.							1	-	-	-	1	-
29. Marks Marine Radio Pvt. Ltd.							-	-	-	-	-	-
30. Vijai Marine Shipyards							5	25.56	-	-	5	25.56
Grand Total (A + B)	275	104483.31	7	885.27	282	105368.58	496	119471.81	32	1026.71	528	120498.52

Note (1): S : No. of Ships ; E : Earnings in Rs. Lakh;

Note (2): Companies from Sl. No. 26 to 30 are new entry in list. Hence information for the same is not given for 2016-17.

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyards and Neptunus Power Plant Services i.e. 2016-17.

@ Ship Building yard has been closed down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out now.

SHIP REPAIR FACILITIES AVAILABLE AT MAJOR PORTS

2.6 Apart from shipbuilding yards, ship repair facilities are also available at major ports. Data provided by different major ports on dry docks, dry dock hire charges and equipments available for ship repairing have been compiled and presented in three different tables (Table 2.5, Table 2.6 & Table 2.7 (Page Nos. 32-35). Company wise ship repairing facilities are given in Table 2.3 (a) (Page No. 28-29)

2.7 Available data on Ship repair facilities reveal that Kolkata Port has a maximum number of dry docks (5), Mumbai, Visakhapatnam, Deendayal Port Trust/Kandla, Paradip and V.O. Chidambaranar ports have 1 Dry Dock each. The remaining major Ports do not have any ship repairing facilities. With regard to cranes availability and capacity, Kolkata port has five cranes followed by Mumbai port, Deendayal Port Trust/Kandla Port, Visakhapatnam Port and Paradip Port (1 each).

DRY DOCK HIRE CHARGES

2.8 Dry dock hire charges vary from port to port depending upon a number of factors, which include the size and type of vessels and time spent at dock. The charges are different for different types of vessels (foreign going and coastal). The charges also vary for inner harbour and fishing harbour. At Kolkata port, the charges are different for different dry docks.

Table No. 2.1

**Company-wise Ship Repairing Capacity
(As on 31st March, 2018)**

Sl.No.	Name of the company	Type of Vessels/Ships	Ship repair capacity/Maximum size capacity			
			Length	Width	Draft	DWT
			(Mts.)	(Mts.)	(Mts)	(in thousand)
1	2	3	4	5	6	7
A.	PUBLIC SECTOR					
1	Alcock Ashdown (Gujarat) Ltd.	-	-	-	-	-
2	Cochin Shipyard Ltd.	All types of vessels	270.0	40.0	7.0	125.0
3	Garden Reach Shipbuilders and Engineers Ltd.	01 No. Fleet Tanker or Frigate or Corvette or Landing Ship Tank (Large) at Dry Dock – 1 (Old) of Main Unit (Dry Dock's Length:- 160 mts., Width:- 25 mts.& Draft:- 8 mts. above KODS*) 01 No. Fleet Tanker or Frigate or Corvette or Landing Ship Tank (Large) at Dry Dock – 2 (New) of Main Unit (Dry Dock's Length:- 180 mts., Width:- 29 mts.& Draft:- 12mts. which is 02 mts. below KODS* and 10 mts. above KODS*) 03 Nos. each of Fast Attack Craft (FAC) or Inshore Patrol Vessel (IPV) or Fast Patrol Vessel (FPV) at Dry Dock – 2 of RBD Unit (Dry Dock's Length:- 158mts., Width:- 18 mts.& Draft:- 8 mts. above KODS*) 01 No. Fleet Tanker or Frigate or Corvette or Landing Ship Tank (Large) at Finger Jetty – 1 of FOJ Unit (Finger Jetty's Length:- 184.5 mts., Width:- 11.5 mts.& Draft:- 7.0 mts. minimum above KODS*) 01 No. Fleet Tanker or Frigate or Corvette or Landing Ship Tank (Large) at Finger Jetty – 2 of FOJ Unit (Finger Jetty's Length:- 184.5 mts., Width:- 11.5mts.& Draft:- 7.0 mts. minimum above KODS*) 02 No. each of Fleet Tanker or Frigate or Corvette or Landing Ship Tank (Large) at Naval Jetty of FOJ Unit (Naval Jetty's Length:- 229 mts., Width:- 10 mts.& Draft:- 8.0 mts. minimum above KODS*) 01 Nos. each of Offshore Patrol Vessel (OPV) or Landing Craft Utility (LCU). Alternatively, 02 Nos. each Fast Attack Craft (FAC) or Inshore Patrol Vessel (IPV) or Fast Patrol Vessel (FPV) at Wet Basin of Main Unit (Wet Basin's Length:- 109mts., Width:- 23mts.Draft:- 8.0 mts., with Sill Height:- 1.83 mts. above KODS*) 01 No. each of Offshore Patrol Vessel (OPV) or Landing Craft Utility (LCU). Alternatively, 02 Nos. each of Fast Attack Craft (FAC) or Inshore Patrol Vessel (IPV) or Fast Patrol Vessel (FPV) at Western Jetty of Main Unit (Western Jetty's Length:- 100mts. with Pontoon of Length:- 25mts., Width:- 9mts.,and Height:- 4.5 mts.,) 01 No. each of Offshore Patrol Vessel (OPV) or Landing Craft Utility (LCU). Alternatively, 02 Nos. each of Fast Attack Craft (FAC) or Inshore Patrol Vessel (IPV) or Fast Patrol Vessel (FPV) at Canteen Jetty of Main Unit (Canteen Jetty's Length:- 100mts., with Pontoon of Length:- 13.5mts., Width:- 4.5mts.,and Height:- 1.0 mts.,) 01 No. each of Offshore Patrol Vessel (OPV) or Landing Craft Utility (LCU). Alternatively, 02 Nos. each of Fast Attack Craft (FAC) or Inshore Patrol Vessel (IPV) or Fast Patrol Vessel (FPV) at Hooghly Jetty of RBD Unit(Hooghly Jetty's Length:- 88mts., with Pontoon of Length:- 25mts., Width:- 9.0mts.,and Height:- 1.9 mts.,) 01 No. each of Offshore Patrol Vessel (OPV) or Landing Craft Utility (LCU). Alternatively, 02 Nos. each of Fast Attack Craft (FAC) or Inshore Patrol Vessel (IPV) or Fast Patrol Vessel (FPV) at Ganga Jetty of Main Unit(Ganga Jetty's Length:- 75 mts., with Pontoon of Length:- 25mts., Width:- 9.0mts.,and Height:- 1.9 mts.,)	< 160	24.0	4.0	
			< 180	< 29	4.0	
			≤50	≤8	4.0	
			180.0	24.0	4.0	
			180.0	24.0	4.0	
			180.0	24.0	4.0	
			80.0	11.0	4.0	
			80.0	11.0	4.0	
			80.0	11.0	4.0	
			80.0	11.0	4.0	
4	Goa Shipyard Ltd.	Advanced Offshore Patrol Vessels, Fast Patrol Vessels, Fast Attack Crafts, Survey Vessels, Sail Training Ships, Missile Crafts, Landing Crafts, Tugs, Dredgers, Launches, Passenger Ferries, Fishing Vessels, GRP boats and other medium sized sophisticated vessels	130.0	20.0	5.0	4.5

Table No. 2.1 contd.

**Company-wise Ship Repairing Capacity
(As on 31st March, 2018)**

Sl.No.	Name of the company	Type of Vessels/Ships	Ship repair capacity/Maximum size capacity			
			Length	Width	Draft	DWT
			(Mts.)	(Mts.)	(Mts)	(in thousand)
1	2	3	4	5	6	7
5	Hindustan Shipyard Ltd.	Cargo Vessels/Passenger Vessel/ Tugs/OPV/Dredgers/Naval Ships/ Oil Tankers/Fishing Trawlers, Floating Docks, Submarine Retrofit.	220.0	32.2	18.0	80.0
6	Hooghly Dock & Port Engineer Ltd.	Indian Coast Guard	45.0	12.0	4.0	-
		Inland Vessel	65.0	12.5	4.0	-
		Tanker/Cargo	65.0	12.3	4.0	-
7	Mazagon Dock Ltd. (&)	Destroyers/ Frigates	200	18	5.3	12
		Merchant Ships like Bulk Carriers	200	18	5.3	30
8	Shalimar Works Ltd.	Survey Vessels	55.0	11.0	3.0	0.07
		Tug/Launch	10.0	4.0	1.5	0.015
B.	PRIVATE SECTOR (Contd.)					
9	Dempo Shipbuilding and Engineering Ltd.	a) MBC - Sea going, RSV, container.	80.0	16.0	2.2	3.0
		b) Barges - Sea Going, RSV, Containers, Tankers, MPV, Crane Barges, Passengers, Ferries, Split Barges, Ro-Ro Vessels, Spud Pontoon, Jackup Barges	80.0	16.0	2.2	2.5
		c) Tugs - Sea Going, IV, RSV, Dredgers, AHTS	80.0	16.0	2.2	-
10	ABG Shipyard Ltd.	Anchor Handling Tugs & Supply Vessels, Tugs, Offshore Support Vessels, Bulk Carriers, Tankers, Floating Cranes, Special Purpose Vessels.	150.0	22.0	8.5	20.0
		Handymax & Supramax bulk carriers, Anchor Handling Tugs & Supply Vessels, Offshore Support Vessels, Tankers, Special Purpose Vessels, Platform supply vessels.	231.0	47.0	13	120.0
11	Bharati Defence & Infrastructure Ltd.	All types of ships upto 155.0 mtrs in length presently including Cargo vessels, (Dry & bulk), Tankers, Passenger vessels/Ferries, Off shore petrol vessels, off-shore support/supply vessels, AHTS,Tugs, Tankers,Dredgers, Ro-Ro vessels etc.	155.0	25.0	5.5	20.0
12	Chowgule & Company Ltd.	#	#	#	#	#
13	Ferromar Shipping Pvt. Ltd.	Barges & Other vessels for Goa operations	70.0	13.0	1.2	2.0
14	A.C. Roy & Co. Ltd.	a) launch	25.0	7.0	2.0	0.03
		b) barge	60.0	16.0	3.5	2.00
		c)Tug	20.0	6.0	2.0	0.03
15	Bristol Boats	Various FRP crafts, life Boats and Rescue Boats 10 to 20 Nos.	20.0	5.0	4.0	0.05
16	L&T Shipbuilding Ltd	Any type of Commercial/ Defence Vessels upto a length of 200 mtr. and beam of 46 mtr.				
17	Vedanta Ltd. @	-	-	-	-	-
18	Tebma Shipyard Ltd.***		-	-	-	-

Table No. 2.1 (Contd.)

**Company-wise Ship Repairing Capacity
(As on 31st March, 2018)**

Sl.No.	Name of the company	Type of Vessels/Ships	Ship repair capacity/Maximum size capacity			
			Length	Width	Draft	DWT
			(Mts.)	(Mts.)	(Mts)	(in thousand)
1	2	3	4	5	6	7
19	N N Shipbuilders and Engineers Pvt Ltd	a) Tugs/Pomntoons	30.0	10.0	2.3	-
		b) Small Ship	-	12.0	2.0	-
		c) Barges	30.0	-	2.3	-
20	Reliance Naval & Engineering Ltd.	All types of sea going vessels and crafts	380.0	58.0	10	400.0
21	Modest Infrastructure Pvt. Ltd.	a) General Cargo	99.0	18.0	4.5	6.0
		b) Tug	33.0	11.5	4.1	Bollard Pull - 65 T
		c) Survey Vessel	42.18	8.53	3.96	-
		d) OSV	59.2	15.0	2.5	-
		e) Cement Carrier	97.0	17.0	4.2	4.0
		f) Product Tanker	75.0	13.0	5.6	3.3
		g) Dry Bulk Carrier	82.0	14.0	4.2	4.2
		h) Container Carrier	67.2	12.8	3.2	94 TEU
22	Chidambarm Shipcare Pvt. Ltd.	-	-	-	-	
23	Sembmarine Kakinada Ltd.***	All types of vessels with a docking displacement of Max. 15000 T	200.0	32.2	6.5 (Docking Draft)	54.0
24	Neptunus Power Plant Services Pvt. Ltd***	-	-	-	-	
25	A.S. Moloobhoy Pvt. Ltd.	-	-	-	-	
26	Shoft Shipyard Pvt. Ltd.	Cargo Ships	70	15	3.5	2
		Passenger Ships	90	15	3.5	1.5
		Barges	70	14	2.5	1.5
		Tugs	40	10	3.5	0.06
27	Mandovi Drydocks	Passenger Vessels	32.5	9	2	-
		Barge	75	16	2	3
		Tug	23.5	7.8	2	-
28	Timblo Drydocks Pvt. Ltd.	Cargo Vessels	100	16	4.5	4
		Naval Ships of Various Class/ Types	100	15	4	1.5
		GRP Boats / Barges	100	16	-	-
29	Marks Marine Radio Pvt. Lt.	-	-	-	-	
30	Vijai Marine Shipyards	Tankers	75	14.5	2.2	2.5
		Cargo	75	14.5	2.2	2.5
		Passangers	75	14.5	2.2	0.2

Does not have Ship repair facilities in Goa.

(&) Presently MDL is not carrying out any ship-repairing Job.

@ Ship Building yard has been close down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out now.

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.

Table No. 2.2 Ship Repairing Capacity-By Company and Maximum Size (2015-2018)

(DWT in thousand)

Name of The Company	As on end 31st March			
	2015	2016	2017	2018
1	2	3	4	5
A. PUBLIC SECTOR				
1. Alcock Ashdown (Gujarat) Ltd.	-	-	-	-
2. Cochin Shipyard Ltd.	125.0	125.0	125.0	125.0
3. Garden Reach Shipbuilders & Engineers Ltd.	9.0	9.0	26.0	-
4. Goa Shipyard Ltd.	10.0	4.5	4.5	4.5
5. Hindustan Shipyard Ltd.	80.0	80.0	80.0	80.0
6. Hooghly Dock & Port Enginers Ltd.	-	-	-	-
7. Mazagon Dock Ltd.	-	-	-	30.0
8. Shalimar Works Ltd.	0.7	0.7	0.07	0.07
B. PRIVATE SECTOR				
9. Dempo Shipbuilding & Engineering Ltd.	-	-	-	3.0
10. ABG Shipyard Ltd.	20.0	20.0	120.0	120.0
11. Bharati Defence & Infrastructure Ltd	20.0	20.0	20.0	20.0
12. Chowgule & Co. Ltd. #	-	-	-	-
13. Ferromar Shipping Pvt. Ltd.	2.0	2.0	2.0	2.0
14. Vedanta Ltd. @	-	-	2.4	NIL
15. A.C Roy & Comp. Ltd.	2.0	2.0	2.0	2.0
16. Bristol Boats	0.05	0.05	0.05	0.05
17. Tebma Shipyards Ltd***	-	-	-	-
18. L&T Shipbuilding Ltd	30.0	30.0	*	*
19. N N Shipbuilders and Engineers Pvt Ltd	-	-	-	-
20. Reliance Naval & Engineering Ltd.	400.0	400.0	400.0	400.0
21. Modest Infrastructure Pvt. Ltd.	6.0	6.0	6.0	6.0
22. Chidambaram Shipcare Pvt. Ltd.	-	-	-	-
23. Sembmarine Kakinada Ltd.***	54.0	54.0	54.0	54.0
24. Neptunus Power Plant Services Pvt. Ltd	-	-	-	-
25. A.S. Moloobhoy Pvt. Ltd.	-	-	-	-
26. Shoft Shipyard Pvt. Ltd.	-	-	-	2.00
27. Mandovi Drydocks	-	-	-	3.00
28. Timblo Drydocks Pvt. Ltd.	-	-	-	4.00
29. Marks Marine Radio Pvt. Ltd.	-	-	-	-
30. Vijai Marine Shipyards	-	-	-	2.50

* Any type of Commercial/ Defence Vessels upto a length of 200 mtr. And beam of 46 mtr.

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.

@ Ship Building yard has been close down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out now.

Does not have Ship repair facilities in Goa.

Table No. 2.3

Ship Repairing Facilities-Company-Wise for Dry Docks and Wet Docks (As on 31st March, 2018)

Sl. No.	Name of Company	Dry Dock Owned Capacity					Wet Docks/Basin Owned Capacity					
		No.	Length (Mtrs.)	Width (Mtrs.)	Draft (Mtrs.)	DWT (in thousand tons)	No.	Length (Mtrs.)	Width (Mtrs.)	Draft (Mtrs.)	DWT (in thousand tons)	
												(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
(1)	(2)											
A. PUBLIC SECTOR												
1	Alcock Ashdown (Gujarat) Ltd.	-	-	-	-	-	-	-	-	-	-	-
2	Cochin Shipyard Ltd.	1	270.0	45.0	12.0	125.0	-	-	-	-	-	-
		1	255.0	43.0	9.0	110.0	-	-	-	-	-	-
3	Garden Reach Ship-builders & Engineers Ltd.	1	160.0	25.0	8.0	-	1	109.0	23.0	8.0	-	-
		1	180.0	29.0	12.0	-	-	-	-	-	-	-
4	Goa Shipyard Ltd.	1	158.0	18.0	8.0	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
5	Hindustan Shipyard Ltd.	1	244.0	38.0	11.5	80.0	1	226.0	73.0	10.0	50.0	-
		1	168.0	73.0	10.0	-	-	-	-	-	30.0	-
6	Hooghly Dock & Port Engineers Ltd.	1	94.0	13.4	8.6	1.0	-	-	-	-	-	-
7	Mazagon Dock Ltd.	Ship Repair facilities closed.										
8	Shalimar Works Ltd.	-	-	-	-	-	-	-	-	-	-	-
B. PRIVATE SECTOR												
9	Dempo Shipbuilding and Engineering Ltd.	2	90.0	18.0	2.2	3.0	-	-	-	-	-	-
10	ABG Shipyard Ltd.	1	155.0	30.0	7.5	20.0	-	-	-	-	-	-
		1	125.0	22.5	5.6	15.0	-	-	-	-	-	-
		1	231.0	47.0	13.0	120.0	-	-	-	-	-	-
		-	125.0	22.5	5.6	-	-	-	-	-	-	-
11	Bharati Defence & Infrastructure Ltd	1	120.0	18.0	6.0	15.0	1	125.0	20.0	5.5	10.0	-
		1	180.0	40.0	6.0	50.0	-	-	-	-	-	-
12	Chowgule & Co. Ltd.	-	-	-	-	-	-	-	-	-	-	-
13	Ferromar Shipping Pvt. Ltd.	-	-	-	-	-	3	70.0	13.0	3.2	2.2	-
14	Vedanta Ltd.	Shipbuilding Yard closed from 2016 onwards. No shipbuilding and Ship repairing carried out.										
15	A.C. Roy & Co. Ltd.	-	-	-	-	-	2	50.0	18.0	3.0	2.0	-
16	Bristol Boats	1	25.0	8.0	1.5	0.05	-	-	-	-	-	-
17	Tebma Shipyard Ltd. ***	-	-	-	-	-	-	-	-	-	-	-
18	L&T Shipbuilding Ltd	6	115-210	open	-	-	4	200-260	open	10.0	-	-
19	N N Shipbuilders and Engineers Pvt Ltd	-	-	-	-	-	-	-	-	-	-	-
20	Reliance Naval and Engineering Ltd.	1	662.0	65.0	10.0	400.0	1	344.0	50.0	6.0	400.0	-
21	Modest Infrastructure Pvt. Ltd.	2	95.0	16.0	3.5	3.5	-	-	-	-	-	-
		-	120.0	21.0	4.5	6.0	-	-	-	-	-	-
22	Chidambaram Shipcare Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-
23	Sembmarine Kakinada Ltd.***	1	200.0	32.2	6.5	54.0	635 m length wet berth available with depth of 12 m					
24	Neptunus Power Plant Services Pvt. ltd.***	-	-	-	-	-	-	-	-	-	-	-
25	A.S. Moloobhoy Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-
26	Shoft Shipyard Pvt. Ltd.	-	-	-	-	-	-	The outfitting jetty/Berth is located between slipway 1&2 as well as slipway 2&3. The vessels are kept afloat all the time with berthing pontoons rigidly connected to the shore. Vessels of length upto 100 mts. With draft upto 5.5 mts can be kept afloat even during lowest of low tide. The vessels can also be berth side by side. the length is about 540 mts.				
27	Mandovi Drydocks	1	84	16	2.5	2.1	1	250	-	-	-	-
28	Timblo Drydocks Pvt. Lt.	-	-	-	-	-	-	-	-	-	-	-
29	Marks Marine Radio Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-
30	Vijai Marine Shipyards	1	75	16	2.2	2.9	-	-	-	-	-	-

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.

Table No. 2.3a

**Company-wise Ship Repairing Facilities
(As On 31st March, 2018)**

Sl. No.	Name of Company	Other repairing facilities					
		Item	Nos.	Capacity			
				Length (Mtrs.)	Width (Mtrs.)	Draft (Mtrs.)	DWT (in thousand tons)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
A.	<u>PUBLIC SECTOR</u>						
1	Alcock Ashdown (Gujarat) Ltd.	-	-	-	-	-	-
2	Cochin Shipyard Ltd.	-	-	-	-	-	-
3	Garden Reach Ship-Building and Engineers Ltd.	Naval Jetty At FOJ unit	1	229.0	10.0	8.0	-
		Finger Jetty-1 at FOJ unit	1	184.5	11.5	7	-
		Finger Jetty-2 at FOJ unit	1	184.5	11.5	7	-
		River Jetty-Ganga	1	25.0	9.0	1.9	-
		River Jetty-Hoogly	1	25.0	9.0	1.9	-
		River Jetty-Canteen	1	13.5	4.5	1.0	-
		River Jetty-Bargepuri	1	12.5	4.5	1.0	-
		River Jetty-Dolphin 1	1	25.0	9.0	4.5	-
		River Jetty-West Jetty	1	25.0	9.0	4.5	-
4	Goa Shipyard Ltd.	Repair Berth-1	1	130.0	29.5	-	-
		Repair Berth-2	1	130.0	30	-	-
		Construction Berth 3	1	136.0	42.5	-	-
		Construction Berth 4	1	136.0	44.0	-	-
		Shiplift	1	120.0	25.0	-	6.0
		New Jetty	1	250.0	16.0	5.5	-
		Outfit & Commissioning Jetty	1	105.0	17.0	5.5	-
		Berthing Jetty alongside the construction berth 3	1	136.0	-	-	-
		Ship Assembly Workshop-1 (SAW-1)	1	126.0	35.0	36	-
		Ship Assembly Workshop-2 (SAW-2)	1	126.0	35.0	36	-
		New construction Bay	1	96.5	26.0	14.1	-
						1.0	
5	Hindustan Shipyard Ltd.	Dolphin Jetty	1	150.0	-	8.0	-
6	Hooghly Dock & Port Engineers Ltd.	Jetty	3	45.0-36.0	-	-	At Salkia works-One & at Nazir gunge works-Two
7	Mazagaon Dock Ltd.	Ship Repair facilities closed.					
8	Shalimar Works Ltd.	Kuccha Basin	2	-	-	-	-
		Fitting out jetty	1	-	-	-	-

Table No. 2.3a(Contd...)

**Company-wise Ship Repairing Facilities
(As On 31st March, 2018)**

Sl. No.	Name of Company	Other repairing facilities					
		Item	Nos.	Capacity			
				Length (Mtrs.)	Width (Mtrs.)	Draft (Mtrs.)	DWT (in thousand tons)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
B.	<u>PRIVATE SECTOR</u>						
9	Dempo Shipbuilding and Engineering Ltd.	Slipway Jetty	1 3	30.0 70.0	10 -	1 -	0.5 -
10	ABG Shipyard Ltd.	Slipway Slipway	1 1	110.0 220.0	35.0 25.0	- -	- -
11	Bharati Defence & Infrastructure Ltd	a) Slipway with Haul up facility	1	125.0	20.0	5.5	10.0
		b) Berth	1	120.0	20.0	5.5	10.0
		c) Submersible ship/platform	1	112.0	32.0	5.0	15.0
12	Chowgule PVT Ltd	-	-	-	-	-	-
13	Ferromar Shipping Pvt. Ltd.	-	-	-	-	-	-
14	Vedanta Ltd.	Shipbuilding Yard closed from 2016 onwards. No shipbuilding and Ship repairing carried out.					
15	A.C. Roy & Company Ltd.	-	-	-	-	-	-
16	Bristol Boats	-	-	-	-	-	-
17	Tebma Shipyard Ltd.	-	-	-	-	-	-
18	L&T Shipbuilding Ltd	Others (Specify)	1	201.0	46.0	8.0	-
19	N N Shipbuilders and Engineers Pvt Ltd	Slipways	3	70.0	7.0	2.3	-
20	Reliance Naval and Engineering Ltd.	Fit-out Berth	1	175.0	16.9	6	-
		Offshore Yard	1	750.0	265.0	-	-
21	Modest Infrastructure Pvt. Ltd.	-	-	-	-	-	-
22	Chidambaram Shipcare Pvt. Ltd.	-	-	-	-	-	-
23	Sembmarine Kakinada Ltd.***	1 No. Dolphin with bollard for carrying out bollard pull test for Anchor handling vessels up to 150 T					
24	Neptunus Power Plant Services Pvt. Ltd***	-	-	-	-	-	-
25	A.S. Moloobhoy Pvt. Ltd.	-	-	-	-	-	-
26	Shoft Shipyard Pvt. Ltd.	Other (specific)- Slipway	3	90.00	18.00	2.50	-
				120.00	22.00	4.00	-
				150.00	36.00	4.00	-
27	Mandovi Drydocks	-	-	-	-	-	-
28	Timblo Drydocks Pvt. Ltd.	Slipways	2.00	210 & 220	16 & 22	3.5 & 3.5	1.00
29	Marks Marine Radio Pvt. Ltd.	-	-	-	-	-	-
30	Vijai Marine Shipyards	Slipways	1.00	118.00	18.00	2.80	2.50

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.

Table No. 2.4

No. Of Ships Repaired And Earnings, Company-wise - (2014-15 to 2017-18)

(Rs. in Lakhs)

Name of The Company	Year	Indian Vessels		Foreign Vessels		Total	
		No.	Earnings	No.	Earnings	No.	Earnings
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
A. PUBLIC SECTOR(Total)	2017-18	228	95282.75	0	0	228	95282.75
	2016-17	156	88727.22	0	0	156	88727.22
	2015-16	122	61182.16	12	6636	134	67817.70
	2014-15	195	31544.20	1	2780	196	34323.74
1. Alcock Ashdown (Gujarat) Ltd.	2017-18	-	-	-	-	0	0.00
	2016-17	-	-	-	-	0	0.00
	2015-16	-	-	-	-	0	0.00
	2014-15	-	-	-	-	0	0.00
2. Cochin Shipyard Ltd.	2017-18	194	62326.64	-	-	194	62326.64
	2016-17	128	54304.93	-	-	128	54304.93
	2015-16	89	35552.00	-	-	89	35552.00
	2014-15	158	19595.00	-	-	158	19595.00
3. Garden Reach Ship-builders and Engineers Ltd.	2017-18	-	-	-	-	0	0.00
	2016-17	-	-	-	-	0	0.00
	2015-16	-	-	-	-	0	0.00
	2014-15	-	-	-	-	0	0.00
4. Goa Shipyard Ltd.	2017-18	20	22367.35	-	-	20	22367.35
	2016-17	15	19339.95	-	-	15	19339.95
	2015-16	14	10459.43	12	6635.54	26	17094.97
	2014-15	19	7616.69	-	2679.70	19	10296.39
5. Hindustan Shipyard Ltd.	2017-18	14	10588.76	-	-	14	10588.76
	2016-17	12	15052.72	-	-	12	15052.72
	2015-16	16	15042.89	-	-	16	15042.89
	2014-15	15	4204.67	1	99.84	16	4304.51
6. Hooghly Dock & Port Engineers Ltd.	2017-18	-	-	-	-	0	0.00
	2016-17	-	-	-	-	0	0.00
	2015-16	-	-	-	-	0	0.00
	2014-15	-	-	-	-	0	0.00
7. Mazagon Dock Ltd.	2017-18	-	-	-	-	0	0.00
	2016-17	-	-	-	-	0	0.00
	2015-16	-	-	-	-	0	0.00
	2014-15	-	-	-	-	0	0.00
8. Shalimar Works Ltd.	2017-18	0	0.00	-	-	0	0.00
	2016-17	1	29.62	-	-	1	29.62
	2015-16	3	127.84	-	-	3	127.84
	2014-15	3	127.84	-	-	3	127.84
B. PRIVATE SECTOR (Total)	2017-18	268	24189.06	32	1026.71	300	25215.77
	2016-17	119	15756.09	7	885.27	126	16641.36
	2015-16	257	13668.97	55	2422.87	312	16091.84
	2014-15	231	13344.85	55	2761.87	286	12046.68
9. Dempo Shipbuilding & Engg. Ltd.	2017-18	32	1026.00	-	-	32	1026.00
	2016-17	56	824.00	-	-	56	824.00
	2015-16	73	1218.62	-	-	73	1218.62
	2014-15	21	803.00	-	-	21	803.00
10. ABG Shipyard Ltd.	2017-18	3	6.00	-	-	3	6.00
	2016-17	-	368.60	-	-	0	368.60
	2015-16	-	700.50	-	-	0	700.50
	2014-15	-	1864.00	-	-	0	1111.00
11. Bharati Defence & Infrastructure Ltd	2017-18	3	174.32	-	-	3	174.32
	2016-17	-	214.36	-	-	0	214.36
	2015-16	-	1019.92	-	-	0	1019.92
	2014-15	-	623.47	-	-	0	633.96

Table No. 2.4 (Contd...)

No. Of Ships Repaired And Earnings, Company-wise - (2014-15 to 2017-18)

(Rs.in Lakhs)

Name of The Company	Year	Indian Vessels		Foreign Vessels		Total	
		No.	Earnings	No.	Earnings	No.	Earnings
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
12. Chowgule Pvt. Ltd.	2017-18	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-
13. Ferromar Shipping Pvt. Ltd.	2017-18	-	-	-	-	0	0.00
	2016-17	-	-	-	-	0	0.00
14. Vedanta Ltd. @	2015-16	-	-	-	-	0	0.00
	2014-15	-	-	-	-	0	0.00
15. A.C.Roy & Co. Ltd.	2017-18	-	-	-	-	0	0.00
	2016-17	-	-	-	-	0	0.00
16. Bristol Boats	2015-16	20	963.52	-	-	20	-
	2014-15	16	83.00	-	-	16	83.00
17. Tebma Shipyard Ltd***	2017-18	24	145.00	-	-	24	145.00
	2016-17	26	155.00	-	-	26	155.00
18. L&T Shipbuilding Ltd	2015-16	26	155.00	-	-	26	155.00
	2014-15	3	14.09	-	-	3	14.09
19. N N Shipbuilders and Engineers Pvt. Ltd.	2017-18	5	170.56	-	-	5	170.56
	2016-17	1	4.75	-	-	1	4.75
20. Reliance Naval & Engineering Ltd.	2015-16	1	3.70	-	-	1	3.70
	2014-15	1	3.70	-	-	1	3.70
21. Modest Infrastructure Pvt. Ltd.	2017-18	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-
22. Chidambaram Shipcare Pvt. Ltd.	2017-18	15	3988.16	-	-	15	3988.16
	2016-17	14	7731.94	-	-	14	7731.94
23. Sembmarine Kakinada Ltd. ***	2015-16	23	3149.44	8	1332.57	31	4482.01
	2014-15	23	3149.44	8	1332.57	31	2128.00
24. Neptunus Power Plant Services Pvt. L	2017-18	-	-	-	-	-	-
	2016-17	-	-	-	-	-	-
25. A.S. Moloobhoy Pvt. Ltd.	2017-18	2	7315.00	-	-	2	7315.00
	2016-17	-	-	-	-	-	-
26. Shoft Shipyard Pvt. Ltd.	2017-18	4	237.61	-	-	4	237.61
	2016-17	1	82.26	-	-	1	82.26
27. Mandovi Drydocks	2015-16	-	-	-	-	0	0.00
	2014-15	1	48.92	-	-	1	48.92
28. Timblo Drydocks Pvt. Ltd.	2017-18	149	538.09	25	141.44	174	679.53
	2016-17	-	-	-	-	-	-
29. Marks Marine Radio Pvt. Ltd.	2015-16	115	1201.37	40	205.03	155	1406.40
	2014-15	115	1201.37	40	205.03	155	1406.40
30. Vijai Marine Shipyards	2017-18	19	6219.37	7	885.27	26	7104.64
	2016-17	19	6219.37	7	885.27	26	7104.64
C. Grand Total (A + B)	2015-16	19	6219.37	7	885.27	26	7104.64
	2014-15	24	4532.43	7	1224.27	31	5756.70
C. Grand Total (A + B)	2017-18	-	-	-	-	0	0.00
	2016-17	-	-	-	-	0	0.00
C. Grand Total (A + B)	2017-18	-	3550.81	-	-	0	3550.81
	2016-17	-	-	-	-	0	0.00
C. Grand Total (A + B)	2017-18	3	654.81	-	-	3	654.81
	2016-17	13	356.24	-	-	13	356.24
C. Grand Total (A + B)	2017-18	1	-	-	-	1	0.00
	2016-17	-	-	-	-	0	0.00
C. Grand Total (A + B)	2017-18	5	25.56	-	-	5	25.56
	2017-18	496	119471.81	32	1026.71	528	120498.52
C. Grand Total (A + B)	2016-17	275	104483.31	7	885.27	282	105368.58
	2015-16	379	74851.13	67	9058.41	446	83909.54
C. Grand Total (A + B)	2014-15	426	44889.05	56	5541.41	482	46370.42

@ Ship Building yard has been close down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out now.

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.

Table No. 2.5
Dry Dock & Ship Repairing Facilities at Major Ports 2017-18

Name of Ports	No. of Dry Docks and their Size	No. of Work-shops	No. of Cranes & Capacity	No. of Vessels Repaired during 2017-18	No. of days at Dry Dock Occupancy during 2017-18
1	2	3	4	5	6
Kandla/ Deendayal Port Trust	<u>One</u> Length : 95mtrs. Width : 20 mtrs. Depth : 5.5 mtrs.	1. One owned by Port. 2. Full fledge private workshops are also available	<u>One</u> 5 MT	38	349
Mumbai	<u>One</u> Length : 1000 ft. Breadth : 102 ft. Depth : 44 ft.	-	<u>One</u> 20 T crane at west dwarf (derated to 7.5 T) [under repair]	39	309
Chennai	No dry dock facilities available in the Port. However, Slipway is available to carry out under water repairs to the Trust's floating crafts.				
Kamarajar	The dry dock facility is not available at Port.				
NMPT	The infrastructure and dry dock facility are not available at Port.				
Mormugao Port Trust	The dry dock facility is not available at Port.				
Haldia Dock Complex	The dry dock facility is not available at Port.				
JNPT	The port doesn't have the facility for ship buildig and ship repairing.				
Cochin	Cochin Port Trust has leased out its dry dock for 30 years to Cochin Shipyard Ltd. On 11.4.2013, and as such no dry dock hire charges have been collected by this Port in 2017-18.				
V.O.Chidambaranar	<u>One</u> Length : 150 feet Width : 32 feet Draft : 6.5 feet	-	-	-	-
Visakhapatnam	<u>One</u> Length : 140.2 mtrs. Breadth : 18.2 mtrs. Depth : 5.6 mtrs.	0	<u>One</u> 4 T	5	180
Paradip	<u>One</u> Length : 75 mtrs. Breadth : 15 mts. Depth : 6 mts.	1	<u>One (Twin Hook)</u> 3/10 MT	22	329
Kolkata	NSD-1 (178X32.3X14.3)	---	2 Nos. 3/6T, 1 No. 3T	13	1685
	NSD-2 (182.9X32.3X14.3)				
	KPD-1 (166.7X21.2X7.6)		1 No. 5T		
	KPD-2 (151.5X21.2X7.5)		1 No. 7T		
	KPD-3 (106.7X18.3X7.3)				

Table No. 2.6

Dry Dock Hire Charges Existing at Major Ports

Name of Ports	Dry Dock Hire Charges for different sizes of vessels					
1	2					
Kandla/ Deendayal Port Trust	Rate Per Vessel					
	Craft up to 30 mtrs		Craft between 30 to 60 mtrs		Craft above 60 mtrs	
<u>Particulars</u>	Coastal Vessel (in Rs.)	Foreign going vessel (in US \$)	Coastal Vessel (in Rs.)	Foreign going vessel (in US \$)	Coastal Vessel (in Rs.)	Foreign going vessel (in US \$)
Docking & undocking the vessel including 1st day hire and cleaning of dry dock	122719.8	4963.92	147114.00	5951.22	171634.38	6943.16
Dry dock hire from 2nd day to 8 day (both days inclusive) per day or part thereof	43386.12	1755.1	52065.86	2106.22	60745.62	2457.36
Dry dock hire from 9th day to 20th day (both days inclusive) per day or part thereof	65082.56	2632.78	78096.72	3159.26	91114.22	3685.86
Dry dock hire from 21st day or part thereof	104853.56	4241.66	125824.84	5090.00	146794.22	5938.30
Particulars				Coastal vessel (in Rs.)	Foreign going vessels (in US \$)	
Removing and refitting keel blocks in way of repairs. Besides, special blocks, if required to be laid on account of peculiarities in the construction of any vessel.				6900.06 per block	279.12 per block	
Mormugao	National Charges				It doesnot have any Dry Dock of its own.	
	International Charges					
Paradip	National Charges				Rs. 23000/-	
	International Charges					
Mumbai	GRT (in MT)			Coastal Vessel (in Rs.)	Foreign going vessel (in US \$)	
	Upto 1000			39331.70	1868.25	
	1001 to 2000			42609.10	2026.96	
	2001 to 3000			45887.60	2780.50	
	3001 to 4000			52442.30	2491.01	
	4001 to 5000			58998.10	2803.25	
	5001 to 10000			65552.90	3113.76	
	10001 to 20000			72108.70	3426.01	
> 20001			81940.80	3893.49		
Cochin	Cochin Port Trust has leased out its dry dock for 30 years to Cochin Shipyard Ltd. On 11.4.2013, and as such no dry dock hire charges have been collected by this Port in 2017-18.					
Vishakapatnam				1st day to 14th day	15th day to 30th day	31st day onwards
	National Charges (in Rs.)			85579	128327	171158
	International Charges (in US\$)			3045.1	4566.16	6090.17
V.O. Chidambaranar	Available Port Dry-dock at Zone – B is beyond economical repairs and unserviceable condition.					

Dry Dock Hire Charges Existing at Major Ports

Name of Ports	Dry Dock Hire Charges for different sizes of vessels						
1	2						
Kolkata	I. During first 10 days of occupancy of vessel (part day or part thereof):						
	Size of vessel in GRT	1 & 2 N.S. Dry Dock		1 & 2 K.P. Dry Dock		3 K.P. Dry Dock	
		Foreign going vessel (in US \$)	Coastal Vessel (in Rs.)	Foreign going vessel (in US \$)	Coastal Vessel (in Rs.)	Foreign going vessel (in US \$)	Coastal Vessel (in Rs.)
	Upto 1000 GRT	2520	55440	2268	52920	2268	50400
	1001 to 2000	2772	60480	2520	57960	2268	54180
	2001 to 3000	3024	65520	2772	63000	2268	55440
	3001 to 4000	3276	75600	3024	70560	2268	56700
	4001 to 5000	3528	85680	3276	78120	2268	57960
	5001 to 10000	4032	95760	3528	88200	2268	60480
	10001 & above	4536	105840	3780	98280	2268	63000
	II. From 11 th to 30 th days of occupation: 200% of rates as stated above per day or part thereof.						
	III. Beyond 30 th days of occupation: 300% of rates as stated above per day or part thereof.						
	IV. If the undocking on the day as per the undocking list is deferred on account of Kopt, the corresponding dry dock hire charges for the days of delay will not be charged. This shall, however, not be applicable for Saturdays/ Sundays/ Holidays.						
	V. In case the vessel occupies the dry dock beyond the period for which the dry dock has been initially allotted due to reasons attributable to the Kopt, the dry dock hire charges for the period of such extension will not be chargeable. This shall, however, not be applicable for Saturdays/ Sundays/ Holidays.						
	VI. In case the vessel occupies the dry dock beyond the period for which the dry dock has been initially allotted for reasons other than (iv) and (v) above, hire charges shall be levied at double the rate prescribed at (i) to (iii) above for the period of such overstay or proportional incremental charges for the entire period of occupancy as per the following slabs, which ever is higher:						
	Total stay period			Rate			
	Up to 15 days			Rate as prescribed at (i) to (iii) above			
More than 15 days but less than/equal to 30 days			1.25 times the rate as prescribed (i) to (iii) above				
More than 30 days but less than/equal to 45 days			1.5 times the rate as prescribed (i) to (iii) above				
More than 45 days but less than/equal to 60 days			2 times the rate as prescribed (i) to (iii) above				
More than 60 days			5 times the rate as prescribed (i) to (iii) above				
VII. If the vessel has requisitioned for a dry dock but it is not ready to dock at the time specified according to the docking programme, no charges shall be leviable provided an intimation of cancellation/postponement of dry docking is given (excluding the day of docking) 2 days in advance of the specified time of docking. In such cases a cancellation fee of US dollar 52.5/ Rs 2100/- will be recovered in such cases in case of Foreign/ Coastal respectively. However, if no such intimation is given 5% additional charge shall be recovered calculated on the rates applicable during the first 10 days of occupation for the period the vessel did not actually occupy the dry dock.							

Source: All major ports.

Table No. 2.7

Equipments available at Major Ports

Name of Ports	Equipments available in the Workshops
1	2
Kandla/ Deendayal Port Trust	Lathe Machines (6), Flexible Grinding Machine (2), (Welding Machine, Gas Cutting Sets and Grinding Machines [3 each]), (Radial Drill Machine, Vertical Drill Machine, Milling Machine, Shapping Machine, Saw Cutting Machine, Hardness Testing Machine and Flexible Welding Machine [1 each])
Mormugao	Mormugao port trust has lease out its port to Western India Shipyard Ltd. and the lease is getting over in April, 2018.
Mumbai	Nil. Private contractors are deployed by the vessel owners.
Cochin	Cochin Port Trust has leased out its dry dock for 30 years to Cochin Shipyard Ltd. On 11.4.2013, and as such no dry dock hire charges have been collected by this Port in 2017-18.
Visakhapatnam	NIL
Paradip*	<p>1 Overhead crane, capacity: 10 Ton</p> <p>1 Lathe Machine type- EP3225, Height = 16 inches, Chuck = 24 inch, Bed length = 12 feet</p> <p>1 Lathe Machine Type-H 26, Height = 10 inches, Chuck = 14 inches, Bed length = 12 feet</p> <p>1 Bending Machine (3 rollers), Rollers Diameter = 200mm (1 nos.); 180mm (2 nos.)</p> <p>Length = 2 meters</p> <p>1 Stand Radial Drill Machine , Make : HMT,</p> <p>Machine no. 32358</p> <p>1 Electric Saw</p>
Kolkata	<p>Commercial (Non-KoPT) vessels are repaired by the concerned Dry Dock users by their own arrangement.</p> <p>KoPT-owned vessels are repaired by KoPT-through contractors by open tendering process.</p>
V.O.Chidambaranar	-
NMPT	The infrastructure and dry dock facility are not available at Port.
JNPT	The port doesn't have the facility for ship buildig and ship repairing.
Haldia Dock Complex	The dry dock facility is not available at Port.
Kamarajar Port	The dry dock facility is not available at Port.
Chennai	The infrastructure and dry dock facility are not available at Port.

* Repeated last year information.

Section- 3

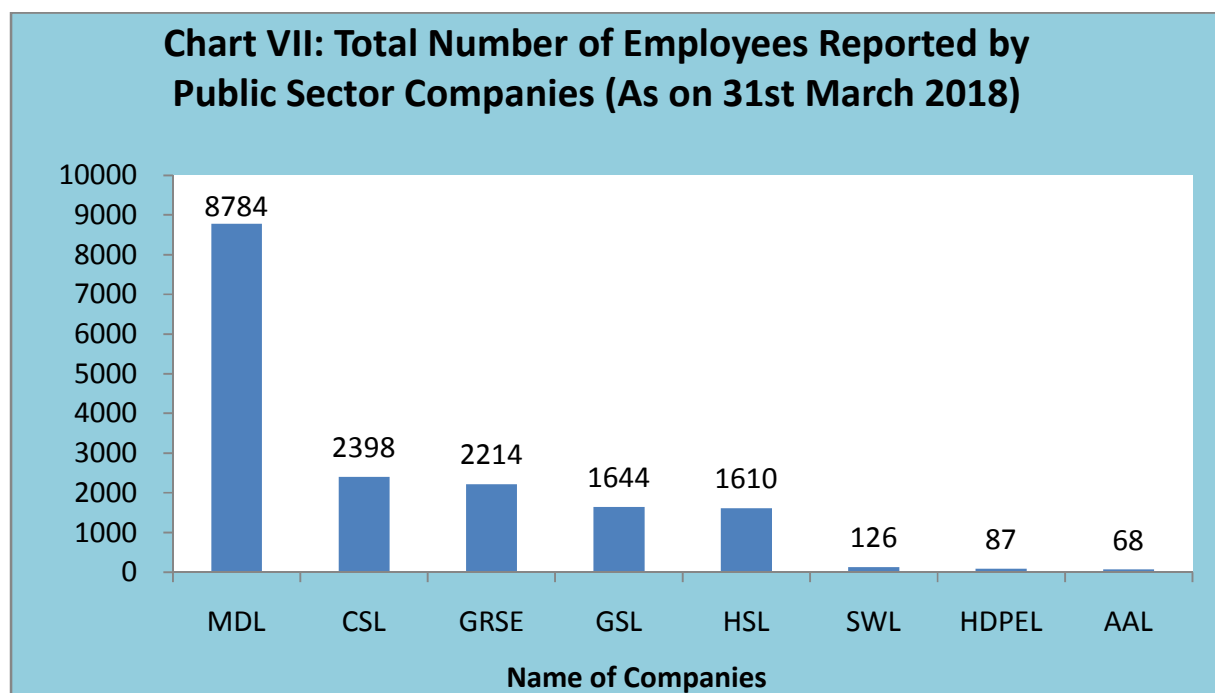
**EMPLOYMENT IN SHIP-BUILDING/SHIP-
REPAIRING INDUSTRY**

3. EMPLOYMENT IN SHIP-BUILDING/SHIP-REPAIRING INDUSTRY

3.1 The total number of employees under the eight Public Sector Shipyards during 2017-18 was 16931 which included 2682 officers (15.84% of the total number of employees). The maximum number of employees in the public sector Shipyards as on 31st March 2018 was 8784 in Mazagon Dock Ltd (MDL) followed by 2398 in Cochin Shipyard Ltd (CSL), 2214 in Garden Reach Ship Builders and Engineers Ltd. (GRSE), 1644 in Goa Shipyard Ltd. (GSL) and 1610 in Hindustan Shipyard Ltd. (HSL).

3.2 The total number of employees in private sector companies were 6159 as on 31st March 2018 of which total number of officers were 2020 (32.80% of the total number of employees). Amongst the reporting companies, Reliance Naval & Engineering Ltd. had highest number of employees (1518) followed by ABG Shipyard Ltd. (ABGS) (784) and Bharti Defence and Infrastructure Ltd. (BDIL) (727).

3.3 The total number of employees among the eight public sectors undertakings is shown in chart VII below and details of the same are given in Table 3.1 (Page No. 38).



3.4 Chart VIII given below depicts a downward trend in Ship-building and Ship-repairing industries during the period 2013-14 to 2017-18 and details of the same are given in Table 3.2 (Page No. 39).

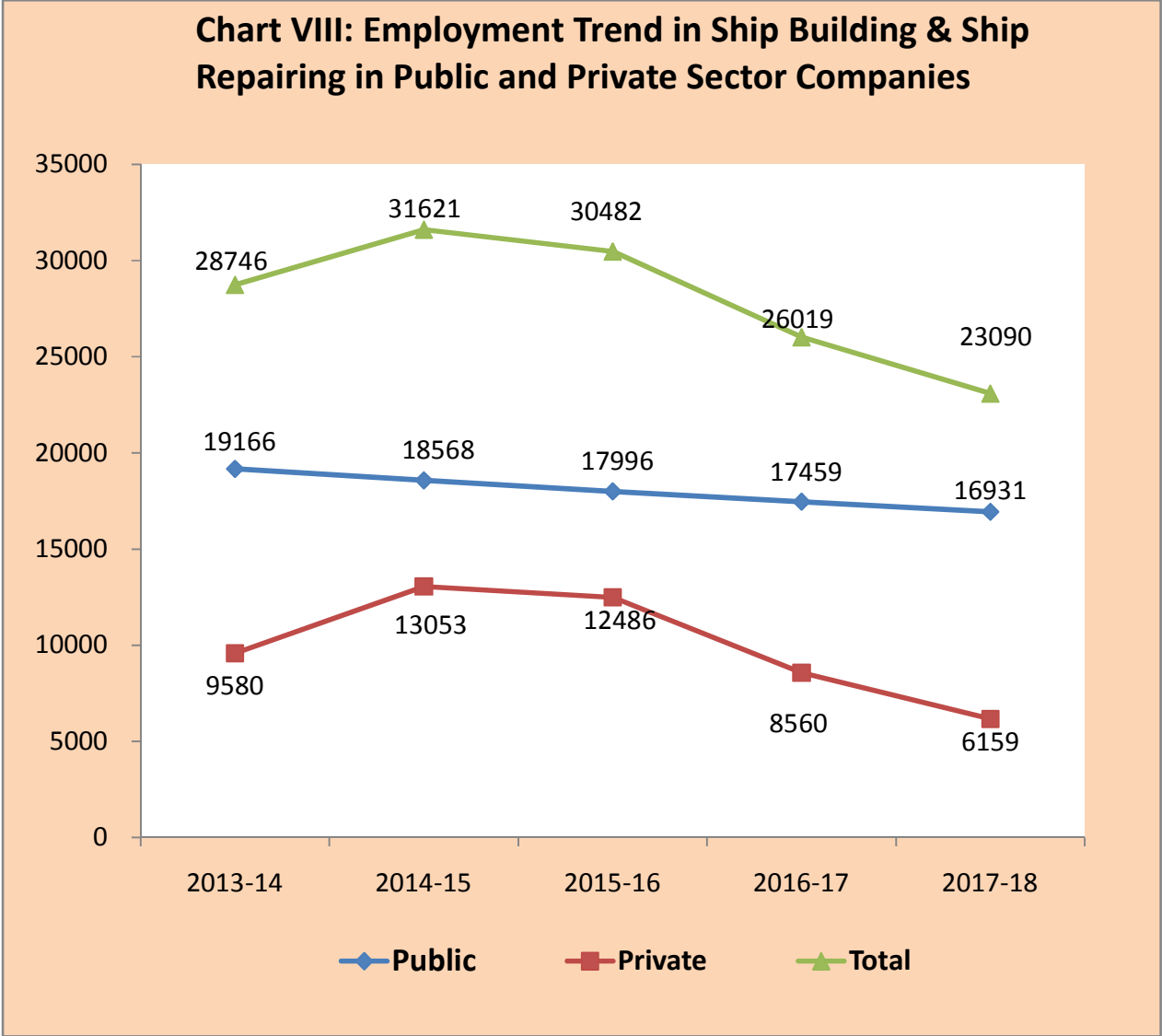


Table No. 3.1

Employment In Ship-Building/Ship-Repairing Companies

(As on 31st March, 2018)

Name of The Company	Officers		Supervisors		Workforce in Operation				Total	
	Permanent	Contractual	Permanent	Contractual	Directly involved in		Indirectly involved in		Permanent	Contractual
					Permanent	Contractual	Permanent	Contractual		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
A. PUBLIC SECTOR (Total)	2533	149	669	27	7138	4276	1307	832	11647	5284
1. Alcock Ashdown (Gujarat) Ltd.	22	1	0	0	29	0	16	0	67	1
2. Cochin Shipyard Ltd.	313	73	181	3	1240	0	95	493	1829	569
3. Garden Reach Ship-Builders & Engineers Ltd	482	0	119	0	1135	0	478	0	2214	0
4 Goa Shipyard Ltd.	258	18	176	2	861	161	120	48	1415	229
5. Hindustan Shipyard Ltd.	335	19	191	19	527	388	125	6	1178	432
6. Hooghly Dock & Port Engineers Ltd.	1	8	2	3	26	0	14	33	43	44
7. Mazagon Dock Ltd.	1118	9	0	0	3240	3727	439	251	4797	3987
8. Shalimar Works Ltd.	4	21	0	0	80	0	20	1	104	22
B. PRIVATE SECTOR (Total)	1931	89	23	2	2174	983	674	283	4802	1357
9. Dempo Shipbuilding & Engg. L	32	0	0	0	0	140	1	30	33	170
10. ABG Shipyard Ltd.	414	0	0	0	299	0	71	0	784	0
11. Bharati Defence & Infrastructure Ltd	41	0	0	0	361	0	325	0	727	0
12. Chowgule & Co. Ltd.	74	0	0	0	6	29	15	0	95	29
13. Ferromar Shipping Pvt. Ltd.	2	0	0	0	2	0	0	0	4	0
14. Vedanta Ltd. @	0	0	0	0	0	0	0	0	0	0
15. A.C.Roy & Comp. Ltd.	30	0	1	0	4	10	13	0	48	10
16. Bristol Boats	5	0	1	0	16	0	1	0	23	0
17. Tebma Shipyard Ltd***	115	7	12	2	120	127	25	0	272	136
18. L&T Shipbuilding Ltd	478	21	0	0	1	0	0	0	479	21
19. N N Shipbuilders and Engineers Pvt Ltd	12	0	3	0	65	0	12	0	92	0
20. Reliance Naval & Engineering Ltd.	352	10	0	0	1017	21	115	3	1484	34
21. Modest Infrastructure Pvt. Ltd	45	0	0	0	15	0	5	0	65	0
22. Chidambaram Shipcare Pvt. L	18	0	4	0	3	25	0	0	25	25
23. Sembmarine Kakinada Ltd. ***	16	0	0	0	79	0	0	0	95	0
24. Neptunus Power Plant Services Pvt. Ltd. ***	0	0	0	0	0	0	0	0	0	0
25. A.S. Moolobhoy Pvt. Ltd.	43	0	0	0	72	0	19	0	134	0
26. Shoft Shipyard Pvt. Ltd.	130	35	0	0	60	475	8	10	198	520
27. Mandovi Drydocks	35	16	0	0	0	0	0	240	35	256
28. Timblo Drydocks Pvt. Ltd.	46	0	0	0	0	156	0	0	46	156
29. Marks Marine Radio Pvt. Ltd.	32	0	0	0	28	0	17	0	77	0
30. Vijai Marine Shipyards	11	0	2	0	26	0	47	0	86	0
C. Grand Total (A + B)	4464	238	692	29	9312	5259	1981	1115	16449	6641

*** No information is received from these companies. Hence last reported data has been repeated Sembmarine Kakinada i.e. 2015-16 & Tebma Shipyard and Neptunus Power Plant Services i.e. 2016-17.
 @ Ship Building yard has been close down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out now.

Table No. 3.2

**Employment Pattern In Ship-Building/
Ship-Repairing Companies - (2014-2018)**

(In numbers)

Name of The Company (1)	Particulars (2)	As on 31st March				
		2014 (3)	2015 (4)	2016 (5)	2017 (6)	2018 (7)
A. PUBLIC SECTOR (Total)	Total	19166	18568	17996	17459	16931
	Officers	2566	2536	2628	3202	2682
1. Alcock Ashdown (Gujarat) Ltd.	Total	132	109	96	86	68
	Officers	56	48	45	32	23
2. Cochin Shipyard Ltd.	Total	2524	2544	2461	2632	2398
	Officers	354	318	348	700	386
3. Garden Reach Ship-Builders & Engineers Ltd.	Total	3133	2834	2592	2401	2214
	Officers	463	484	496	504	482
4. Goa Shipyard Ltd.	Total	1545	1545	1605	1656	1644
	Officers	234	234	262	465	276
5. Hindustan Shipyard Ltd.	Total	2568	2270	2001	1794	1610
	Officers	374	364	403	379	354
6. Hooghly Dock & Port Engineers Ltd.	Total	447	408	135	95	87
	Officers	38	35	16	9	9
7. Mazagon Dock Ltd.	Total	8635	8679	8927	8658	8784
	Officers	1025	1034	1039	1085	1127
8. Shalimar Works Ltd.	Total	182	179	179	137	126
	Officers	22	19	19	28	25
B. PRIVATE SECTOR (Total)	Total	9580	13053	12486	8560	6159
	Officers	2278	2329	2156	2039	2020
9. Dempo Shipbuilding & Engg. Ltd.	Total	110	240	248	175	203
	Officers	47	38	18	36	32
10. ABG Shipyard Ltd.	Total	1321	1020	784	784	784
	Officers	785	540	414	414	414
11. Bharati Defence & Infrastructure Ltd.	Total	1303	1124	1090	981	727
	Officers	115	110	105	93	41
12. Chowgule & Co. Ltd.	Total	113	94	109	109	124
	Officers	86	72	59	59	74
13. Ferromar Shipping Pvt. Ltd.	Total	2	2	2	4	4
	Officers	2	2	2	2	2
14. Vedanta Ltd. @	Total	76	139	18	36	0
	Officers	14	12	10	7	0
15. A.C.Roy & Comp. Ltd.	Total	58	58	58	58	58
	Officers	30	30	30	30	30
16. Bristol Boats	Total	13	12	24	25	23
	Officers	4	3	4	6	5
17. Tebma Shipyard Ltd***	Total	656	725	725	408	408
	Officers	139	161	161	122	122
18. L&T Shipbuilding Ltd	Total	843	4126	4126	586	500
	Officers	363	605	605	506	499
19. N N Shipbuilders and Engineers Pvt Ltd	Total	92	92	92	92	92
	Officers	12	12	12	12	12
20. Reliance Naval & Engineering Ltd.	Total	4993	4930	4930	4930	1518
	Officers	681	633	633	633	362
21. Modest Infrastructure Pvt. Ltd.	Total	0	352	141	111	65
	Officers	0	68	60	50	45
22. Chidambaranar Shipcare Pvt. Ltd.	Total	0	44	44	39	50
	Officers	0	27	27	17	18
23. Sembmarine Kakinada Ltd. ***	Total	0	95	95	95	95
	Officers	0	16	16	16	16
24. Neptunus Power Plant Services Pvt. Ltd.*	Total	0	0	0	0	0
	Officers	0	0	0	0	0
25. A.S. Moloobhoy Pvt. Ltd.	Total	0	0	0	127	134
	Officers	0	0	0	36	43
26. Shoft Shipyard Pvt. Ltd.	Total	0	0	0	0	718
	Officers	0	0	0	0	165
27. Mandovi Drydocks	Total	0	0	0	0	291
	Officers	0	0	0	0	51
28. Timblo Drydocks Pvt. Ltd.	Total	0	0	0	0	202
	Officers	0	0	0	0	46
29. Marks Marine Radio Pvt. Ltd.	Total	0	0	0	0	77
	Officers	0	0	0	0	32
30. Vijai Marine Shipyards	Total	0	0	0	0	86
	Officers	0	0	0	0	11
C. Grand Total (A + B)	Total	28746	31621	30482	26019	23090
	Officers	4844	4865	4784	5241	4702

@ Ship Building yard has been close down from 2016 onwards. No Ship Building and Ship Repairing activities are being carried out now. Services i.e. 2016-17.

Section-4

FINANCIAL POSITION OF SHIPBUILDING AND SHIP REPAIRING COMPANIES

4. FINANCIAL POSITION OF SHIP BUILDING AND SHIP REPAIRING COMPANIES

4.1 Amongst public sector companies, the highest income earned during 2017-18 was Rs. 5013.45 crore by Mazagon Dock Ltd followed by Rs. 2544.28 crore by Cochin Shipyard Ltd (CSL), Rs. 1525.75 crore by Garden Reach Ship-Builders & Engineers Ltd (GRSE), Rs. 1449.57 crore by Goa Shipyard Ltd. (GSL) and Rs. 651.66 crore by Hindustan Shipyard Ltd (HSL).

4.2 In terms of profit, the highest profit was earned by Mazagon Dock Ltd (MDL) (Rs. 696.37 crore), followed by Cochin Shipyard Ltd (CSL) (Rs. 604.86 crore), Goa shipyard Ltd (GSL) (Rs. 327.49 crore), Garden Reach Ship-builders & Engineers Ltd. (GRSE) (Rs. 127.75) and Hoogly Dock & Port Engineers Ltd. (HDPL) (Rs. 23.94 crore).

4.3 In private sector, the highest income earned during 2017-18 amongst the reporting companies was by L&T Shipbuilding Ltd. (Rs. 759.66 crore) followed by Reliance Naval & Engineering Ltd. (RNEL) (Rs 413.84 crore), Mandovi Drydocks (Rs. 70.09 crore), Shoft Shipyard Pvt. Ltd. (SSPL) (Rs. 69.63 crore), Vijai Marine Shipyards (VMS) (57.57 crore), A.S. Moolobhoy (ASMPL) (38.44 crore), and A.C. Roy & Co. Ltd (Rs 36.74 crore).

4.4 In terms of profit, the highest profit was earned by Vijai Marine Shipyards (VMS) (15.64 crore) followed by Shoft Shipyard Pvt. Ltd. (SSPL) (Rs. 10.93 crore), A.C. Roy & Co. Ltd (Rs 7.67 crore), Mandovi Drydocks (Rs. 5.08 crore), A.S. Moolobhoy (ASMPL) (1.67 crore), Marks Marine Radio Pvt. Ltd. (MMRPL) (0.20 crore) and N.N. Shipbuilders Pvt. Ltd. (NNSPL) (Rs. 0.08 crore).

4.5 Chart IX below shows the financial performance in terms of profit/ loss of the major public and private sector companies engaged in ship building/ repair as on 31st March 2018 and details of the same from the financial year 2014 to 2018 is given in Table 4.1 (Page No. 42-44).

Chart IX: Financial Performance of Major Public and Private Companies in 2017-18

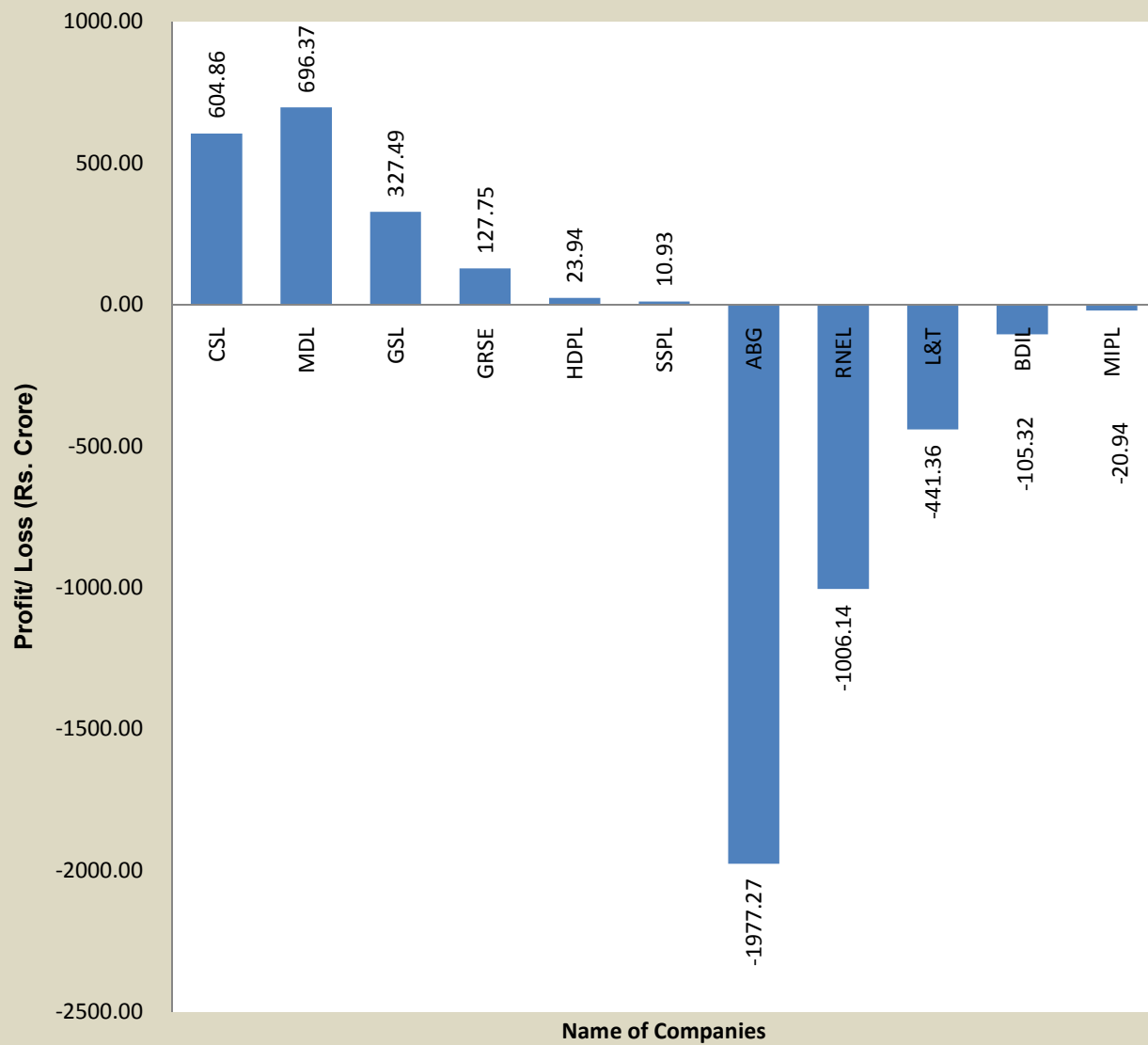


Table No. 4.1

Financial Performance (Income & Expenditure) : Company - wise (2014 to 2018)

(Rs. in lakhs)

Sl. No.	Name of the Company	As on 31st March	Income from (Rs. in lakhs)			Total Income	Expenditure incurred on (Rs. in lakhs)			Total Expenditure	Profit (+)/Loss(-)
			Ship Building	Ship Repairing	Other resources		Operating, establishment and other	Provision for Depreciation	Interest		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
A. PUBLIC SECTOR											
1.	Alcock Ashdown (Gujarat) Ltd.	2018	0.00	0.00	19.55	19.55	484.74	147.02	2673.99	3305.75	-3286.20
		2017	-	-	2668.61 (&)	2668.61	1013.35	155.66	2013.91	3182.92	-514.31
		2016	-	-	24079.67(&)	24079.67	22719.25	151.25	2011.08	72.68	24006.99
		2015	-	-	4.01	4.01	4.23	1.60	66.85	63.88	-59.87
		2014	-	-	4.95	4.95	5.30	1.32	57.26	220.41	-215.45
2.	Cochin Shipyard Ltd.	2018	173185.69	62326.64	18915.83	254428.16	189050.10	3751.02	1141.03	193942.15	60486.01
		2017	151582.17	54304.93	16357.63	222244.73	167939.99	3850.99	1053.58	172844.56	49400.17
		2016	162596.21	36749.03	11391.79	210737.03	163851.22	3719.25	1201.21	168771.68	41965.35
		2015	164299.24	19595.17	11402.22	195296.63	152875.64	3832.39	1832.16	158540.19	36756.44
		2014	140956.46	22788.41	7532.96	171277.83	147447.68	2428.62	1977.31	151853.61	19424.22
3.	Garden Reach Ship-Builders & Engineers Ltd.	2018(P)	110918.00	23734.00	17923.00	152575.00	136639.00	2896.00	265.00	139800.00	12775.00
		2017	69804.00	23128.00	21699.00	114631.00	109675.00	2665.00	278.00	112618.00	2013.00
		2016	131451.60	1719.37	53070.92	-351399.52	158107.60	2779.80	439.85	161327.25	7602.00
		2015 ©	201089.00	##1682.00	-552488.52	-351399.52	157340.00	2711.00	170.00	160221.00	18723.00
		2014	12435.00	##2385.00	154990.00	167425.00	148442.00	2207.00	438.00	151087.00	19315.00
4.	Goa Shipyard Ltd.	2018(P)	111591.00	22387.00	10979.00	144957.00	107871.00	4258.00	79.00	112208.00	32749.00
		2017	83683.00	19337.00	7217.00	110237.00	88617.00	3695.00	179.00	92491.00	17746.00
		2016	55501.00	17095.00	6041.00	78637.00	66611.00	882.00	104.00	67597.00	11040.00
		2015 (P)	46659.00	10296.00	11122.00	68077.00	61789.00	898.00	73.00	60253.00 **	68077.00
		2014	42167.00	8723.00	4362.00	55252.00	57762.00	1727.00	2042.00	61361.00 **	55252.00
5.	Hindustan Shipyard Ltd.	2018(P)	30398.00	33503.00	1265.00	65166.00	61019.00	475.00	1573.00	63067.00	2099.00
		2017	47743.00	15162.00	2104.00	65009.00	57504.00	628.00	1500.00	59632.00	5377.00
		2016	36636.00	14258.00	14814.00	65708.00	61710.00	698.00	1400.00	63808.00	1900.00
		2015	12866.91	6284.00	13150.00	32300.91	50679.55	680.07	1225.10	52584.72	-20283.81
		2014	23914.00	21426.00	6567.00	51907.00	54850.00	753.00	925.00	56528.00	-4621.00
6.	Hooghly Dock & Port Engineers Ltd.	2018(P)	-	-	4050.00	4050.00	464.54	7.50	1183.50	1655.54	2394.46
		2017	-	-	8353.63	8353.63	881.06	10.20	1221.84	2113.10	6240.53
		2016	1273.25	-	1532.68	2805.93	4111.14	14.26	660.52	4785.92	-1979.99
		2015	295.22	-	4931.53	5226.75	4390.66	50.57	537.97	4979.20	247.55
		2014	-	-	25006.40	25006.40	6544.80	29.45	431.41	7005.66	18000.74
7.	Mazagan Dock Ltd.	2018(P)	439916.00	0.00	61429.00	501345.00	426302.00	5021.00	385.00	431708.00	69637.00
		2017	352367.00	-19.00	77157.00	429505.00	341476.00	3939.00	390.00	345805.00	83700.00
		2016	414117.00	66.00	74353.00	488536.00	421597.00	3150.00	7.00	424754.00	63782.00
		2015	361674.00	217.00	56257.00	418148.00	365900.00	3086.00	3.00	368989.00	49159.00
		2014	288672.00	-	61265.00	349937.00	308344.00	1823.00	9.00	310176.00	39761.00
8.	Shalimar Works Ltd.	2018	1846.40	0.00	204.52	2050.92	2768.10	34.82	1929.53	4732.45	-2681.53
		2017	1768.49	29.62	164.27	1962.38	3170.02	34.91	1813.95	5018.88	-3056.50
		2016	4502.62	113.00	605.41	5221.03	6817.25	32.71	1800.89	8650.85	-3429.82
		2015	950.00	127.84	244.97	1322.81	1352.92	31.42	1716.59	3100.93	-1778.12
		2014	2408.83	155.02	535.96	1281.59	3188.21	27.57	1590.32	4806.10	-3524.51
B. PRIVATE SECTOR											
9.	Dempo Shipbuilding and Engineering Ltd.	2018	87.00	1026.00	68.00	1181.00	1494.00	141.00	158.00	1793.00	-612.00
		2017	374.00	1087.00	52.00	1513.00	1825.00	149.00	218.00	2192.00	-679.00
		2016	0.00	1218.62	782.02	4476.37	2044.71	167.88	253.80	2466.39	2009.98
		2015(P)*	4045.73	803.00	(-)372.36	4848.73	3812.63	204.33	251.63	4268.59	580.14
		2014 *	1542.86	804.46	1459.77	8014.02	4185.76	295.82	289.94	4771.52	3242.50
10.	ABG Shipyard Ltd.	2018	Financial data for full financial year ending 31.3.2018 (F.Y. 2017-18) is not being compiled as Company in Debt Resolution. Will be shared if compiled by Resolution Professional								
		2017	-	1640.00	463.00	2103.00	42367.00	7079.00	150384.00	199830.00	-197727.00
		2016	2726.63	700.50	348.88	3776.01	222506.38	8150.79	145528.12	376185.29	-372409.28
		2015	36710.00	1864.00	1593.00	40167.00	76334.00	9914.00	72509.00	158757.00	-118590.00
		2014	146398.00	1111.00	15981.00	163490.00	126458.00	9178.00	57472.00	193108.00	-29618.00
11.	Bharati Defence & Infrastructure Ltd	2018	1836.08	174.32	377.61	2388.01	5182.08	5418.34	2319.28	12919.70	-10531.69
		2017	0.90	214.36	2654.20	2869.46	27462.75	5996.74	14076.87	47536.36	-44666.90
		2016	4705.17	1019.92	1072.48	6797.57	15462.54	6227.02	29656.46	51346.02	-44548.45
		2015	2497.98	624.77	1250.02	4372.77	69158.02	6227.02	29656.46	105041.50	-100668.73
		2014	16686.10	634.23	2980.58	20300.91	37633.57	4939.92	51184.26	93757.75	-73456.84
12.	Chowgule & Co.Ltd.	2018	2107.53	775.45	275.64	3158.62	2849.73	641.83	286.39	3777.95	-619.33
		2017	219.65	272.13	229.44	721.22	1320.47	892.18	328.99	2541.64	-1820.42
		2016	2198.97	47.65	281.79	2528.41	2134.96	1183.27	330.29	3648.52	-1120.11
		2015	6514.16	-	168.86	6683.02	6226.81	1508.36	119.37	7854.54	-1171.52
		2014	8752.08	-	772.13	9524.21	5391.27	993.04	3.40	6387.71	3136.50
13.	Vedanta	2018	-	-	-	-	-	-	-	-	-

Financial Performance (Income & Expenditure) : Company - wise (2014 to 2018)

(Rs. in lakhs)

Sl. No.	Name of the Company	As on 31st March	Income from (Rs. in lakhs)			Total Income	Expenditure incurred on (Rs. in lakhs)			Total Expenditure	Profit (+)/Loss(-)
			Ship Building	Ship Repairing	Other resources		Operating, establishment and other expenses	Provision for Depreciation	Interest		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
14	Ferromar Shipping Pvt. Ltd.	2018	85.29	26.70	621.40	733.39	310.87	345.69	105.12	761.68	-28.29
		2017	-	156.33	702.40	858.73	366.47	305.75	146.40	818.62	40.11
		2016	88.11	-	784.49@	872.60	269.11	343.82	133.73	746.66	125.94
		2015	-	-	724.82@	724.82	169.45	391.18	125.64	686.27	38.55
		2014	-	-	740.57	740.57	414.87	107.62	25.41	547.90	192.67
15	A.C.Roy & Comp. Ltd.	2018	2979.00	83.00	612.00	3674.00	2119.00	702.00	86.00	2907.00	767.00
		2017	2354.00	145.00	292.00	2791.00	1437.00	583.00	81.00	2101.00	690.00
		2016	2529.00	116.00	105.00	2750.00	1435.00	571.00	23.00	2029.00	721.00
		2015	2312.00	155.00	171.00	2638.00	2035.00	71.00	17.00	2123.00	515.00
		2014	2162.00	181.00	275.00	2618.00	2017.00	69.00	21.00	2107.00	511.00
16	Bristol Boats	2018	-	14.09	52.68	66.77	97.83	4.04	7.56	109.43	-42.66
		2017	-	170.56	31.10	201.66	180.61	3.91	6.29	190.81	10.85
		2016	-	4.74	40.50	45.24	65.26	3.85	0.19	69.30	-24.06
		2015	-	3.70	108.47	112.17	127.07	6.82	5.14	139.03	-26.86
		2014	209.15	9.61	16.80	152.78 ^	244.77	8.69	18.98	272.44	-272.44
17	Tebma Shipyard Ltd***	2018	-	-	207.80	5490.18	7106.38	1271.22	4767.68	13145.28	-7655.10
		2017	5282.38	-	935.49	10071.71	10490.65	1390.61	3941.15	15822.41	-5750.70
		2016	9136.22	-	708.50	15851.23	14256.08	1814.48	3039.75	19110.31	-3259.08
		2015	15142.73	-	1108.90	30328.10	31881.23	1917.68	3198.52	36997.43	-6669.33
		2014	29219.20	-	465.12	75966.34	85572.00	9549.19	24981.46	120102.65	-44136.31
18	L&T Shipbuilding Ltd	2018	58645.22	3460.20	369.65	62475.07	63507.44\$\$	9515.88	24286.06	97309.38	-34834.31
		2017	42267.13	3684.32	168.50	46119.95	89173.08\$	9244.37	18873.04	117290.49	-71170.54
		2016	54389.52	4482.01	404.34	59275.87	81281.10	15141.39	30199.94	126622.43	-67346.56
		2015	50816.78	2128.48	1612.34	54557.60	73741.14	17910.77	27744.13	119396.04	-64838.44
		2014	2018(P)	17.05	6.00	799.34	822.39	767.57	19.73	27.00	814.30	8.09
19	N N Shipbuilders and Engineers Pvt Ltd	2017	1537.42	105.71	660.94	2304.07	2256.33	19.73	21.55	2297.61	6.46
		2016	91.25	0.62	377.75	469.62	408.33	24.55	21.97	454.85	14.77
		2015	227.52	-	1502.65	1730.17	1626.72	28.00	-	1654.72	75.45
		2014	100.00	-	1282.55	1382.55	1305.51	25.00	-	1330.51	52.04
		2018	27162.72	5725.31	8496.22	41384.25	52451.81	19806.81	69739.19	141997.81	-100613.56
20	Reliance Naval & Engineering Ltd.	2017	36788.85	14658.94	4966.65	56414.44	49708.24	20065.17	57263.75	127037.16	-70622.72
		2016	29303.55	40835.79	16068.57	86207.91	73814.39	13134.35	45269.29	132218.03	-46010.12
		2015	29303.55	40835.79	16068.57	86207.91	73814.39	13134.35	45269.29	132218.03	-46010.12
		2014	122917.03	-	108990.60	231907.63	166423.94	16170.40	46520.81	229115.15	2792.48
		2018(P)	-	237.61	116.02	353.63	1173.30	196.78	1077.17	2447.25	-2093.62
21	Modest Infrastructure Pvt. Ltd.	2017	3372.34	82.26	70.62	3525.22	4611.95	208.22	1392.34	6212.51	-2687.29
		2016	3155.95	-	105.92	3261.87	5267.43	228.46	2015.74	7511.63	-4249.76
		2015	5117.88	48.92	134.68	5301.48	5982.26	261.27	2093.42	8336.95	-3035.47
		2014	3735.32	-	216.32	3951.64	6163.66	939.11	2778.91	9881.68	-5930.04
		2018(P)	0.00	679.53	7.04	686.57	760.76	13.07	6.10	779.93	-93.36
22	Chidambaram Shipcare Pvt. Ltd.	2017	0.00	848.17	8.23	856.40	824.76	12.38	9.52	846.66	9.74
		2016	0.00	1170.70	11.42	1182.12	1090.41	14.79	36.14	1141.34	40.78
		2015	36.09	1370.31	8.28	1414.68	1300.43	16.57	52.33	1369.33	45.35
		2014	187.63	1031.16	18.67	1237.46	1097.85	17.55	49.13	1164.53	72.93
		2018	-	-	-	-	-	-	-	-	-
23	Sembmarine Kakinada Ltd.***	2017	-	7104.64	3380.50	10485.14	6483.01	2341.25	4005.26	12829.52	-2344.38
		2016	-	5756.63	804.70	6561.33	7836.62	3989.81	3475.61	15302.04	-8740.71
		2015	-	1336.03	1041.19	2377.22	2341.16	2653.30	2140.67	7135.13	-4757.91
		2014	-	-	-	-	-	-	-	-	-
24	Neptunus Power Plant Services Pvt. Ltd***	2018	-	-	-	-	-	-	-	-	-
		2017	-	-	-	-	-	-	-	-	-
		2016	-	-	-	-	-	-	-	-	-
25	A.S. Moloobhoy	2018	-	3815.54	28.96	3844.50	3671.35	-	6.50	3677.85	166.65
		2017	-	3550.81	44.53	3595.34	3398.21	-	48.52	3446.73	148.61
		2016	-	4278.35	39.23	4317.58	3855.02	132.65	59.85	4047.52	270.06
26	Shoft Shipyard Pvt. Ltd.	2018 (P)	5969.98	654.81	338.53	6963.32	5477.18	235.01	157.76	5869.95	1093.37
		2017	5891.65	282.20	287.72	6461.57	5241.15	220.03	185.03	5646.21	815.36
27	Mandovi Drydocks	2018(P)	6646.10	361.77	0.76	7008.62	6298.12	43.31	158.65	6500.08	508.55
		2017	6539.40	1182.13	13.65	7735.18	7279.62	45.20	131.51	7456.32	278.86
28	Timblo^^	2017	2967.94	1.77	358.33	3328.04	1978.86	153.32	1057.96	3190.14	137.90

Table No. 4.1 Contd...

Financial Performance (Income & Expenditure) : Company - wise (2014 to 2018)

(Rs. in lakhs)

Sl. No.	Name of the Company	As on 31st March	Income from (Rs. in lakhs)			Total Income	Expenditure incurred on (Rs. in lakhs)			Total Expenditure	Profit (+)/Loss(-)
			Ship Building	Ship Repairing	Other resources		Operating, establishment	Provision for Depreciation	Interest		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
29	Marks Marine Radio Pvt. Ltd.	2018	-	1095.31	0.22	1095.53	1032.61	17.56	25.57	1075.74	19.79
		2017	-	1063.72	44.06	1107.78	935.11	18.13	6.35	959.59	148.19
30	Vijai Marine Shipyards	2018	5317.50	25.57	414.38	5757.45	3882.90	110.23	200.78	4193.91	1563.54
		2017	6076.14	446.99	354.31	6877.44	4497.10	130.24	188.75	4816.09	2061.35

* Income from other sources excludes WIP Rs. 1858.59 lakh in 2015. It includes Rs. 1085.29 lakh in 2014.

(P) Provisional / Unaudited

*** No information is received from these companies.

(c) Income from other resources exclude Accr(+)/Decr(-) in WIP/Finished Goods Rs. 69450 lakhs

Income from Ship repairing sales

(&) Includes income from exceptional items.

@ Includes Deferred Tax Provision

\$ Includes loss from discontinued operations

\$\$ Figure after adjustment of Exceptional Items and Tax Expense (reversal of earlier year provision)

** Excludes Rs. 170 Lakh and Rs. 2507 lakh in 2014 and 2015 respectively

^Total income adjusted for losses due to revenue incomplete contract - manufacture Rs. 82.78 lakh for the year 2014

^^Information for the year 2017-18 has not provided by Company.

Section -5

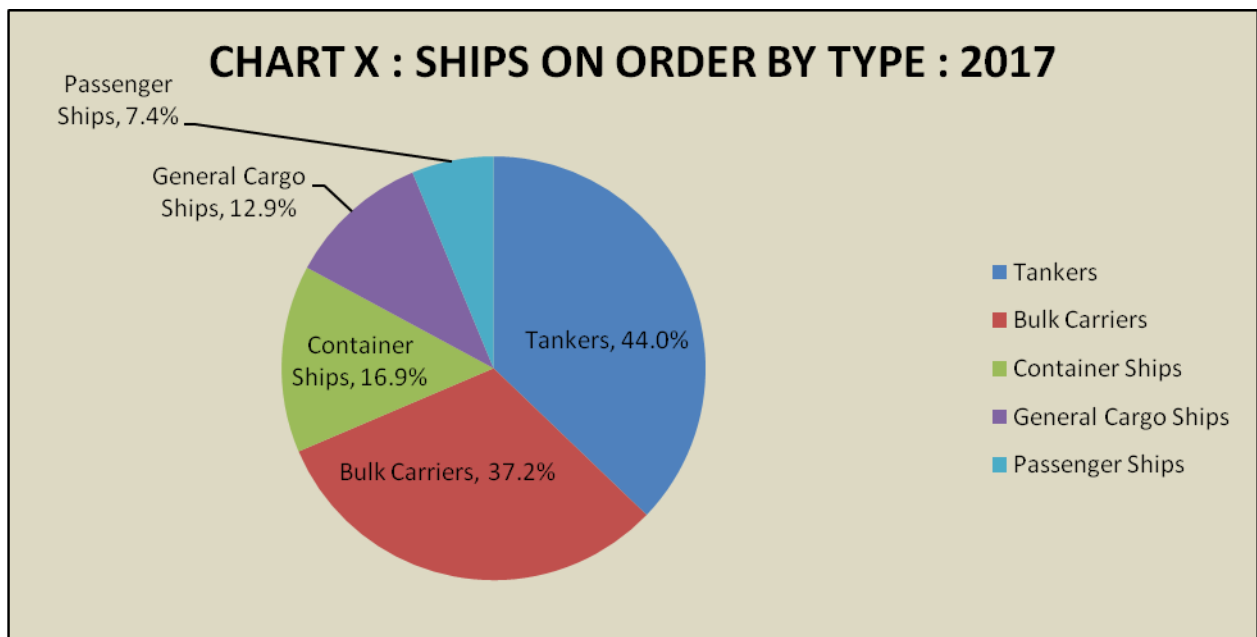
INTERNATIONAL SCENARIO

5. INTERNATIONAL SCENARIO

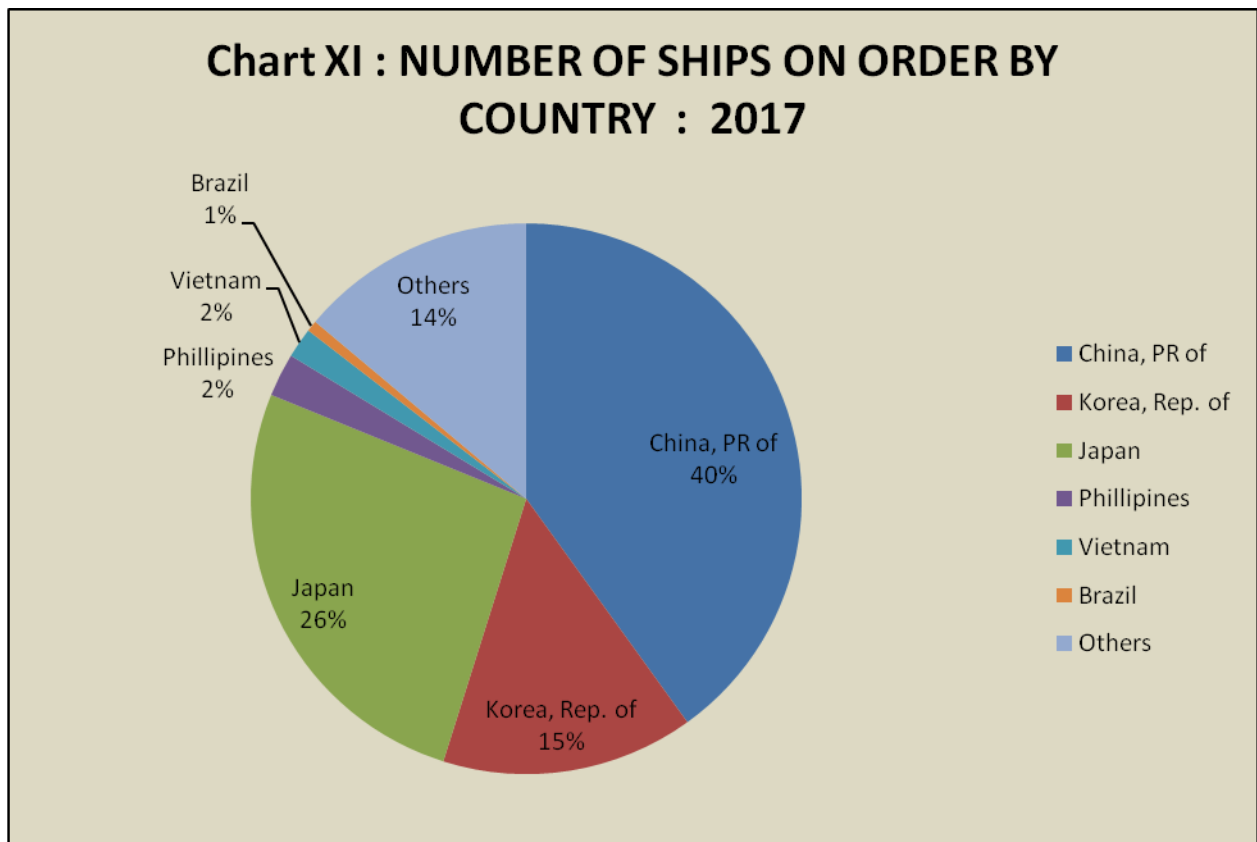
5.1 This section comprises comparative time series data on ship building activity in terms of order and completion and by type and country (Table 5.1 to 5.6) (Page No. 48-54).

5.2 Table 5.1 shows that the number of ships on order reflects the demand side dynamics of the world shipping industry. Over the period 2003 to 2017 (as on 1st January), the number of ships on order at a global level has increased from 2248 units in 2003 to 2944 units in 2017. During last three years from 2015 to 2017, number of ships on order has gone down from 4195 ships in 2015 to 2944 ships in 2017. Ships on order (as on 1st January) in terms of gross tonnage (GT) have gone up from 49.16 million GT in 2003 to 78.49 million GT in 2017. During the year 2003 to 2017, order book of world shipbuilding industry had witnessed CAGR of 0.72% and 2.43% on order in term of numbers of ships and gross tonnage respectively.

There are different types of ships built by any country. These are Tanker ships, Bulk carrier ships, Container ships, General cargo ships and Passenger ships. The maximum demand for ship building was Tanker ships (44.0%) followed by bulk carrier ships (37.2%), Container ships (16.9%) and General cargo ships (12.9%) shown in the chart X below.

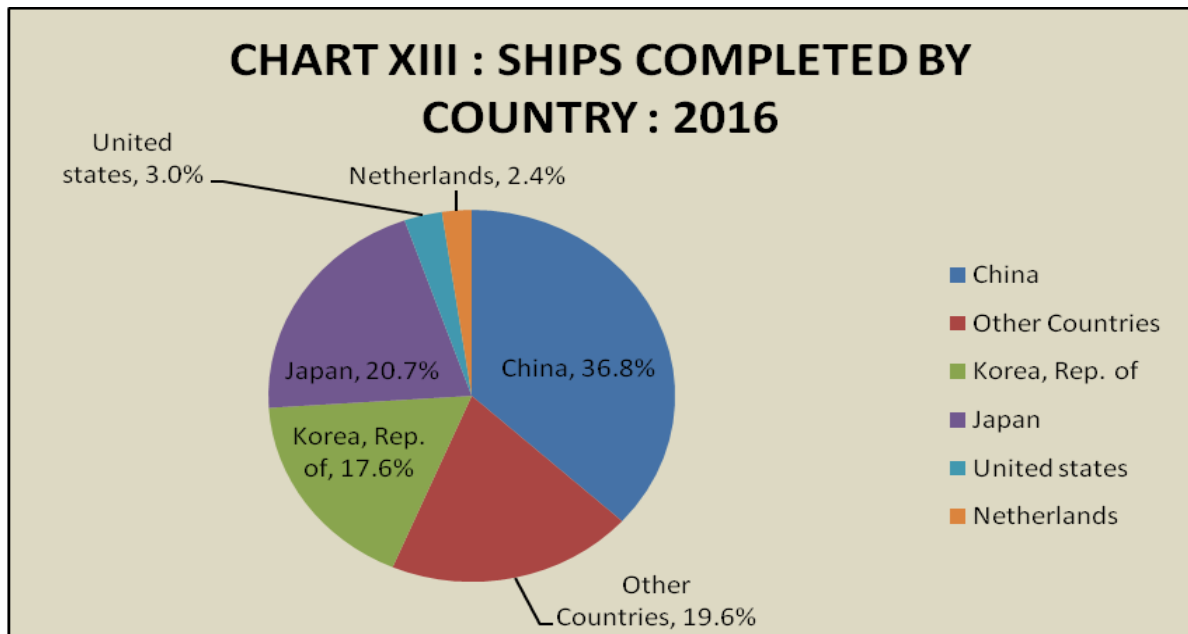
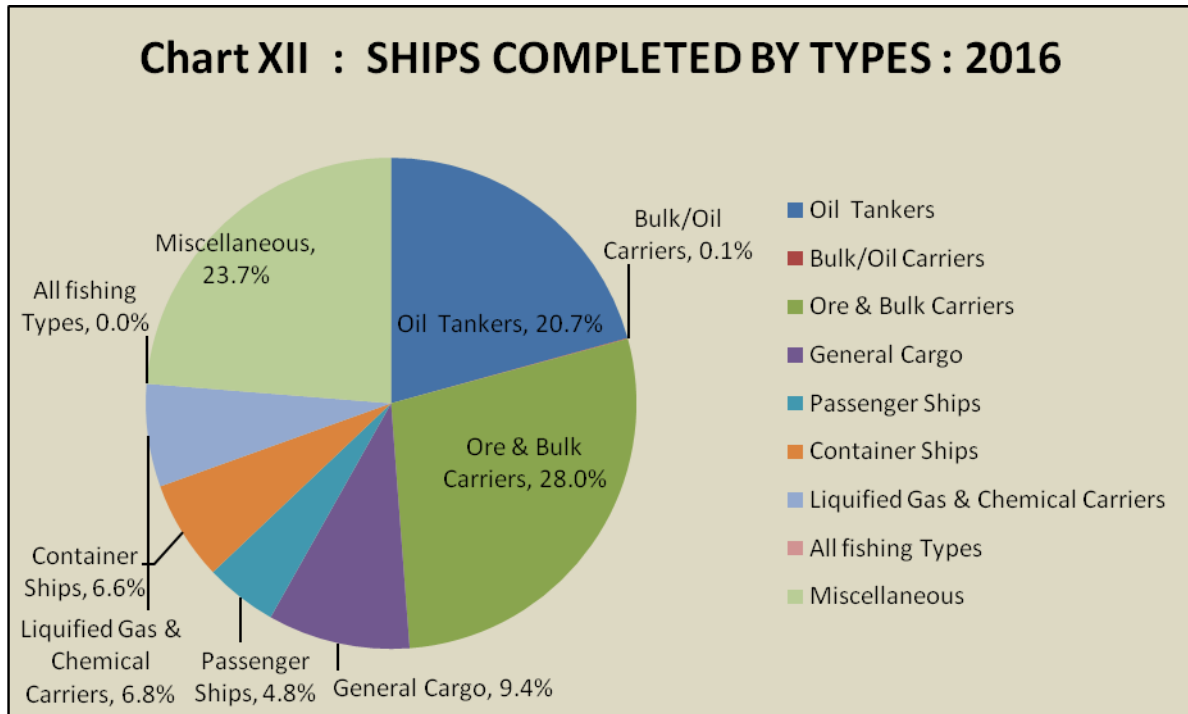


5.3 Tables 5.2 provide country-wise data on the ship order book position as on 1st July, 2017 and table 5.4 presents the country-wise ships completion during the year 2016. Country-wise percentage share of Ships on order during 2017 was given in chart XI below. Chart suggest that, China, Japan and Republic of Korea were the top three nations which accounted for a global share of 40%, 26% and 15% respectively in number of ships on order in 2017. China, Japan and Republic of Korea were the top three nations which accounted for a global share of 33.13%, 24.3% and 23% respectively in ships on order in terms of gross tonnage in 2017.



5.4 Country-wise number of ships built and delivered recorded in terms of gross tonnage (GT), were 66.78 million GT in 2016 (Table 5.4) reflecting a decrease of 1.26% over 67.63 million GT completed in 2015. In terms of number, the total number of ships completed decreased to 1994 units in 2016 from 2522 units in 2015 reflecting a decrease of 20.94%. Out of 66.78 million GT of ship delivered during 2016; the percentage share of Ore & Bulk Carriers was 38% (contributed 25.5 million GT in 2015) which was highest among the other types of ships delivered in the same year.

5.5 The different types of ships on order and delivered in the world may be seen from the following charts.



Other Countries: All excluding United States, Japan, Vietnam, China & Rep. of Korea for Chart XIII

Source: Shipping Statistics Yearbook 2017

Table No. 5.1

**World Ship-building - Ships On Order And Completed
During 1998 - 2017**

Year	Ships on Order *		Ships Completed @	
	No	1000 cgt	No	1000 gt
(1)	(2)	(3)	(4)	(5)
1998	1917	53416	1729	25334
1999	1752	52933	1564	27649
2000	1905	65147	1650	31766
2001	2055	74141	1695	31342
2002	1851	66778	1709	33557
2003	2248	49155	1731	36786
2004	2984	67965	1931	40586
2005	3948	91544	1993	47566
2006	4787	106205	2309	53529
2007	6045	125474	2611	57634
2008	8887	184010	3221	68477
2009	9501	191562	3432	78522
2010	7731	153869	3558	98477
2011	6525	130035	3434	103786
2012	4804	105047	3163	96565
2013	3589	81750	2403	71071
2014	3879	92729	2200	63876
2015	4195	103838	2522	67633
2016	3880	100531	1994	66783
2017	2944	78492	-	-
2017\$	2484	68808	-	-

Note: Figures of Ships on Order in the Table for the period 1998 to 2002 is as on 1st July and for the period 2003 onwards is as on 1st January.

* Ships of 300gt and Over.

@ Merchant Ships of 100gt and Over.

\$ As on 1st July,2017

Note: cgt-compensated gross tonnage, gt-gross tonnage

Source: Shipping Statistics Year Book 2017

Table No.5.2

**Ships on Order by Major Types and Country of Build
(As on 1st July, 2017)**

Ships of 300 gt. And above

S. No.	Country of Build	Tankers		Bulk Carriers		Container Ships		General Cargo Ships		Passenger Ships		Total	
		No.	1000 cgt	No.	1000 cgt	No.	1000 cgt	No.	1000 cgt	No.	1000 cgt	No.	1000 cgt
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1	China PR of	305	7084	259	6136	243	6887	151	2007	37	681	995	22795
2	Japan	257	7353	269	5093	62	3217	52	852	13	184	653	16699
3	Korea Rep.	307	12776	9	287	36	2366	14	387	2	44	368	15860
4	Italy	-	-	-	-	-	-	1	10	26	2659	27	2669
5	Germany	5	59	4	32	-	-	7	92	20	2259	36	2442
6	Phillipines	11	375	40	650	11	648	-	-	1	5	63	1678
7	Finland	1	16	-	-	-	-	-	-	9	1255	10	1271
8	France	-	-	-	-	-	-	-	-	8	1262	8	1262
9	Vietnam	29	563	6	81	1	3	4	15	4	29	44	691
10	Croatia	5	115	5	65	1	14	11	182	10	148	32	524
11	US	2	48	-	-	6	164	4	102	8	80	20	394
12	Brazil	13	273	-	-	3	61	-	-	-	-	16	334
13	Taiwan	-	-	-	-	17	327	-	-	-	-	17	327
14	Romania	5	118	-	-	-	-	2	9	10	172	17	299
15	Spain	4	121	-	-	-	-	-	-	3	91	7	212
16	Norway	-	-	-	-	-	-	-	-	15	186	15	186
17	Turkey	14	125	-	-	-	-	1	9	6	49	21	183
18	Russia	13	104	-	-	-	-	9	39	2	29	24	172
19	Indonesia	10	88	-	-	15	38	-	-	6	13	31	139
20	India	-	-	1	10	-	-	8	36	4	76	13	122
21	Others	15	130	7	59	1	18	27	153	17	190	67	550
	Total	996	29348	600	12413	396	13743	291	3893	201	9412	2484	68809

Note 1: cgt-compensated gross tonnage

Note 2: Data is not available as on 1st January, 2017

Source : Shipping Statistics Year book 2017

Table No. 5.3

Ships on order by Type During 2015-17

Ships of 300gt and over

Ship Type	2015		2016		2017	
	No of Ships	1000 cgt	No of Ships	1000 cgt	No of Ships	1000 cgt
(1)	(4)	(5)	(6)	(7)	(6)	(7)
Tankers	1337	37881	1411	41618	1094	31891
Bulk Carriers	1948	38378	1517	29188	925	18445
Container Ships	440	17012	455	18459	421	15543
General Cargo Ships	369	5685	378	5333	320	4551
Passenger Ships	101	4881	119	5933	184	8061
Grand Total	4195	103837	3880	100531	2944	78491

Note: Figures from the year 2015 to 2017 is as on 1st January.

Note: cgt-compensated gross tonnage

Source: Shipping Statistics Year Book 2017.

Table No. 5.4

**Merchant Ships Completed By Country Of Build
(2014-2016)**

(Ships of 100 gt & Over) (a)

S. No.	Country of Build	2014		2015		2016	
		No.	1000 gt	No.	1000 gt	No.	1000 gt
1	2	3	4	5	6	7	8
(1)	Croatia	6	38.0	7	74.0	13	74.0
(2)	Brazil	18	240.0	31	400.0	34	222.0
(3)	Denmark (b)	2	1.0	-	-	2	25
(4)	Finland	4	102.0	2	112.0	2	108.0
(5)	France	2	2.0	5	4.0	3	228.0
(6)	China, PR of	836	23033.0	934	25137.0	733	22458.0
(7)	Germany (c)	14	499.0	10	385.0	9	430.0
(8)	Italy	6	305.0	6	219.0	10	419.0
(9)	Korea, Rep. Of	321	21969.0	357	23178.0	351	25426.0
(10)	Japan	408	13365.0	518	13005.0	412	13363.0
(11)	Netherlands	40	131.0	33	88.0	47	174.0
(12)	Norway	38	256.0	20	53.0	17	161.0
(13)	Poland	10	46.0	33	67.0	6	37.0
(14)	Spain	13	31.0	27	38.0	13	53.0
(15)	Philippines	39	1865.0	40	1865.0	29	1171.0
(16)	United Kingdom	1	1.0	6	3.0	3	1.0
(17)	United States	72	219.0	75	427.0	60	350.0
(18)	Vietnam	49	352.0	88	590.0	30	414.0
(19)	Other Countries (d)	321	1425.0	330	1987	220	1669
	World Total	2200	63880	2522	67632	1994	66783

(a) Ships of 300 gt and over

(b) Includes Faeroes from 1987

(c) Figures for the Federal Republic of Germany include the former German Democratic Republic from 1990 onwards.

(d) Incomplete information for 1970-1992.

Note: gt-gross tonnage

Source : Shipping Statistics Year Book 2017.

Table No. 5.5

World Merchant Ships Completed By Principle Types (1988-2016)

(Ships of 100gt and over (a))

Year	Oil Tankers		Bulk/Oil Carriers(b)		Ore & Bulk Carriers		General Cargo(c),(e)		Passenger Ships	
	No.	1000gt	No.	1000gt	No.	1000gt	No.	1000gt	No.	1000gt
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1988	173	4131	2	207	50	2088	153	1790		
1989	161	5013	2	42	103	3844	309	1180		
1990	151	5079	-	-	123	5536	350	1598	125	826
1991	175	6782	9	619	78	3083	386	1556		
1992	253	9275	14	854	64	2527	337	1698		
1993	268	9592	5	242	89	3910	322	1418		
1994	183	5459	2	91	192	6368	322	1594		
1995	163	6104	-	-	258	8459	314	1511	102	974
1996	159	6281	3	195	272	9508	338	1661		
1997	92	3866	4	305	309	9950	342	1926		
1998	140	6599	-	-	206	6039	289	2929		
1999	172	10045	4	252	187	6749	274	3453		
2000	225	11611	-	-	183	6962	311	3565	87	1254
2001	183	8137	2	78	309	11101	202	1589		
2002	254	12771	-	-	225	7726	194	1828		
2003	434	16972	2	142	160	5935	276	2440		
2004	447	16036	-	-	246	10003	436	3374		
2005	480	17173	-	-	307	12016	470	3613	86	828
2006	520	14743	-	-	322	13517	526	4485	69	1220
2007 (e)	629	17746	-	-	329	13344	615	5128	93	1490
2008	791	21115	-	-	381	13289	740	6713	104	1707
2009	838	27316	1	162	645	23601	686	6557	94	1395
2010	677	23296	4	688	1019	43605	633	7296	96	1858
2011	570	22477	3	516	1201	53674	650	7982	98	1099
2012	505	18211	-	-	1199	53818	503	6446	82	1199
2013	396	12257	-	-	760	33558	340	4856	60	780
2014	311	9483	-	-	576	25509	254	4056	88	947
2015	326	10593	2	6	614	25979	221	3190	86	955
2016	413	18192	1	3	559	25467	187	2976	95	1475

World Merchant Ships Completed By Principle Types (1988-2016)

(Ships of 100gt and over (a))

Year	Container Ships(b)(d)		Liquified Gas & Chemical Carriers		All Fishing Types		Miscellaneous		Total	
	No.	1000gt	No.	1000gt	No.	1000gt	No.	1000gt	No.	1000gt
(1)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
1988	38	1473	55	153	576	380	362	583	1409	10805
1989	46	1247	97	653	518	377	363	881	1599	13237
1990	68	1655	117	789	498	334	365	894	1672	15885
1991	78	1910	131	963	367	238	350	945	1574	16096
1992	88	2173	125	883	231	197	394	1026	1506	18633
1993	92	2083	131	1137	229	137	424	1196	1560	19715
1994	142	3128	106	1333	160	137	359	736	1466	18846
1995	166	3706	106	1243	157	86	401	1128	1565	22237
1996	201	4591	149	1746	175	99	435	1448	1732	25529
1997	247	5761	124	1627	186	94	546	1300	1850	24829
1998	256	6034	150	1759	164	74	524	1900	1729	25334
1999	124	2929	133	2186	144	104	526	1930	1564	27648
2000	155	5271	67	2028	247	163	462	2075	1650	31675
2001	188	6980	51	616	262	124	498	2716	1695	31341
2002	201	7217	64	1521	140	73	631	2420	1709	33556
2003	178	6261	107	2608	137	96	194	2065	1488	36519
2004	181	7204	90	2687	161	102	155	1928	1716	41334
2005	271	10250	86	2686	123	50	256	1778	1993	47566
2006	372	14932	124	3768	75	51	370	2033	2309	53529
2007 (e)	399	14247	133	4381	41	31	465	2757	2611	57634
2008	434	16067	171	7928	33	37	671	3327	3221	68476
2009	276	11824	201	7242	34	36	751	1785	3432	78523
2010	265	14955	90	1714	37	36	833	6887	3558	98477
2011	191	13365	70	1714	25	25	724	4033	3434	103786
2012	209	13672	63	610	31	21	653	3786	3163	96564
2013	203	14503	67	2613	29	20	608	3265	2403	71072
2014	201	16130	104	4340	2	3	752	4355	2200	63876
2015	211	17406	115	5336	23	25	924	4144	2522	67634
2016	131	9475	135	6733	-	-	473	2461	1994	66782

(a) : Since 2007 all ships of 300 gt and over.

(b) : Incl. Ore/oil carriers.

(c) : Ships of 2000 gt. and over upto 1988.

(d) : 1989 to 2006 all ships of 100 gt. and over are included.

(e) : Since 2003 all ships of 300 gt and over.

Source : Shipping Statistics Year Book, 2017.

Note: gt-gross tonnage

Table No. 5.6

**Total Order Book - By Country of Build
(As on 1st July,2017)**

(Ships of 300 gt and over)

Country	2016			2017		
	Total Order Book			Total Order Book		
	No	1000 cgt	1000 dwt	No	1000 cgt	1000 dwt
1	2	3	4	5	6	7
China, PR of	1514	33720	119969	995	22795	74035
Croatia	36	618	752	32	524	597
Phillippines	87	2245	7354	63	1679	6150
Finland	7	735	60	10	1271	121
France	5	824	95	8	1262	96
Germany. FR of	28	2196	327	36	2241	367
Italy	22	1988	187	27	2668	233
Japan	952	21833	64843	653	16697	49085
Korea, Republic of	573	23548	63343	368	15860	43204
Netherlands	12	61	56	15	76	74
Poland	9	82	22	3	21	14
Romania	20	435	1952	17	299	527
Russia	27	137	217	24	172	171
Spain	7	166	654	7	212	649
Turkey	30	260	167	21	183	130
U.S	20	386	657	20	395	565
Other Countries	182	2634	6635	185	2453	4035
Total	3531	91868	267290	2484	68808	180053

Note: cgt-compensated gross tonnage, dwt-dead weight tonnage

Source: Shipping Statistics Year Book 2017

TERMINOLOGY USED IN SHIPPING

A. Terms Relating To a Ship

Ballast - Any material intended to provide stability to the ship when it is otherwise empty.

Bunker - Ship-space for storing fuel (Coal, Oil etc.).

Cargo Tonnage/Freight Ton - It refers to the earnings cargo carried by a ship and is expressed as either a weight or measurement. In the British countries the long tons of 2240 pounds for 40 cubic feet and under the metric system as in India, the metric tonne of 1000 Kg. for a cubic metre.

Dead Weight Tonnage (DWT) - It is the number of tons (2240 pounds) of stores, fuel and cargo that a ship can transport. This presents the actual carrying capacity of a ship.

Displacement Light - The weight of a ship without stores, bunker fuel, cargo, passengers and crew.

Displacement Loaded - The weight of a ship plus stores, bunker fuel, cargo, passengers and crew.

Draft - The depth necessary to submerge a ship to her load line.

Gross Registered Tonnage (GRT) - It applies to the vessel and not to cargo. It is the weight of the volume occupied by the closed – in – space of a ship taking 100 cubic feet of such closed-in-spaces as equivalent to one vessel ton. It thus refers to the cubic capacity of the vessels.

Lighterage - Loading into and discharging out of lighters.

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

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 cu. feet. = 1 ton) occupied by stores, fuel, machinery crew etc. and which does not represent the earning capacity of the ship.

Port Side - Left side of a ship.

Shipping Order - Authority given to a shipper to deliver the goods for loading.

Starboard Side - Right side of a ship.

B. TERMS RELATING TO TYPE OF SHIPS

Barge - A term applied to a flag officer's boat in naval usage, or to an elegantly fitted boat, or craft of ceremony propelled by oars or mechanically and reserved for the use of high officials when transported in State. In a legal sense a barge is usually held to be a boat or vessel and hence it is within the letter of the laws relating to such craft.

Bollard - Single or double cast steel post secured to a wharf or pier and used for mooring vessels by means of lines extending from the vessel and fastened to the wharf or pier.

Bollard Pull - The amount of pull exerted on a bollard of a ship.

Breaking Bulk - The commencing of discharging of cargo from ship.

Cargo Ship - A ship which is not a passenger ship

Coaster - A vessel specially designed, equipped, manned and licensed to engage regularly in the coasting trade, whether plying coast-wise or making short sea passage within certain specified geographical limits.

Coasting Ship - A ship exclusively employed in trading between any port or place in India and any other port or place in the continent of India or between ports or places in India and port or places in Sri Lanka, Bangladesh or Myanmar.

Collier - Generally a coastal ship designed to carry coal.

Craft - A term in marine parlance applied to every kind of vessels but more especially to small vessels when referred to collectively. For marine insurance purposes, a craft is any barge, lighter, river trades or any other boat or vessel employed in carrying, shipping or discharging the goods insured.

Dumb Barge - A barge which has no means of self propulsion in the way of sails or engine power and which has to be towed or is allowed to drift under the influence of the tide or current.

Fishing Vessel - A ship fitted with mechanical means of propulsion which is exclusively engaged in sea fishing for profit.

Foreign-Going Ship - A ship not being a home trade ship employed in trading between any port or place in India and any other port or place or between ports or places outside India.

Freighter - A ship designed to carry general cargo (with a limited passenger accommodation) operating on fixed routes with fixed sailing schedules and serving a group of ports.

Home-Trade Ship - A ship not exceeding three thousand tons gross which is employed in trading between any port or place in India and any other port or place in the continent of India or between ports or places in India and ports or places in Sri Lanka, Maldives Islands, Federation of Malaysia, Singapore, Bangladesh or Myanmar.

Hopper Barge - A steel or wooden barge with hopper doors employed in harbours and used for the disposal of mud, gravel, sand etc., taken from a dredger and then conveyed to a dumping ground where the cargo is discharged through the bottom; also called 'dump scow' and then conveyed to a dumping ground where the cargo is discharged through the bottom; also called 'dump scow'.

Inland Steam Vessel - A steam vessel which ordinarily plies on inland water.

Compensated Gross Tonnage (cgt) - Calculated by multiplying the tonnage of a ship by a coefficient, which is determined according to type and size of a particular ship. cgt is used as an indicator of volume of work that is necessary to build a gross ship.

Gross Tonnage (gt) - gt indicates that the ship has been measured in accordance with the requirements of the International Convention on Tonnage Measurement of Ships 1969 and is derived by formula in accordance with those requirements.

Lash - Lighter aboard ship.

Launch - A large, heavy and beamy ship's boat with flat floors and rather shallow draft, formerly used and designed for carrying stores and men.

Liner Ship - A ship that plies on regular scheduled services between groups of ports. The ships of a liner company are common carriers, offering cargo space or passenger accommodation to all shippers and passengers who require them. A liner company is generally engaged on trade-routes where large volume of cargo or passenger traffic is available.

Mooring Vessel - A vessel which is secured by moorings.

Ore/Oil and Bulk Carriers - A bulk cargo ship designed to carry ore and oil enabling it thereby to be loaded in both directions.

Passenger Liner - A ship or vessel employed in carrying passengers, mail and goods at stated intervals between regular ports.

Passenger Ship - A ship carrying more than twelve passengers.

Pilgrim Ship - A ship which makes a voyage to or from the Hedjaz during the season of the pilgrimage and which carries pilgrims in a proportion of not less than one pilgrim for every one hundred tons of the gross tonnage of the ship.

Reefer - A vessel with refrigerating facilities

Rig - The Rig of a vessel is the distinctive manner in which her masts and sails are disposed.

Roll On/Roll Off vessel - It is frequently called a vehicle FEERY. It is designed for the conveyance of road vehicles and private cars. At each terminal port, a tramp or linkspan is provided enabling the vehicles to drive on or off the vessels, thereby eliminating crane and cargo handling (and also pilferage) and permitting a quick turn round of the ship.

Sailing Vessel - Any description of vessel provided with sufficient sail area for navigation under sails alone - whether or not fitted with mechanical means of propulsion, and would include rowing boat or crane but does not include a pleasure craft.

Sea-going Vessel - A vessel proceeding to sea beyond inland water or beyond waters declared to be smooth or partially smooth by the Central Government by notification in the official Gazette.

Sponson - In a paddle-wheel-steamer, a small out board platform strongly bracketed to the side plating and supporting the paddle-wheel bearing.

Steam Vessel - Every description of vessel propelled wholly or in part by the agency of steam.

Survey Vessel - Mechanically propelled sea-going vessel specially built and equipped to carry out hydrographic and other nautical surveys in coastal waters and on the high seas. Surveying vessels are in most instances Government owned.

Tanker - A cargo ship constructed or adopted for carriage in bulk of liquid cargoes of an inflammable nature.

Tramp - A cargo ship operating in all ports of the world without a fixed route and sailing schedule in search of primarily bulk cargo carried generally in ship-loads.

Trawler - A sail or mechanically propelled vessel engaged in sea fisheries with a drag net, the most modern development of which is the otter trawl; also called dragger.

Tug Boat - A mechanically propelled vessel of small tonnage with little or no cargo capacity, used for towing or assisting vessels at sea, in or out of harbour, rivers, and docks, also for coastal or harbour towage of barges, lighters and other small craft; also called tow boat, tug.

Unberthed Passenger - A passenger of the age of twelve years or upwards for whom no separate accommodation in any cabin, state room or saloon is reserved. In the computation of passengers, two persons of the age of one year or upwards and under the age of twelve years shall be reckoned as one un-berthed passenger.

Unberthed Passenger Ship - A ship carrying more than thirty un-berthed passengers.
