



# **STATISTICS OF INDIA'S SHIP BUILDING AND SHIP REPAIRING INDUSTRY**

**2014-15**



**Government of India  
Ministry of Road Transport and Highways  
Transport Research Wing  
New Delhi**

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MINISTRY OF SHIPPING  
GOVERNMENT OF INDIA

## PREFACE

Transport Research Wing (TRW) in the Ministry of Road Transport & Highways 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 2014-15" gives information on India's Ship Building and Ship Repairing Industry.

The present volume consists of five sections and is designed to inform on developments on 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.

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.

11<sup>th</sup> April, 2016

(Rajive Kumar)

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## **ACRONYMS**

-	-	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
PCVs	-	Pollution Control vessels
OPVs	-	Offshore Patrol vessels
I V Barges	-	Inland Vessel Barges
LOA	-	Length Overall
APV	-	Advanced Patrol vessels
AHTS	-	Anchor handling Tug Supply vessels
CSL	-	Cochin Shipyard Limited
CCL	-	Chowgule & Co Ltd
HSL	-	Hindustan Shipyard Ltd.
BSPL/BSL	-	Bharati Shipyard Private Ltd.
BB	-	Bristol Boats
MDL	-	Mazagaon Dock Ltd
GRSE	-	Garden Reach Ship-Builders & Engineers Ltd.
ABGS	-	ABG shipyard Ltd.
AAL	-	Alcock Ashdown (Gujarat) Ltd.
HDPEL	-	Hooghly Dock & Port Engineers Ltd.
SWL	-	Shalimar Works Ltd.
GSL	-	Goa Shipyard Ltd.
TSL	-	Tebma Shipyard Ltd.
L & T	-	Larsen & Tourbo Ltd
PPV	-	Pipavav

\*\*\*\*\*

MIPL -	Modest Infrastructure Pvt. Ltd.
CSPL-	Chidambaranar Shipcare Pvt. Ltd
SKL-	Sembmarine Kakinada Ltd.

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# AN OVERVIEW

Shipbuilding Industry is a technology driven, skill and material intensive assembly operation. It draws upon a large number of services and utilities. The end product is a high value floating asset. Shipbuilding not only spawns industrial entrepreneurship but engenders industrial cluster development as the experience of Japan and Korea demonstrates. For nearly three decades in the post World War II era, shipbuilding industry was dominated by Europe and the US. Shipbuilding 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 People's Republic of 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.

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 7.45% of India's overseas trade during 2014-15. 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 31<sup>st</sup> march 2015, Indian shipping tonnage was 10.51 million Gross Registered Tonnage (GRT) with 1210 ships.

3. With the opening of Indian economy to globalization, 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 1.7% in 2014 (Source: WTO). 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 31 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 viz new ship building activities 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 12<sup>th</sup> 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 34 dry-docks for repairing ships in India both in public and private sector as per data reported. These dry docks include the 12 dry docks operated by 8 major ports. The major ports which have no dry-dock facilities are JNPT, New Mangalore, Chennai, Ennore, and Haldia Dock Complex of Kolkata Port.

## **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. 1<sup>st</sup> 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)**

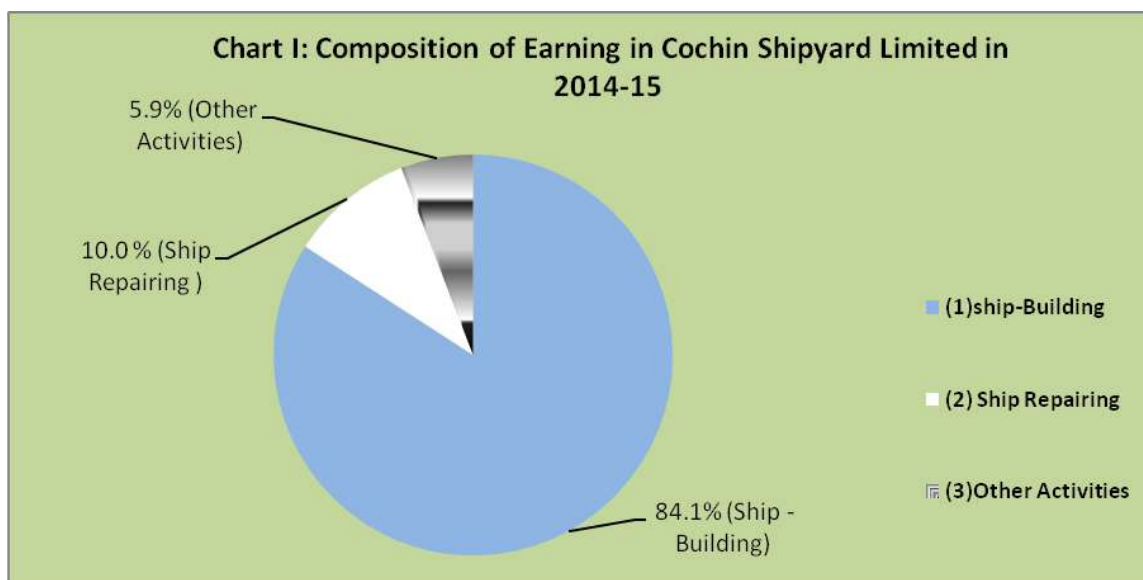
Cochin Shipyard is strategically located midway on the international sea route, connecting Europe, West Asia and the Pacific Rim. It has evolved into a builder of large size vessels in

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.

8.1.1 Some of the notable features and achievements of the shipyard are:

- This yard has capacity to build and repair large ships in India - shipbuilding – up to 1,10,000 DWT and Ship repair – upto 1, 25,000 DWT.
- Delivered two of India's largest double hull crude oil tankers each with 92,000 DWT capacity.
- CSL has been selected to construct the first indigenous Air Defence Ship for the Indian Navy. The steel cutting for the ship commenced in April 2005
- Yard has developed a complete 3D hull and outfit modeling of thirty thousand DWT Bulk carriers in Tribon.

8.1.2 The percentage shares of income earned by Cochin Shipyard Ltd. from ship building, ship repairing and other activities during 2014-15 are depicted in chart I.

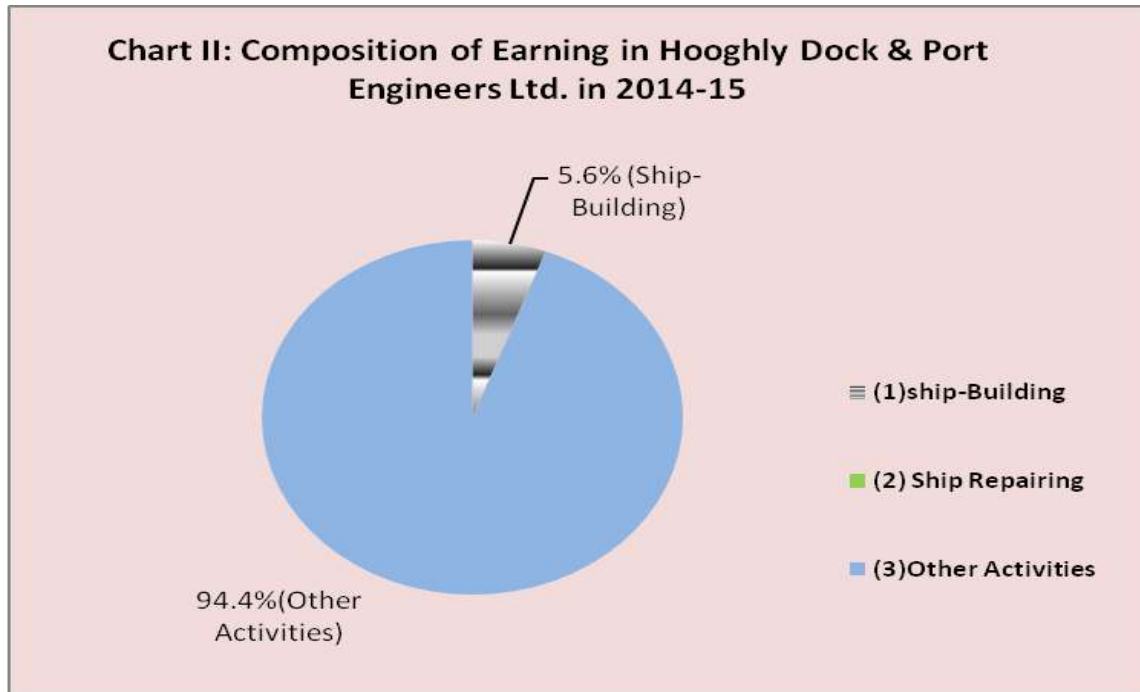


## **8.2. HOOGHLY DOCK & PORT ENGINEERS LIMITED, KOLKATA (HDPEL)**

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”

8.2.1 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). The company has two production units at Saikia and Nazirgunze in Kolkata.

8.2.2 The percentage shares of income earned by Hooghly Dock & Port Engineers Ltd. from ship building, ship repairing and other activities during 2014-15 are depicted in chart II.

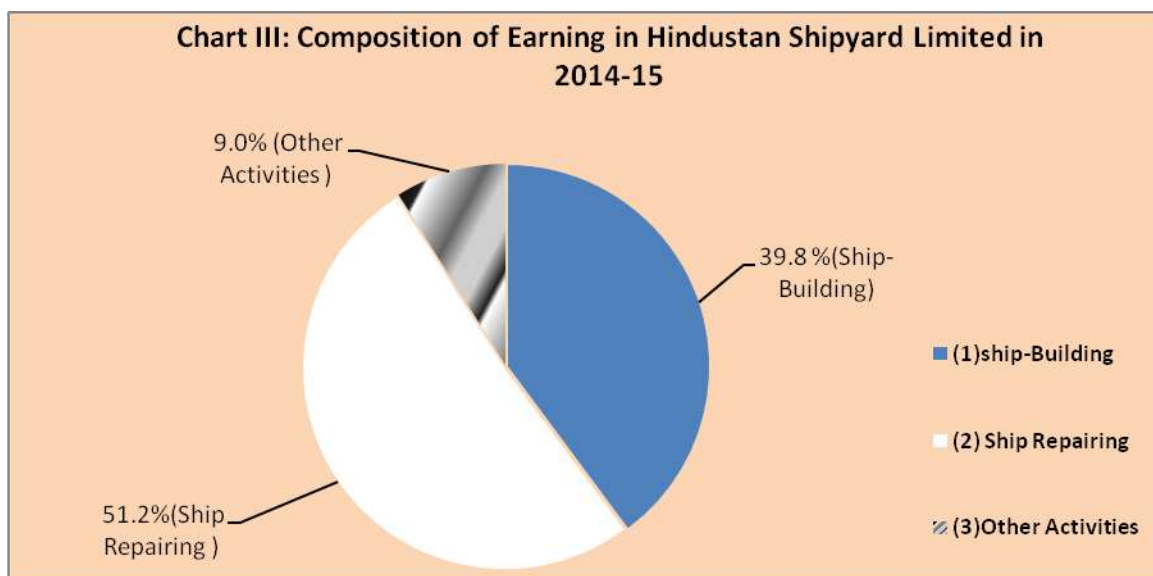


### 8.3 HINDUSTAN SHIPYARD LIMITED (HSL)

Hindustan Shipyard Limited is located in the east coast of the Indian peninsula, near Visakhapatnam. It is a premier ship building organisation engaged in ship building, ship repairs and offshore and onshore structures. It was established in the year 1941 by Scindia Steam Navigation Company. The Government of India took over the shipyard in the year 1952. Some of the unique features of this shipyard include:-

- This is the first shipyard in the country to obtain ISO-9001 accreditation for shipbuilding and structural fabrication
- Regularly imparts training to Graduate Engineers and Diploma holders as apprentices under Apprenticeship Act
- The yard has capacity to construct and repair ships up to 80,000 DWT each.

8.3.1 The percentage share of income earned by Hindustan Shipyard Ltd. during 2014-15 from ship building, ship repairing and other activities are shown in chart III.



## **9. NATIONAL SHIP DESIGN AND RESEARCH CENTRE, (NSDRC), VISAKHAPATNAM**

NSDRC is a Registered Society under the Registration of Societies Act XXI of 1860. In 1989, it came under the administrative control of the Ministry of Shipping is managed by a Governing Body with Secretary (Shipping) as the Chairman. The centre has become fully operational since May, 1993. NSDRC is designed to provide support to the Indian Shipbuilding Industry in the field of Ship Design, research in hydrodynamic structures, ocean water transport economy etc. The IMU Visakhapatnam Campus emerges from the confluence of the centrally established Indian Maritime University at Chennai, and the National Ship Design and Research Centre (NSDRC), India's premier ship design and maritime research institution. Pioneered in the early 90`s by the Government of India to pilot and consolidate national domain knowledge with global vision, NSDRC has undertaken several milestone projects in the areas of Ship Design, Construction and Applied Research. Therefore, IMU Visakhapatnam Campus heralds the integration of visionary academic insight with the accumulated professional expertise and knowledge base on Ship Design and Maritime Technology.

## **10. 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:

### **10.1 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 8<sup>th</sup> Plan eleven R&D projects have been executed under this scheme.

### **10.2 SUBSIDY AND BUDGETARY SUPPORT TO INDIAN SHIPBUILDING INDUSTRY**

(a) Prior to the introduction of the scheme of payment of subsidy directly to the Public Sector Shipyards in 1981, a “Pricing Policy” existed since 1971, as per which the price of the vessels built by Indian Public Sector Yards was fixed by the government based on the valuation made by three international valuers. This was called the “International Parity Price” where the ship-owner would pay the international price and an additional 5% of the above towards partial cost of import substitution. In addition, Government would also pay the yard 5% towards the price differential of certain major components. Ship owners would also pay escalation due to statutory rise of price of controlled items, variations in customs duty and increase in wages.

(b) In 1981, Government brought in a major change in the policy wherein a subsidy equivalent to 20% of the International Parity Price was payable directly to the shipyard and the ship owners paid an additional 10% of the international parity price towards partial cost of import substitution.

(c) In 1997, Government further amended the subsidy scheme, applicable to both domestic and export orders, as follows:

- (i) The yard was to participate in an open global tender and was to be permitted to match the lowest bid and in the case of a negotiated price the *modus operandi* was to be worked out by Ministry of Shipping in consultation with Ministry of Finance.
- (ii) Fixation of price was to be in US\$ /JPY and payment was to be in INR at the exchange rate applicable on the date of payment.
- (iii) Ships for which the import component was likely to exceed the price of the vessel would not be built indigenously.
- (iv) Indian owners were to be permitted to raise External Commercial Borrowings.
- (d) The above scheme was again further amended in 2002 extending the scheme to non-Central Public Sector shipyards and Private sector yards also with the stipulation that subsidy was to be calculated on the price at which the yard won the global tender and in case of price negotiation, a “Price Reasonableness Certificate” would have to be obtained from Director General of Shipping and based on which an “In Principle Approval” was to be issued by Ministry of Shipping. The Scheme was applicable up to August 14, 2007. The subsidy disbursed to Shipbuilding activity from 2000-01 to 2013-14 is presented in **Tables 1 and 2** below:-

<b>Table –1: Shipbuilding- Total Subsidy Disbursed in term of Public Vs Private sector</b> (Rupees in Crore)			
<b>Year</b>	<b>Public Shipyards</b>	<b>Private Shipyards</b>	<b>Total</b>
2000-01	15.0	Nil	15.0
2001-02	20.0	Nil	20.0
2002-03	25.36	Nil	25.36
2003-04	10.00	Nil	10.00
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

<b>Table- 2: Shipbuilding- Total Subsidy Disbursed in term of Domestic Vs Export order</b> (Rupees in Crore)			
<b>Year</b>	<b>Domestic Orders</b>	<b>Export Orders</b>	<b>Total</b>
2000-01	15.0	-	15.0
2001-02	20.0	-	20.0
2002-03	13.33	12.03	25.36
2003-04	Nil	10.00	10.00
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

## **11. STRUCTURE OF THE PUBLICATION**

The present publication provides an overview of the current status of the ship-building industry & ship-repairing industry under five sections. Section I gives a brief account of India's Ship Building capacity as on 31<sup>st</sup> March 2015. Section II contains information on Ship Repair Capacity of the Companies and Major Ports. This also contains Tables on Ship Repair Facilities available at Major Ports. Section III provides data on the employment in Ship Building/Ship Repairing. Section IV gives company-wise financial statistics. Section V provides global perspective on the shipbuilding industry followed by glossary and terminology of Shipbuilding and Ship repairing given in appendix.



## **Section-1**

# **INDIA'S SHIP-BUILDING INDUSTRY**

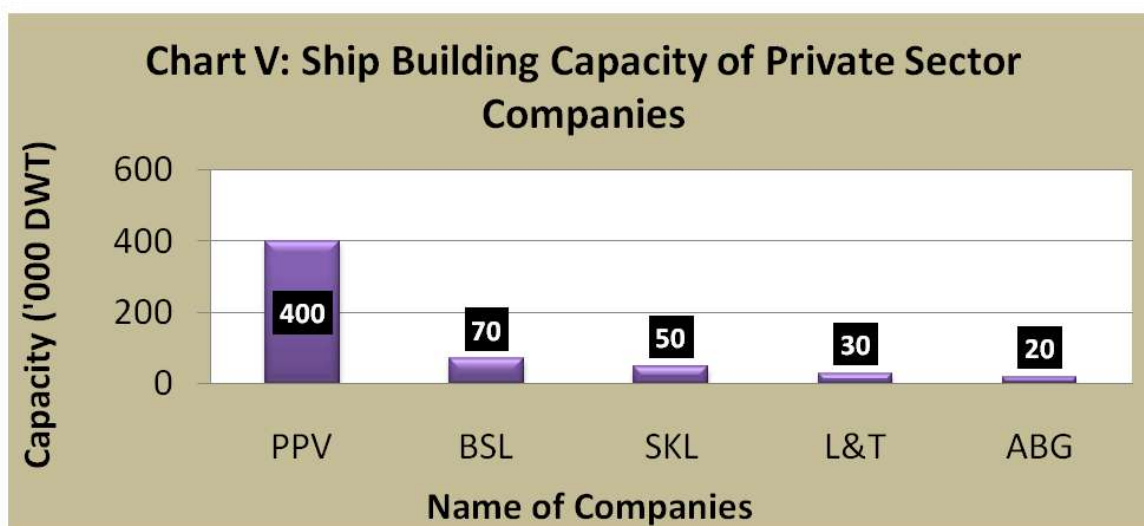
# INDIA'S SHIPBUILDING INDUSTRY

## 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 the public sector companies, Cochin Shipyard Ltd. possessed the maximum ship building capacity (110 thousand DWT) followed by Hindustan Shipyard Ltd. (80 thousand DWT) and Alcock Ashdown Ltd (15.00 thousand DWT). Charts IV and V present the ship building capacity (in terms of their DWT) of some of the big shipbuilding companies as on 31st March 2015 in public & private sector.





## SHIPS ON ORDER

1.3. Indian ship-building companies at the end of 2014-15 had orders of 292 ships with DWT 2688.79 thousand tonnes. As on 31<sup>st</sup> March, 2015 the public sector shipyards had orders of 93 ships of 122.0 thousand DWT. Out of these, 5 ships of 30.96 thousand DWT were export order and remaining were orders from domestic companies. In terms of numbers, Hindustan Shipyard Ltd had the highest number of ships on order (24) followed by Mazagon Dock Ltd. (17) and Garden Reach Ship-Building & Engineers Ltd. (15). Order book in terms of DWT was highest for Hindustan Shipyard Ltd. at 58.56 thousand DWT followed by Cochin Shipyard Ltd. with 30.00 thousand DWT and Mazagon Dock Ltd with 22.55 thousand DWT.

1.4. In private sector category as on 31<sup>st</sup> March, 2015, the shipyards had orders for 199 ships of total 2566.79 thousand DWT. Out of these, 52 ships with total capacity of 1353.73 thousand DWT were export orders. Amongst the reporting ship building companies in the private sector, ABG Shipyard Ltd. had the highest number of ships on order (64) with a total capacity of 1169.71 thousand DWT followed by Bharati Shipyard Ltd. (61) number of ships on order with a total capacity of 216.93 thousand DWT, Pipavav (42) with 1146.00 thousand DWT and Larsen & Toubro Ltd. (8) with 20.00 thousand DWT in 2014-15.

## COMPOSITION OF ORDER BOOK POSITION:

1.5. In the current order book, out of total 292 ships, 93 are with public sector yards and 199 are with private sector yards amounting to 122.00 thousand DWT and 2566.79 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 gives the Order Book with Indian Shipyards as on 31<sup>st</sup> March, 2015.

<b>Table- 3: Current Order Book By Types of Vessels</b> <b>(As on 31<sup>st</sup> March, 2015)</b> <b>(‘000 DWT)</b>							
Vessel Type Yards		Tankers	Dry Cargo	Bulk Cargo	Passengers	Others	Total
Public Sector	No.	3	-	1	8	81	93
	DWT	0.29	-	53.00	0.09	68.62	122.00
Private Sector	No.	-	20	40	2	137	199
	DWT	-	1143.40	1218.80	2.24	202.35	2566.79
Total	No.	3	20	41	10	218	292
	DWT	0.29	1143.40	1271.8	2.33	270.97	2688.79

## SHIPS DELIVERED

1.6. During the year 2014-15, among public sector companies, Garden Reach Ship-Builders & Engineers delivered highest tonnage with 85.0 thousand DWT consisting of 2 ships followed by Mazagon Dock Ltd at 10.70 thousand DWT (2 ships), and Cochin Shipyard Ltd. at 10.60 thousand DWT (7 ships). In the private sector, the highest tonnage was delivered by Pipavav of 76.50 thousand DWT (3 ships) followed by Tebma Shipyard Ltd. at 5.56 thousand DWT (4 ships). In terms of tonnage delivered, the public sector and private sector accounted for a share of 52.3 % (106.91 thousand DWT) and 47.7 % (97.69 thousand DWT) respectively in the total tonnage (204.60 thousand DWT) delivered during 2014-15.

1.7. Table number - 4 depicts the size and number of ships delivered by both public and private ship yards in India during 2013-14 and 2014-15.

<b>Table No. 4 : Size and Number of Ships Delivered</b>				
<b>Name of the Company</b>	<b>Ship Delivered</b>			
	<b>2013-14</b>		<b>2014-15</b>	
	<b>No.</b>	<b>DWT('000)</b>	<b>No.</b>	<b>DWT('000)</b>
(1)	(2)	(3)	(4)	(5)
<b>A. PUBLIC SECTOR (Total)</b>	<b>26</b>	<b>196.71</b>	<b>15</b>	<b>106.91</b>
1. Alcock Ashdown & Co. Ltd.	1	0.13	1	0.13
2. Cochin Shipyard Ltd.	10	19.70	7	10.60
3. Garden Reach Ship- Builders & Engineers	2	120	2	85
4. Goa Shipyard Ltd.	6	0.92	2	0.44
5. Hindustan Shipyard Ltd.	5	53.72	-	-
6. Hooghly Dock & Port Engineers Ltd.	-	-	-	-
7. Mazagon Dock Ltd.	-	-	2	10.70
8. Shalimar Works Ltd.	2	2.24	1	0.04
<b>B. PRIVATE SECTOR (Total)</b>	<b>30</b>	<b>212.98</b>	<b>24</b>	<b>97.69</b>
9. Dempo Shipbuilding & Engineering Ltd.	2	6.30	1	2.90
10. ABG Shipyard Ltd.	4	7.35	-	-
11. Bharati Shipyard Ltd.	2	6.21	4	0.64
12. Chowgule & Co. Ltd.	3	14.97	4	3.10
13. Ferromar Shipping Pvt. Ltd.	-	-	-	-
14. Vedanta Ltd.	1	-	-	-
15. A.C. Roy & Comp. Ltd.	-	-	3	1.49
16. Bristol Boats	3	20.10	-	-
17. Tebma Shipyard Ltd.	6	7.55	4	5.56
18. Larsen & Toubro Ltd.	6	...	2	5.00
19. N.N. Shipbuilders & Engineers Ltd.	...	...	...	...
20. Pipavav	3	150.50	3	76.50
21. Modest Infrastructure Pvt. Ltd.	...	...	3	2.5
22. Chidambaranar Shipcare Pvt. Ltd.	...	...	...	...
23. Modest Infrastructure Pvt. Ltd.	...	...	...	...
<b>Grand Total (A + B)</b>	<b>56</b>	<b>409.69</b>	<b>39</b>	<b>204.60</b>

**Table No. 1.1**

**Ship Building Capacity of the Company By Types & Size**  
**(As on 31st March, 2015)**

No.	Name of the company	Type of vessel/ship	Max.Size/Capacity			
			Length (Mts.)	Width (Mts.)	Draft (Mts.)	DWT ('000)
(1)	(2)	(3)	(4)	(5)	(6)	(7)

**A. PUBLIC SECTOR**

1	Alcock Ashdown (Gujarat) Ltd.(AAL)	(a) Bulk Carrier	130.00	20.00	8.70	15.00
		(b) Tankers	130.00	20.00	8.70	15.00
		(c) Tugs/Barges/OSV	63.00	14.60	4.00	1.20
2	Cochin Shipyard Ltd.(CSL)	All types of vessels	255.00	43.00	9.00	110.00
3	Garden Reach Ship-Builders & Engineers Ltd.* (GRSE)	(a) Anti-submarine warfare corvettes	109.10	14.17	3.90	0.55
		(b) Mauritius offshore patrol vessel	74.10	11.40	3.50	0.41
		(c) Inshore patrol vessel	48.90	7.50	2.20	0.06
		(d) Landing craft utility	62.90	11.00	1.70	0.21
		(e) Water Jet Fast Attack	48.90	7.50	2.20	0.06
4	Goa Shipyard Ltd.(GSL)	Advanced Offshore Petrol 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, medium sized sophisticated vessels	125.00	22.00	5.00	10.00
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	67.00	12.50	4.00	1.20
		b) Dredger/Passengers/Light Ship	90.00	16.00	4.50	3.00
		c) Work accommodation Boat	24.00	8.00	1.50	0.06
		d) Cargo/Tug/Traveler	30.00	12.00	4.50	-
7	Mazagaon Dock Ltd.(MDL)	-	Annual capacity is 0.97 EFU (Effective Frigate Unit)			
8	Shalimar Works Ltd.(SWL)	Barge/Ferry craft	65.00	12.00	3.50	1.20

Table No. 1.1 (Contd..)

**Ship Building Capacity of the Company By Types & Size**  
(As on 31st March, 2015)

Sl. No.	Name of the company	Type of vessel/ship	Max.Size/Capacity			
			Length (Mts.)	Width (Mts.)	Draft (Mts.)	DWT ('000)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>B. PRIVATE SECTOR</b>						
9	Dempo Shipbuilding & Engineering Pvt Ltd.(DSEL)	(a) MBC/Barges/Hopper Barges/Crane Barges/Pontoons (b) Tugs/Dredger (c) Pilot Launches	100.00 60.00 25.00	20.00 14.00 8.00	3.50 3.50 2.50	5.50 - -
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 vehicle.	150.00	22.00	8.50	20.00
11	Bharati Shipyard Ltd.(BSL)	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.	110.00 110.00 90.00 60.00	18.00 18.00 16.00 16.00	3.30 3.30 3.30	8.00 6.00 - -
13	Ferromar Shipping Pvt. Ltd. (FSL) ®	I.R.S Type- Strengthened for heavy cargo Bureau Veritas- Strengthened for heavy cargo	70.00 64.00	13.00 11.50	1.20 1.20	2.00 1.20
14	Vedanta Limited **	All types of vessels	80.00	15.00	9.10	-
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
16	Bristol Boats(BB)	(a) FRP Petrol Crafts (b) Others	20.00 12.00	5.00 4.00	4.00 3.50	0.05 0.02
17	Tebma Shipyard Ltd. (TSL)	Offshore Vessels (PSV, MPSV, AHTs), Geo Technical Survey Vessels, Harbour crafts all type Tugs, Dredgers, Launches, Barges, Ferries, Cargo Vessels	125.00	22.00	6.00	12.00

**Table No. 1.1 (Contd..)****Ship Building Capacity of the Company By Types & Size  
(As on 31st March, 2015)**

Sl. No.	Name of the company	Type of vessel/ship	Max.Size/Capacity			
			Length (Mts.)	Width (Mts.)	Draft (Mts.)	DWT ('000)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>B. PRIVATE SECTOR (Contd.)</b>						
18	Larsen & Toubro Limited(L&T)	a) Offshore :PSV,DSV,AHTS b) Chemical Tankers c) LPG Tankers d) Offshore & sub-sea construction vessels e) Dredgers CSD/TSHD f) River Sea Vessels-RSV	80.00 200.00 180.00 160.00 105.00 160.00	18.00 30.00 30.00 27.00 19.00 27.00	6.00 15.00 15.00 9.50 5.00 8.00	3.50 30.00 25.00 18.00 6.00 15.00
19	N N Shipbuilders and Engineers Pvt. Ltd(NNSE)	a)Tugs b) Pontoons c) Ferry/Barges	40.00 40.00 30.00	10.00 12.00 10.00	2.30 4.00 2.30	- - -
20	Pipavav(PPV)	Cargo Ships, Naval Vessels and Submarines Offshore Vessels, Rigs, Platforms & Others i.e. Dredgers Passenger vessels etc.	350.00	63.00	-	400.00
21	Modest Infrastructure Pvt. Ltd. (MIPL)	a) Fuel Barge/Oil Tanker b) Multi Purpose Vessel c) Product Tanker d) Cement Carrier e) Ferry Craft f) Tug g) Offshore Survey Vessel h) Auxiliary Vessel i) Dredger j) Offshore Dumb Barge	58.00 72.00 60.00 78.00 72.00 33.00 59.20 80.00 27.00 72.00	11.00 13.00 12.00 13.50 12.80 11.50 15.00 13.00 12.00 20.00	3.00 2.50 3.20 3.00 2.80 4.10 2.50 2.80 2.50 3.50	0.50 0.80 1.00 2.20 200 men Bollard Pull- 65 T - - 1250 m3/hr 3.50
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

\* It includes information of Rajabagan Dockyard of CIWTC Ltd. which was merged with Garden Reach ship-builders & Engineers Ltd. w.e.f. 1.7.2006.

@ Empreiteiros Gerais Pvt. Ltd. merged with Ferromar Shipping Pvt. Ltd. w.e.f. 16.4.2010.

\*\* Formerly known as Sesa Sterlite Ltd. / Sesa Goa Ltd.



**Table No. 1.2****Ship Building Capacity - By Company-wise  
(2011-12 to 2014-15)**

('000 DWT)

Name of The Company	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)

**A. PUBLIC SECTOR**

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 Li	0.60	0.55	0.55	0.55
4. Goa Shipyard Ltd.	4.50	4.50	4.50	10.00
5. Hindustan Shipyard Ltd.	70.00	80.00	80.00	80.00
6. Hooghly Dock & Port Engineers Ltd.	12.00	12.00	12.00	12.00
7. Mazagon Dock Ltd.	...	...	...	...
8. Shalimar Works Ltd.	1.20	1.20	1.20	1.20

**B. PRIVATE SECTOR**

9. Dempo Shipbuilding and Engineering Ltd.	5.50	5.50	5.50	5.50
10. ABG Shipyard Ltd.	20.00	20.00	20.00	20.00
11. Bharati Shipyard Ltd.	70.00	70.00	70.00	70.00
12. Chowgule & Co. Ltd.	5.65	7.00	8.00	8.00
13. Ferromar Shipping Pvt. Ltd. @	3.00	3.00	3.00	2.00
14. Vedanta Ltd. *	-	-	-	-
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. Larsen & Toubro Ltd.	...	...	65.00	30.00
19. N N Shipbuilders And Engineers Pvt Ltd	-	-	-	-
20. Pipavav	400.00	400.00	400.00	400.00
21. Modest Infrastructure Pvt. Ltd.	...	...	...	3.50
22. Chidambaranar Shipcare Pvt. Ltd.	...	...	...	...
23. Sembmarine Kakinada Ltd.	...	...	...	50.00

@ Empreiteiros Gerais Pvt. Ltd. merged with Ferromar Shipping Pvt. Ltd. w.e.f. 16.4.2010.

\* Formerly Sesa Goa/Sesa Sterlite Ltd.

Table No. 1.3

## Ship Order Book Position by Type of Vessels

(As on 31st March, 2015)

('000 DWT)

Name of Company	Type of Ship on Domestic Order (A - For Sea Going Vessels)											
	Tanker		Dry Cargo		Bulk Carriers		Passenger/Passenger -cum-Cargo Ships		Product Carriers		Other	
	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

**A. Public Sector**

1. Alcock Ashdown (Gujarat) Ltd.	-	-	-	-	-	-	-	-	-	-	5	1.11
2. Cochin Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
3. Garden Reach Ship-builders and Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	15	3.27
4. Goa Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-	6	2.77
5. Hindustan Shipyard Ltd.	-	-	-	-	1	53.00	-	-	-	-	12	4.22
6. Hooghly Dock & Port Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
7. Mazagon Dock Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
8. Shalimar Works Ltd.	3	0.29	-	-	-	-	8	0.09	-	-	-	-
<b>Total</b>	<b>3</b>	<b>0.29</b>	<b>0</b>	<b>0.00</b>	<b>1</b>	<b>53.00</b>	<b>8</b>	<b>0.09</b>	<b>0</b>	<b>0.00</b>	<b>38</b>	<b>11.37</b>

**B. Private Sector**

9. Dempo Shipbuilding & Engineering Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
10.ABG Shipyard Ltd.	-	-	-	-	34	1098.80	-	-	-	-	4	4.15
11.Bharati Shipyard Ltd.	-	-	-	-	-	-	2	2.24	-	-	1	3.70
12.Chowgule Shipping Ltd.	-	-	-	-	-	-	-	-	-	-	3	-
13.Ferromar Shipping Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
14.Vedanta Ltd. *	-	-	-	-	-	-	-	-	-	-	-	-
15. A.C. Roy & Co. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
16.Bristol Boats	-	-	-	-	-	-	-	-	-	-	-	-
17.Tebma Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
18.Larsen & Toubro Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
19. N N Shipbuilders and Engineers Pvt Ltd	-	-	-	-	-	-	-	-	-	-	4	-
20. Pipavav	-	-	-	-	-	-	-	-	-	-	20	18.00
21. Modest Infrastructure Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
22. Chidambaranar Shipcare Pvt. Ltd.	...	...	...	...	...	...	...	...	...	...	...	...
23. Sembmarine Kakinada Ltd. * *	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>34</b>	<b>1098.80</b>	<b>2</b>	<b>2.24</b>	<b>0</b>	<b>0.00</b>	<b>32</b>	<b>25.85</b>
<b>Total (A + B)</b>	<b>3</b>	<b>0.29</b>	<b>0</b>	<b>0.00</b>	<b>35</b>	<b>1151.80</b>	<b>10</b>	<b>2.33</b>	<b>0</b>	<b>0.00</b>	<b>70</b>	<b>37.22</b>

Table No. 1.3 (Contd.)

**Ship Order Book Position by Type of Vessels**  
(As on 31st March, 2015)

('000 DWT)

Name of Company	Type of Ship on Domestic Order (B - For Other Crafts)										Total (A + B)	
	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
1	14	15	16	17	18	19	20	21	22	23	24	25

**A. Public Sector**

1. Alcock Ashdown (Gujarat) Ltd.	-	-	-	-	-	-	-	-	-	-	5	1.11
2. Cochin Shipyard Ltd.	-	-	-	-	-	-	-	-	6	-	6	0.00
3. Garden Reach Ship-builders and Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	15	3.27
4. Goa Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-	6	2.77
5. Hindustan Shipyard Ltd.	2	0.44	-	-	-	-	-	-	9	0.90	24	58.56
6. Hooghly Dock & Port Engineers Ltd.	-	-	-	-	-	-	4	2.40	-	-	4	2.40
7. Mazagon Dock Ltd.	-	-	-	-	-	-	-	-	17	22.55	17	22.55
8. Shalimar Works Ltd.	-	-	-	-	-	-	-	-	-	-	11	0.38
<b>Total</b>	<b>2</b>	<b>0.44</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>4</b>	<b>2.40</b>	<b>32</b>	<b>23.45</b>	<b>88</b>	<b>91.04</b>

**B. Private Sector**

9. Dempo Shipbuilding & Engineering Ltd.	-	-	-	-	-	-	-	-	-	-	0	0.00
10.ABG Shipyard Ltd.	-	-	-	-	26	66.76	-	-	-	-	64	1169.71
11.Bharati Shipyard Ltd.	-	-	-	-	1	2.00	-	-	31	3.21	35	11.15
12.Chowgule Shipping Ltd.	-	-	-	-	-	-	-	-	-	-	3	0.00
13.Ferromar Shipping Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	0	0.00
14.Vedanta Ltd. *	-	-	-	-	-	-	-	-	-	-	0	0.00
15. A.C. Roy & Co. Ltd.	-	-	-	-	-	-	-	-	9	1.18	9	1.18
16.Bristol Boats	-	-	-	-	-	-	-	-	-	-	0	0.00
17.Tebma Shipyard Ltd.	2	0.36	...	...	...	...	...	...	1	0.56	3	0.92
18.Larsen & Toubro Ltd.	-	-	-	-	-	-	-	-	-	...	0	0.00
19. N N Shipbuilders and Engineers Pvt Ltd	-	-	-	-	-	-	-	-	-	-	4	0.00
20. Pipavav	-	-	-	-	7	10.50	-	-	-	-	27	28.50
21. Modest Infrastructure Pvt. Ltd.	-	-	-	-	-	-	-	-	2	1.60	2	1.60
22. Chidambaranar Shipcare Pvt. Ltd.	...	...	...	...	...	...	...	...	...	...	0	0.00
23. Sembmarine Kakinada Ltd. **	-	-	-	-	-	-	-	-	-	-	0	0.00
<b>Total</b>	<b>2</b>	<b>0.36</b>	<b>0</b>	<b>0.00</b>	<b>34</b>	<b>79.26</b>	<b>0</b>	<b>0.00</b>	<b>43</b>	<b>6.55</b>	<b>147</b>	<b>1213.06</b>
<b>Total (A + B)</b>	<b>4</b>	<b>0.80</b>	<b>0</b>	<b>0.00</b>	<b>34</b>	<b>79.26</b>	<b>4</b>	<b>2.40</b>	<b>75</b>	<b>30.00</b>	<b>235</b>	<b>1304.10</b>

Table No. 1.3 (Contd.)

**Ship Order Book Position by Type of Vessels**  
(As on 31st March, 2015)

('000 DWT)

Name of Company	Type of Ship on Export Order (A - For Sea Going Vessels)											
	Tanker		Dry Cargo		Bulk Carriers		Passenger/Passenger -cum-Cargo Ships		Product Carriers		Other	
	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

**A. Public Sector**

1. Alcock Ashdown (Gujarat) Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
2. Cochin Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
3. Garden Reach Ship-builders and Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
4. Goa Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-	4	0.96
5. Hindustan Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
6. Hooghly Dock & Port Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
7. Mazagon Dock Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
8. Shalimar Works Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>4</b>	<b>0.96</b>

**B. Private Sector**

9. Dempo Shipbuilding & Engineering Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
10.ABG Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
11.Bharati Shipyard Ltd.	-	-	5	25.90	6	120.00	-	-	4	25.00	-	-
12.Chowgule Shipping Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
13.Ferromar Shipping Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
14.Vedanta Ltd. *	-	-	-	-	-	-	-	-	-	-	-	-
15. A.C. Roy & Co. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
16.Bristol Boats	-	-	-	-	-	-	-	-	-	-	-	-
17.Tebma Shipyard Ltd.	...	...	...	...	...	...	...	...	...	...	3	10.45
18.Larsen & Toubro Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
19. N N Shipbuilders and Engineers Pvt Ltd	-	-	-	-	-	-	-	-	-	-	-	-
20. Pipavav	-	-	15	1117.50	-	-	-	-	-	-	-	-
21. Modest Infrastructure Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
22. Chidambaranar Shipcare Pvt. Ltd.	...	...	...	...	...	...	...	...	...	...	...	...
23. Sembmarine Kakinada Ltd. **	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>0</b>	<b>0.00</b>	<b>20</b>	<b>1143.40</b>	<b>6</b>	<b>120.00</b>	<b>0</b>	<b>0.00</b>	<b>4</b>	<b>25.00</b>	<b>3</b>	<b>10.45</b>
<b>Total (A + B)</b>	<b>0</b>	<b>0.00</b>	<b>20</b>	<b>1143.40</b>	<b>6</b>	<b>120.00</b>	<b>0</b>	<b>0.00</b>	<b>4</b>	<b>25.00</b>	<b>7</b>	<b>11.41</b>

Table No. 1.3 (Contd.)

Ship Order Book Position by Type of Vessels  
(As on 31st March, 2015)

('000 DWT)

Name of Company	Type of Ship on Export Order (B - for Other Crafts)										Total (A+B)	
	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		
1	12	13	14	15	16	17	18	19	20	21	22	23

**A. Public Sector**

1. Alcock Ashdown (Gujarat) Ltd.	-	-	-	-	-	-	-	-	-	-	0	0
2. Cochin Shipyard Ltd.	-	-	-	-	-	-	-	-	1	30.00	1	30.00
3. Garden Reach Ship-builders and Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	0	0.00
4. Goa Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-	4	0.96
5. Hindustan Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-	0	0
6. Hooghly Dock & Port Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	0	0
7. Mazagon Dock Ltd.	-	-	-	-	-	-	-	-	-	-	0	0
8. Shalimar Works Ltd.	-	-	-	-	-	-	-	-	-	-	0	0
<b>Total</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>1</b>	<b>30.00</b>	<b>5</b>	<b>30.96</b>

**B. Private Sector**

9. Dempo Shipbuilding & Engineering Ltd.	-	-	-	-	-	-	-	-	-	-	0	0
10.ABG Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-	0	0
11.Bharati Shipyard Ltd.	-	-	-	-	11	34.88	-	-	-	-	26	205.78
12.Chowgule Shipping Ltd.	-	-	-	-	-	-	-	-	-	-	0	0
13.Ferromar Shipping Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	0	0
14.Vedanta Ltd. *	-	-	-	-	-	-	-	-	-	-	0	0
15. A.C. Roy & Co. Ltd.	-	-	-	-	-	-	-	-	-	-	0	0
16.Bristol Boats	-	-	-	-	-	-	-	-	-	-	0	0
17.Tebma Shipyard Ltd.	...	...	...	...	...	...	...	...	...	...	3	10.45
18.Larsen & Toubro Ltd.	-	-	-	-	8	20.00	-	-	-	-	8	20.00
19. N N Shipbuilders and Engineers Pvt Ltd	-	-	-	-	-	-	-	-	-	-	0	0
20. Pipavav	-	-	-	-	-	-	-	-	-	-	15	1117.50
21. Modest Infrastructure Pvt. Ltd.	-	-	-	-	-	-	-	-	-	-	0	0.00
22. Chidambaranar Shipcare Pvt. Ltd.	...	...	...	...	...	...	...	...	...	...	0	0.00
23. Sembmarine Kakinada Ltd. **	-	-	-	-	-	-	-	-	-	-	0	0.00
<b>Total</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>19</b>	<b>54.88</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>52</b>	<b>1353.73</b>
<b>Total (A + B)</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>19</b>	<b>54.88</b>	<b>0</b>	<b>0.00</b>	<b>1</b>	<b>30.00</b>	<b>57</b>	<b>1384.69</b>

\* Formerly known as Sesa Sterlite Ltd. / Sesa Goa Ltd.

\*\* Being new facility which is commissioned this year all orders are in tendering stage.

**Table No.  
1.3(Contd.)**

**Total Ship Order Book of Vessels by Domestic Order and  
by Export Order (As on 31st March, 2015)**

**('000 DWT)**

Name of Company	Domestic Order		Export Order		Total Ship Order	
	No. of Ships	DWT	No. of Ships	DWT	No. of Ships (Col. 2 + Col. 4)	DWT (Col. 3 + Col. 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.	6	0.00	1	30.00	7	30.00
3. Garden Reach Ship-builders and Engineers Ltd.	15	3.27	0	0.00	15	3.27
4. Goa Shipyard Ltd.	6	2.77	4	0.96	10	3.73
5. Hindustan Shipyard Ltd.	24	58.56	0	0.00	24	58.56
6. Hooghly Dock & Port Engineers Ltd.	4	2.40	0	0.00	4	2.40
7. Mazagon Dock Ltd.	17	22.55	0	0.00	17	22.55
8. Shalimar Works Ltd.	11	0.38	0	0.00	11	0.38

<b>Total</b>	<b>88</b>	<b>91.04</b>	<b>5</b>	<b>30.96</b>	<b>93</b>	<b>122.00</b>
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**B. Private Sector**

9. Dempo Shipbuilding & Engineering Ltd.	0	0.00	0	0.00	0	0.00
10.ABG Shipyard Ltd.	64	1169.71	0	0.00	64	1169.71
11.Bharati Shipyard Ltd.	35	11.15	26	205.78	61	216.93
12.Chowgule Shipping Ltd.	3	0.00	0	0.00	3	0.00
13.Ferromar Shipping Pvt. Ltd.	0	0.00	0	0.00	0	0.00
14.Sesa Goa Ltd.	0	0.00	0	0.00	0	0.00
15. A.C. Roy & Co. Ltd.	9	1.18	0	0.00	9	1.18
16.Bristol Boats	0	0.00	0	0.00	0	0.00
17.Tebma Shipyard Ltd.	3	0.92	3	10.45	6	11.37
18.Larsen & Toubro Ltd.	-	-	8	20.00	8	20.00
19. N N Shipbuilders and Engineers Pvt Ltd	4	0.00	0	0.00	4	0.00
20. Pipavav	27	28.50	15	1117.50	42	1146.00
21. Modest Infrastructure Pvt. Ltd.	2	1.60	-	-	2	1.60
22. Chidambaranar Shipcare Pvt. Ltd.	-	-	-	-	0	0.00
23. Sembmarine Kakinada Ltd.	-	-	-	-	0	0.00

<b>Total</b>	<b>147</b>	<b>1213.06</b>	<b>52</b>	<b>1353.73</b>	<b>199</b>	<b>2566.79</b>
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<b>Total (A + B)</b>	<b>235</b>	<b>1304.10</b>	<b>57</b>	<b>1384.69</b>	<b>292</b>	<b>2688.79</b>
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**Table No. 1.4****No. of Ships on Order - Company-wise  
2012-2015**

Name of the Company	As on 31st March			
	2012	2013	2014	2015
(1)	(2)	(3)	(4)	(5)
<b>A. PUBLIC SECTOR (Total)</b>	<b>134</b>	<b>132</b>	<b>101</b>	<b>93</b>
1. Alcock Ashdown (Gujarat) Ltd.	6	5	5	5
2. Cochin Shipyard Ltd.	30	25	15	7
3. Garden Reach Ship-Building & Engineers Ltd.	19	19	17	15
4. Goa Shipyard Ltd.	12	19	9	10
5. Hindustan Shipyard Ltd.	22	29	24	24
6. Hooghly Dock & Port Engineers Ltd.	13	6	6	4
7. Mazagaon Dock Ltd.	17	15	13	17
8. Shalimar Works Ltd.	15	14	12	11
<b>B. PRIVATE SECTOR (Total)</b>	<b>271</b>	<b>219</b>	<b>249</b>	<b>199</b>
9. Dempo Shipbuilding and Engg. Ltd.	11	3	0	0
10. ABG Shipyard Ltd.	86	87	66	64
11. Bharati Shipyard Ltd.	65	64	61	61
12. Chowgule & Co. Ltd.	0	1	9	3
13. Ferromar Shipping Pvt. Ltd.@	1	1	0	0
14. Sesa Goa Ltd.	0	0	0	0
15. A.C.Roy & Co. Ltd.	4	1	3	9
16. Bristol Boats	9	3	0	0
17. Tebma Shipyard Ltd.	15	12	6	6
18. Larsen & Toubro Limited	40	10	55	8
19. N N Shipbuilders and Engineers Pvt Ltd	4	4	4	4
20. Pipavav	36	33	45	42
21. Modest Infrastructure Pvt. Ltd.	-	-	-	2
22. Chidambaranar Shipcare Pvt. Ltd.	-	-	-	0
23. Sembmarine Kakinada Ltd.	-	-	-	0
<b>C. Total (A + B)</b>	<b>405</b>	<b>351</b>	<b>350</b>	<b>292</b>

@ Empreiteiros Gerais Pvt. Ltd. merged with Ferromar Shipping Pvt. Ltd. w.e.f. 16.4.2010.

**Table No. 1.5****Size And Number Of Ships Delivered, Company-wise  
(2011-12 to 2014-15)**

Name of the Company	Year	Ship Delivered		Size ('000 DWT)	
		No.	DWT('000)	Maximum	Minimum
(1)	(2)	(3)	(4)	(5)	(6)
<b>A. PUBLIC SECTOR (Total)</b>	<b>2014-15</b>	<b>15</b>	<b>106.91</b>		
	<b>2013-14</b>	<b>26</b>	<b>196.71</b>		
	<b>2012-13</b>	<b>31</b>	<b>258.59</b>		
	<b>2011-12</b>	<b>18</b>	<b>353.44</b>		
1. Alcock Ashdown (Gujarat) Ltd.	2014-15	1	0.13	0.13	0.13
	2013-14	1	0.13	0.13	0.13
	2012-13	1	0.13	0.13	0.13
	2011-12	-	-	-	-
2. Cochin Shipyard Ltd.	2014-15	7	10.60	4.00	1.10
	2013-14	10	19.70	4.00	1.10
	2012-13	6	16.12	4.00	2.00
	2011-12	5	18.00	4.00	2.00
3. Garden Reach Ship-Builders and Engineers Ltd.	2014-15	2	85.00	45.00	40.00
	2013-14	2	120.00	60.00	60.00
	2012-13	4	240.00	60.00	60.00
	2011-12	5	276.00	60.00	52.00
4. Goa Shipyard Ltd.	2014-15	2	0.44	0.44	0.004
	2013-14	6	0.92	0.43	0.002
	2012-13	15	1.04	0.43	0.002
	2011-12	3	0.10	0.10	0.00
5. Hindustan Shipyard Ltd.	2014-15	-	-	-	-
	2013-14	5	53.72	53.00	0.06
	2012-13	1	0.18	0.18	0.18
	2011-12	3	53.24	53.00	0.06
6. Hooghly Dock & Port Engineers Ltd.	2014-15	-	-	-	-
	2013-14	-	-	-	-
	2012-13	1	-	-	-
	2011-12	1	-	-	-
7. Mazagon Dock Ltd.	2014-15	2	10.70	7.30	3.40
	2013-14	-	-	-	-
	2012-13	2	-	-	-
	2011-12	1	6.10	6.10	6.10
8. Shalimar Works Ltd.	2014-15	1	0.04	0.04	0.04
	2013-14	2	2.24	1.12	1.12
	2012-13	1	1.12	1.12	1.12
	2011-12	-	-	-	-



**Table No. 1.5**  
**Contd...**

**Size And Number Of Ships Delivered, Company-wise**  
**(2011-12 to 2014-15)**

Name of the Company	Year	Ship Delivered		Size ('000 DWT)	
		No.	DWT('000)	Maximum	Minimum
(1)	(2)	(3)	(4)	(5)	(6)
<b>B. PRIVATE SECTOR (Total)</b>	<b>2014-15</b>	<b>24</b>	<b>97.69</b>		
	<b>2013-14</b>	<b>30</b>	<b>212.98</b>		
	<b>2012-13</b>	<b>45</b>	<b>188.55</b>		
	<b>2011-12</b>	<b>48</b>	<b>313.35</b>		
9. Dempo Shipbuilding & Engineering Ltd.	2014-15	1	2.90	2.90	2.90
	2013-14	2	6.30	3.15	3.15
	2012-13	11	21.90	2.20	1.50
	2011-12	11	17.50	3.00	1.70
10. ABG Shipyard Ltd.	2014-15	-	-	-	-
	2013-14	4	7.35	2.50	1.20
	2012-13	5	38.90	32.00	1.50
	2011-12	15	98.30	32.00	0.10
11. Bharati Shipyard Ltd.	2014-15	4	0.64	0.21	0.02
	2013-14	2	6.21	4.11	2.10
	2012-13	6	19.16	5.00	Neg.
	2011-12	4	6.10	2.00	0.10
12. Chowgule & Co. Ltd.	2014-15	4	3.10	1.55	1.54
	2013-14	3	14.97	6.00	3.32
	2012-13	4	20.05	5.65	4.75
	2011-12	4	19.50	5.60	4.40
13. Ferromar Shipping Pvt. Ltd.	2014-15	-	-	-	-
	2013-14	-	-	-	-
	2012-13	1	1.20	1.20	0.00
	2011-12	1	1.20	1.20	0.00
14. Vedanta Ltd.*	2014-15	-	-	-	-
	2013-14	1	-	-	-
	2012-13	1	-	-	-
	2011-12	2	5.00	2.50	2.50
15. A.C.Roy & Comp. Ltd.	2014-15	3	1.49	1.44	0.03
	2013-14	-	-	-	-
	2012-13	2	0.24	0.12	0.12
	2011-12	1	0.15	0.15	0.15
16. Bristol Boats	2014-15	-	-	-	-
	2013-14	3	20.10	6.70	6.70
	2012-13	6	6.70	6.70	6.70
	2011-12	1	6.70	6.70	6.70

**Table No. 1.5**  
**Contd...**

**Size And Number Of Ships Delivered, Company-wise**  
**(2011-12 to 2014-15)**

Name of the Company	Year	Ship Delivered		Size ('000 DWT)	
		No.	DWT('000)	Maximum	Minimum
(1)	(2)	(3)	(4)	(5)	(6)
17. Tebma Shipyard Ltd.	2014-15	4	5.56	4.65	0.36
	2013-14	6	7.55	4.65	2.90
	2012-13	5	2.90	2.90	2.90
	2011-12	3	2.90	2.90	2.90
18. Larsen & Toubro Limited	2014-15	2	5.00	2.50	2.50
	2013-14	6	...	...	...
	2012-13	...	...	...	...
	2011-12	3	7.00	7.00	7.00
19. N N Shipbuilders and Engineers Pvt Ltd	2014-15	...	...	...	...
	2013-14	...	...	...	...
	2012-13	1	...	...	...
	2011-12	1	...	...	...
20. Pipavav	2014-15	3	76.50	73.50	1.50
	2013-14	3	150.50	74.50	1.50
	2012-13	3	77.50	74.50	1.50
	2011-12	2	149.00	74.50	74.50
21. Modest Infrastructure Pvt. Ltd. **	2014-15	3	2.50	1.50	0.50
22. Chidambaranar Shipcare Pvt. Ltd. **	2014-15	...	...	...	...
23. Sembmarine Kakinada Ltd. ** #	2014-15	-	-	-	-
<b>C. Grand Total (A + B)</b>	<b>2014-15</b>	<b>39</b>	<b>204.60</b>		
	<b>2013-14</b>	<b>56</b>	<b>409.69</b>		
	<b>2012-13</b>	<b>76</b>	<b>447.14</b>		
	<b>2011-12</b>	<b>66</b>	<b>666.79</b>		

\* Formerly Sesa Sterlite Ltd./Sesa Goa Ltd.

\*\* Included for the first time

# Being new facility which is commissioned this year all orders are in tendering stage.

**Table No. 1.6****No. Of Ships On Order And Number Of Ships Delivered -  
Company-wise (2011-12 to 2014-15)**

Name of The Company	No. of Ships On Order During the year				Ships Delivered During the year			
	2011-12	2012-13	2013-14	2014-15	2011-12	2012-13	2013-14	2014-15
1	2	3	4	5	6	7	8	9
<b>A. PUBLIC SECTOR</b>	<b>134</b>	<b>132</b>	<b>101</b>	<b>93</b>	<b>18</b>	<b>31</b>	<b>26</b>	<b>15</b>
1. Alcock Ashdown (Gujarat) Ltd.	6	5	5	5	-	1	1	1
2. Cochin Shipyard Ltd.	30	25	15	7	5	6	10	7
3. Garden Reach Shipbuilders & Eng. L	19	19	17	15	5	4	2	2
4. Goa Shipyard Ltd.	12	19	9	10	3	15	6	2
5. Hindustan Shipyard Ltd.	22	29	24	24	3	1	5	-
6. Hooghly Dock & Port Engineers Ltd.	13	6	6	4	1	1	-	-
7. Mazagon Dock Ltd.	17	15	13	17	1	2	-	2
8. Shalimar Works Ltd.	15	14	12	11	-	1	2	1
<b>B. PRIVATE SECTOR</b>	<b>271</b>	<b>219</b>	<b>249</b>	<b>199</b>	<b>48</b>	<b>45</b>	<b>30</b>	<b>24</b>
9. Dempo Shipbuilding & Engg. Ltd.	11	3	0	0	11	11	2	1
10. ABG Shipyard Ltd.	86	87	66	64	15	5	4	-
11. Bharati Shipyard Ltd.	65	64	61	61	4	6	2	4
12. Chowgule & Co. Ltd.	0	1	9	3	4	4	3	4
13. Ferromar Shipping Pvt. Ltd. ®	1	1	0	0	1	1	-	-
14. Vedanta Ltd. **	0	0	0	0	2	1	1	-
15. A.C.Roy & Comp. Ltd.	4	1	3	9	1	2	-	3
16. Bristol Boats	9	3	0	0	1	6	3	-
17. Tebma Shipyard Ltd.	15	12	6	6	3	5	6	4
18. Larsen & Toubro Limited	40	10	55	8	3	-	6	2
19. N N Shipbuilders and Engineers Pvt	4	4	4	4	1	1	-	-
20. Pipavav <sup>#</sup>	36	33	45	42	2	3	3	3
21. Modest Infrastructure Pvt. Ltd. *	-	-	-	2	-	-	-	3
22. Chidambaranar Shipcare Pvt. Ltd. *	-	-	-	0	-	-	-	-
23. Sembmarine Kakinada Ltd. *	-	-	-	0	-	-	-	-
<b>TOTAL( A+B)</b>	<b>405</b>	<b>351</b>	<b>350</b>	<b>292</b>	<b>66</b>	<b>76</b>	<b>56</b>	<b>39</b>

® Empreiteiro Gerais Pvt. Ltd. merged with Ferromar Shipping Pvt. Ltd. w.e.f. 16.4.2010.

# Vessel deliveries are scheduled to commence in F.Y. 2011-12

\* Included for the first time

\*\* Formerly Sesa Goa/Sesa Sterlite Ltd.

**Table No. 1.7****No. Of Ships - By Keel Laid, Launched And Ships Under Construction, Company-wise (2011-12 to 2014-15)**

Name of The Company	Year	No. of Ships			
		Keel-laid	Launched	Under Construction at Berth	Under Fitting at Jetty Quay
(1)	(2)	(3)	(4)	(5)	(6)
<b>A. PUBLIC SECTOR</b>					
1. Alcock Ashdown (Gujarat) Ltd.	2014-15	5	-	5	-
	2013-14	5	-	5	-
	2012-13	5	-	5	-
	2011-12	-	-	-	-
2. Cochin Shipyard Ltd.	2014-15	1	2	-	3
	2013-14	2	4	-	-
	2012-13	18	3	-	6
	2011-12	25	2	-	3
3. Garden Reach Ship-building & Engineers Ltd.	2014-15	5	3	2	3
	2013-14	4	2	1	5
	2012-13	1	4	1	2
	2011-12	4	4	2	1
4. Goa Shipyard Ltd.	2014-15	2	2	7	2
	2013-14	3	-	2	4
	2012-13	2	-	-	3
	2011-12	-	-	-	6
5. Hindustan Shipyard Ltd.	2014-15	3	-	-	4
	2013-14	3	-	1	3
	2012-13	2	-	-	5
	2011-12	6	-	-	6
6. Hooghly Dock & Port Engineers Ltd.	2014-15	4	-	4	-
	2013-14	4	-	4	-
	2012-13	4	-	4	-
	2011-12	10	-	4	-
7. Mazagon Dock Ltd.	2014-15	-	-	-	-
	2013-14	3	3	1	-
	2012-13	-	3	-	-
	2011-12	-	-	3	3
8. Shalimar Works Ltd.	2014-15	-	-	5	2
	2013-14	2	-	5	2
	2012-13	1	-	5	4
	2011-12	2	-	6	2
<b>B. PRIVATE SECTOR</b>					
9. Dempo Shipbuilding & Engineering Ltd.	2014-15	-	-	-	-
	2013-14	-	-	-	1
	2012-13	3	-	-	-
	2011-12	9	1	-	1
10. ABG Shipyard Ltd.	2014-15	-	-	-	-
	2013-14	-	-	-	-
	2012-13	-	-	-	-
	2011-12	-	-	-	-

**Table No. 1.7(Contd....)****No. Of Ships - By Keel Laid, Launched And Ships Under Construction, Company-wise (2011-12 to 2014-15)**

Name of The Company	Year	No. of Ships			
		Keel-laid	Launched	Under Construction at Berth	Under Fitting at Jetty Quay
(1)	(2)	(3)	(4)	(5)	(6)
11. Bharati Shipyard Ltd.	2014-15	-	4	39	9
	2013-14	-	-	39	7
	2012-13	12	4	43	9
	2011-12	4	6	38	15
12. Chowgule & Co. Ltd.	2014-15	2	4	6	-
	2013-14	7	2	5	-
	2012-13	1	-	-	1
	2011-12	8	4	2	2
13. Ferromar Shipping Pvt. Ltd. ®	2014-15	-	-	-	-
	2013-14	-	-	-	-
	2012-13	1	-	-	-
	2011-12	1	-	-	-
14. Vedanta Ltd. #	2014-15	-	-	-	-
	2013-14	-	-	-	-
	2012-13	-	-	-	-
	2011-12	-	-	-	-
15. A. C. Roy & Comp. Ltd.	2014-15	6	-	-	6
	2013-14	3	-	-	3
	2012-13	1	-	-	1
	2011-12	4	-	4	-
16. Bristol Boats	2014-15	-	-	-	-
	2013-14	-	-	-	-
	2012-13	-	-	3	-
	2011-12	-	-	5	-
17. Tebma Shipyard Ltd.	2014-15	2	1	1	-
	2013-14	2	2	2	-
	2012-13	7	2	8	-
	2011-12	5	3	7	-
18. Larsen & Toubro Limited	2014-15	4	3	4	3
	2013-14	6	-	-	2
	2012-13	4	-	-	-
	2011-12	2	1	5	2
19. N N Shipbuilders and Engineers Pvt Ltd	2014-15	...	...	4	...
	2013-14	...	...	4	...
	2012-13	...	...	4	...
	2011-12	...	...	4	...
20. Pipavav	2014-15	-	-	-	-
	2013-14	-	-	-	-
	2012-13	-	-	-	-
	2011-12	-	-	-	-
21. Modest Infrastructure Pvt. Ltd. *	2014-15	2	1	1	4
22. Chidambaranar Shipcare Pvt. Ltd. *	2014-15	..	..	..	..
23. Sembmarine Kakinada Ltd. * \$	2014-15	-	-	-	-

® Empreiteiros Pvt. Ltd. merged with Ferromar Shipping Pvt. Ltd. w.e.f. 16.4.2010.

# Formerly Sesa Sterlite Ltd./ Sesa Goa Ltd.

\* Included for the first time

\$ Being new facility which is commissioned this year all orders are in tendering stage

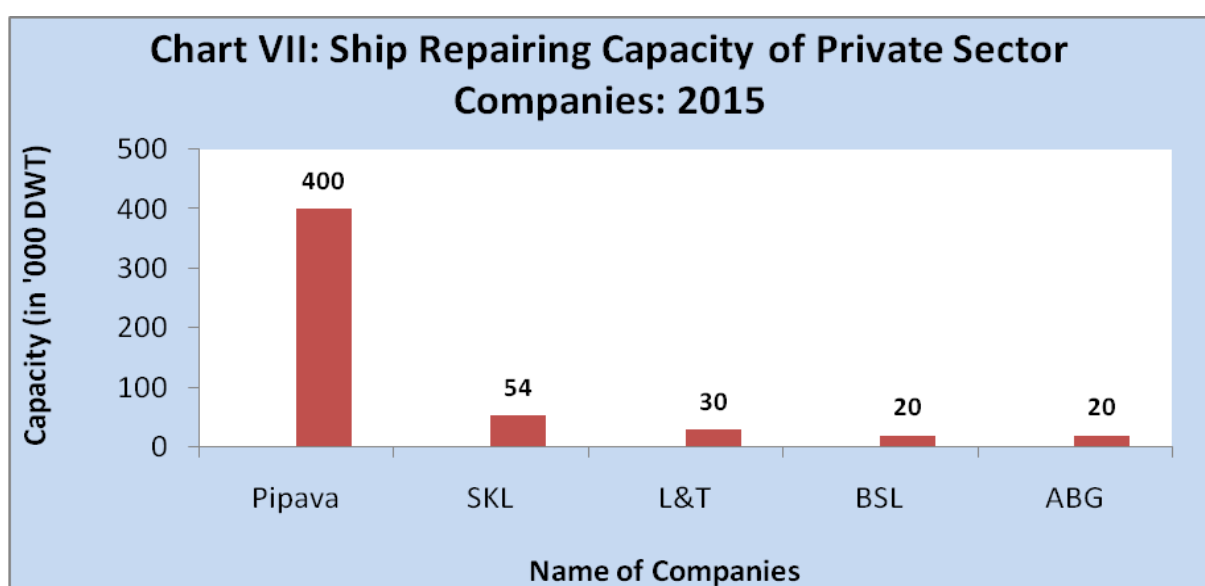
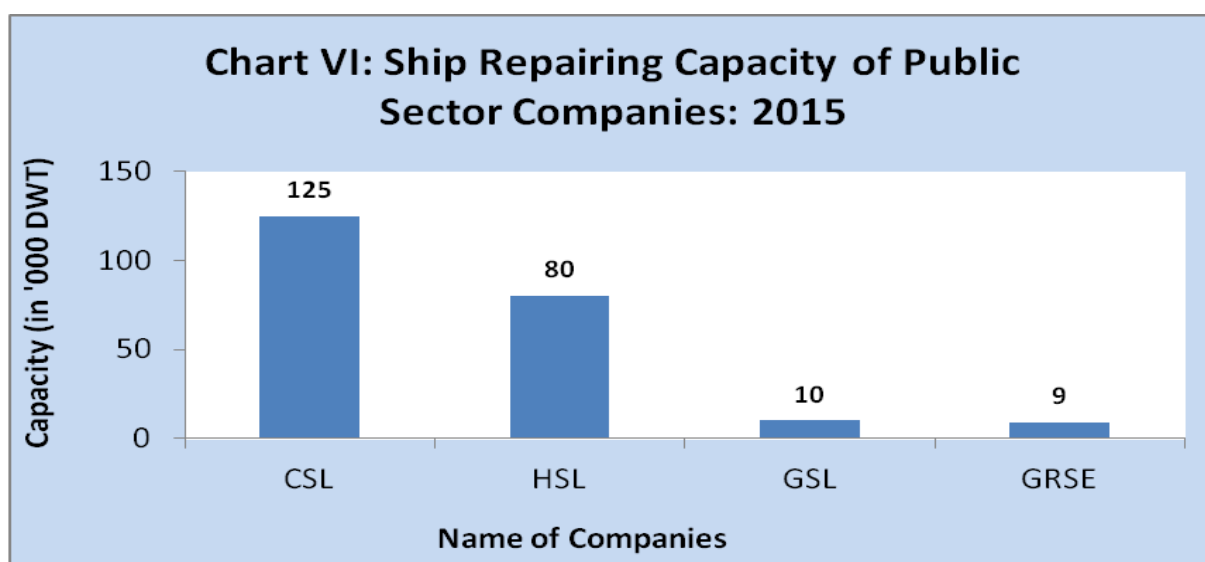
## **Section-2**

# **INDIA'S SHIP-REPAIRING INDUSTRY**

## 2. INDIA'S SHIP-REPAIRING INDUSTRY

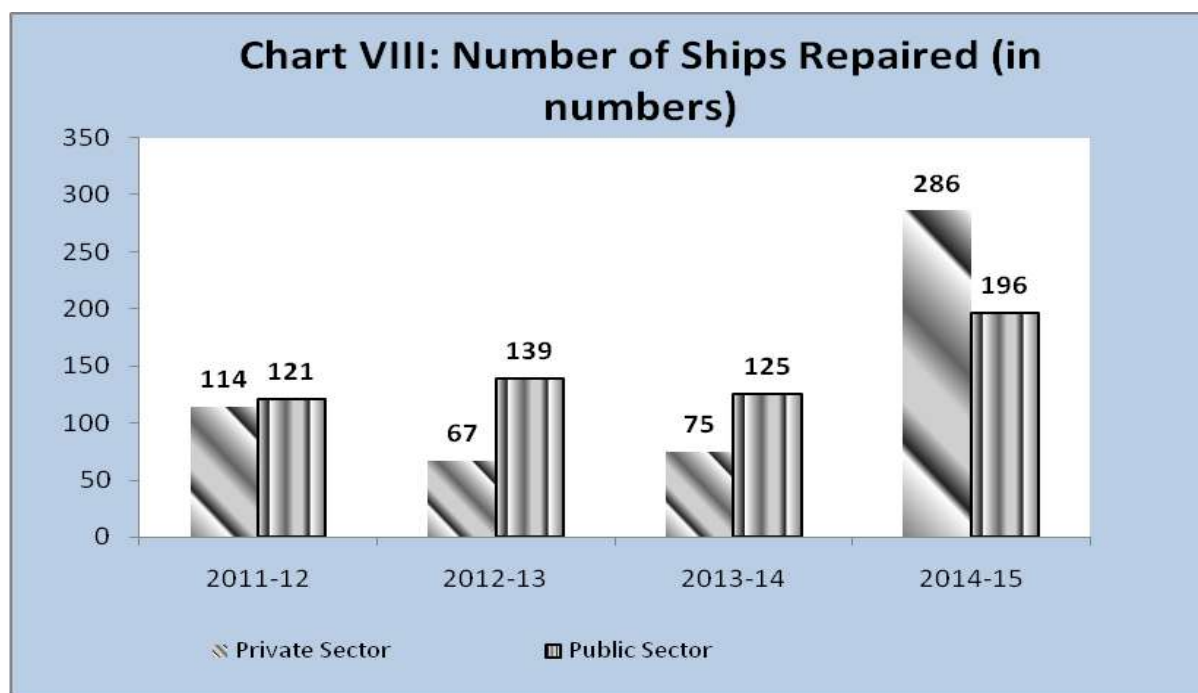
2.1. Ship repair capacity essentially reflects capability in terms of the number of ships repaired and maximum size of ship that can be repaired in terms of DWT.

2.2. Amongst public sector companies, Cochin Shipyard Ltd had the highest capacity for ship repairing (125 thousand DWT) followed by Hindustan Shipyard Ltd. (80 thousand DWT) and Goa Shipyard Ltd (10 thousand DWT) in 2014-15. In private sector category, Pipavav had the highest capacity for ship repairing (400 thousand DWT) followed by Sembmarine Kakinada Ltd (54 thousand DWT) and Larsen & Toubro Ltd. (30 thousand DWT) whereas Bharati Shipyard Ltd. & ABG Shipyard Ltd. had 20 thousand DWT ship-repairing capacities each. Charts VI & VII depict the ship repairing capacity of major public and private sector shipbuilding yards as on 31<sup>st</sup> March 2015.



## NUMBER OF SHIPS REPAIRED

2.3. In 2014-15 total 482 ships were repaired by private (286 ships) and public (196 ships) sector shipyards against 200 in 2013-14. Chart–VIII given below depicts comparative picture of the number of ships repaired by all public and private sector shipbuilding yards during 2011-12 to 2014-15.



2.4. In 2014-15 amongst the Public sector, Cochin Shipyard Ltd had repaired the highest number of ships (158 ships with earning of Rs. 195.95 crore) followed by Goa Shipyard Ltd. (19 ships with earning Rs 102.96 crore). In the private sector, Chidambaranar Shipcare Pvt. Ltd. had the highest number of ships repaired (155 ships with earning Rs 14.06 crore) followed by Sembmarine Kakinada Ltd. (31 ships repaired with an earning of Rs 57.56 crore), Larsen & Toubro Ltd. (31 ships repaired with an earning of Rs 44.82 crore) and A.C. Roy & Co.Ltd Ltd (26 ships repaired with an earning of Rs 1.55 crore)



2.5. Table Number -5 given below depicts the number of ships repaired and earnings by both public and private ship yards in India during 2013-14 and 2014-15.

Table No. 5 : Number of Ships Repaired and Earnings												
Name of The Company	2013-14						2014-15					
	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)
<b>A. PUBLIC SECTOR (Total)</b>	<b>123</b>	<b>35400.75</b>	<b>2</b>	<b>191</b>	<b>125</b>	<b>35591.75</b>	<b>195</b>	<b>31544.20</b>	<b>1</b>	<b>2779.54</b>	<b>196</b>	<b>34323.74</b>
1. Alcock Ashdown & Co. Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
2. Cochin Shipyard Ltd.	73	22788.41	-	-	73	22788.41	158	19595	-	-	158	19595
3. Garden Reach Ship-Builders & Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
4. Goa Shipyard Ltd.	33	7080.37	-	-	33	7080.37	19	7616.69	-	2679.70	19	10296.39
5. Hindustan Shipyard Ltd.	14	5376.95	2	191.00	16	5567.95	15	4204.67	1	99.84	16	4304.51
6. Hooghly Dock & Port Engineers Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
7. Mazagon Dock Ltd.	-	-	-	-	-	-	-	-	-	-	-	-
8. Shalimar Works Ltd.	3	155.02	-	-	3	155.02	3	127.84	-	-	3	127.84
<b>B. PRIVATE SECTOR (Total)</b>	<b>72</b>	<b>2739.57</b>	<b>3</b>	<b>0.00</b>	<b>75</b>	<b>4867.57</b>	<b>231</b>	<b>13344.85</b>	<b>55</b>	<b>2761.87</b>	<b>286</b>	<b>16106.72</b>
9. Dempo Ship – building & Engg. Ltd.	29	804	-	-	29	804	21	803.00	-	-	21	803.00
10.ABG Shipyard Ltd.	...	1111	-	-	...	1111	...	1864.00	-	-	...	1864.00
11.Bharati Shipyard Pvt. Ltd.	-	633.96	-	-	-	633.96	-	623.47	-	-	-	623.47
12. Vedanta Ltd.	-	-	-	-	-	-	20	963.52	-	-	-	-
13. A.C.Roy & Co. Ltd.	24	181	-	-	24	181	26	155	-	-	26	155
14. Bristol Boats	1	9.61	-	-	1	9.61	1	3.70	-	-	1	3.70
15. Ferromar Shipping Pvt. Ltd.	-	...	...	...	-	-	-	...	...	...	-	-
16. Larsen & Toubro Limited	18	...	3	...	21	2128	23	3149.44	8	1332.57	31	4482.01
17. Modest Infrastructure Pvt. Ltd.	-	-	-	-	-	-	1	48.92	-	-	1	48.92
18. Chidambaranar Shipcare Pvt. Ltd	-	-	-	-	-	-	115	1201.37	40	205.03	155	1406.40
19. Sembmarine Kakinada Ltd.	-	-	-	-	-	-	24	4532.43	7	1224.27	31	5756.70
<b>Grand Total (A + B)</b>	<b>195</b>	<b>38140.32</b>	<b>5</b>	<b>191.00</b>	<b>200</b>	<b>40459.32</b>	<b>426</b>	<b>44889.05</b>	<b>56</b>	<b>5541.41</b>	<b>482</b>	<b>50430.46</b>
Note S : No. of Ships ; E : Earnings in Rs. Lakh												

## **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 (2.5, 2.6 & 2.7).

2.7. Available data on Ship repair facilities reveal that Kolkata Port has a maximum number of dry docks (5), Mumbai, Visakhapatnam, Kandla, Mormugao, 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 Mormugao (4 in number) and Mumbai port (2 in numbers).

## **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

**Ship Repairing Capacity Of The Company**  
(As on 31st March, 2015)

Sl. No.	Name of the company	Type of Vessels/ Ships	Ship repair capacity/Maximum size capacity			
			Length (Mts.)	Width (Mts.)	Draft (Mts)	DWT ('000)
1	2	3	4	5	6	7
<b>A. PUBLIC SECTOR</b>						
1	Alcock Ashdown (Gujarat) Ltd. <sup>a</sup>	-	-	-	-	-
2	Cochin Shipyard Ltd.	All Type of Vessels	270.0	45.0	12.0	125.0
3	Garden Reach Shipbuilders and Engineers Ltd.	All types of diesel propulsion vessels	120.0	17.0	5.0	9.0
4	Goa Shipyard Ltd.	Advanced Offshore Petrol 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, medium sized sophisticated vessels	125.0	22.0	5.0	10.0
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 Inland Vessel Tanker/Cargo	45.0 65.0 65.0	12.0 12.5 12.3	4.0 4.0 4.0	- - -
7	Mazagon Dock Ltd.	Presently MDL is not carrying out any ship-repairing work.				
8	Shalimar Works Ltd.	Survey vessel Tug/Launch	55.0 10.0	11.0 4.0	3.0 1.5	0.70 0.50
<b>B. PRIVATE SECTOR (Contd.)</b>						
9	Dempo Shipbuilding and Engineering Ltd.	a) MBC/Barges/Hopper Barges b) Pilot Launches c) Tugs	85.0 - 85.0	16.0 - 16.0	2.2 2.2 2.2	- - -
10	ABG Shipyard Ltd.	Anchor Handling Tugs, Supply Vessels, Offshore Support Vessels, Bulk Carriers, Tankers, Floating Cranes, Special Purpose Vessels, Tugs	150.0	22.0	8.5	20.0
11	Bharati Shipyard 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. <sup>§</sup>	-	-	-	-	-
13	Ferromar Shipping Pvt. Ltd. <sup>*</sup>	Barges and other vessels for Goa operations	70.0	13.0	12.0	2.0

Table No. 2.1 (Contd.)

**Ship Repairing Capacity Of The Company**  
(As on 31st March, 2015)

Sl. No.	Name of the company	Type of Vessels/ Ships	Ship repair capacity/Maximum size capacity			
			Length (Mts.)	Width (Mts.)	Draft (Mts)	DWT ('000)
1	2	3	4	5	6	7
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	20.0	5.0	4.0	0.05
16	Larsen & Toubro Limited	a) Offshore :PSV,DSV,AHTS	80.00	18.00	6.00	3.50
		b) Chemical Tankers	200.00	30.00	15.00	30.00
		c) LPG Tankers	180.00	30.00	15.00	25.00
		d) Offshore & sub-sea construction vessels	160.00	27.00	9.50	18.00
		e) Dredgers CSD/TSMD	105.00	19.00	5.00	6.00
		f) River Sea Vessels-RSV	160.00	27.00	8.00	15.00
17	Vedanta Ltd. #	All types of vessels.	80.0	15.0	9.1	-
18	Tebma Shipyard Ltd.	...	...	...	...	...
19	N N Shipbuilders and Engineers Pvt Ltd	a) Tugs/Pontoons	30.0	10.0	2.3	-
		b) Small Ships	-	12.0	2.0	-
		c) Barges	30.0	-	2.3	-
20	Pipavav	Cargo Ships, Naval Vessels & Submarines Offshore Vessels,Rigs,Platforms & Others i.e. Dredgers,Passenger Vessels etc	350	63	-	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	42.2	8.5	4.0	-
		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	Chidambaranar 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

a. No ship-repairing work is undertaken.

\$ Chowgule &amp; Co. Ltd. did not undertake repairs.

\* Empreiteiros Gerais Pvt. Ltd. was merged with Ferromar Shipping Pvt. Ltd. w.e.f. 16.4.2010.

# Formerly Sesa Sterlite Ltd./Sesa Goa Ltd.

**Table No. 2.2 Ship Repairing Capacity-By Company and Maximum Size (2012-2015)**

('000 DWT)

Name of The Company	As on end 31st March			
	2012	2013	2014	2015
1	2	3	4	5
<b>A. PUBLIC SECTOR</b>				
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	9.0	9.0
4. Goa Shipyard Ltd.	4.5	4.5	4.5	10.0
5. Hindustan Shipyard Ltd.	80.0	70.0	80.0	80.0
6. Hooghly Dock & Port Enginers Ltd.	-	-	-	-
7. Mazagon Dock Ltd.	-	-	-	-
8. Shalimar Works Ltd.	0.7	0.7	0.7	0.7
<b>B. PRIVATE SECTOR</b>				
9. Dempo Shipbuilding & Engineering Ltd.	5.5	5.5	5.5	-
10. ABG Shipyard Ltd.	20.0	20.0	20.0	20.0
11. Bharati Shipyard Ltd.	20.0	20.0	20.0	20.0
12. Chowgule & Co. Ltd.	-	-	-	-
13. Ferromar Shipping Pvt. Ltd. @	3.0	3.0	3.0	2.0
14. Vedanta Ltd. *	...	...	...	...
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. Larsen & Toubro Limited	...	...	65.0	30.0
19. N N Shipbuilders and Engineers Pvt Ltd	-	-	-	-
20. Pipavav <sup>#</sup>	400.0	400.0	400.0	400.0
21. Modest Infrastructure Pvt. Ltd.	-	-	-	6.0
22. Chidambaranar Shipcare Pvt. Ltd.	-	-	-	-
23. Sembmarine Kakinada Ltd.	-	-	-	54.0

@ Empreiteiros Gerais Pvt. Ltd. merged with Ferromar Shipping Pvt. Ltd. w.e.f. 16.4.2010.

# No ship repairing is undertaken

\* Formerly Sesa Sterlite/Sesa Goa Ltd.\* Formerly Sesa Sterlite/Sesa Goa Ltd.

Table No. 2.3

**Ship Repairing Facilities-Company-Wise for Dry Docks and Wet Docks (As on 31st March, 2015)**

Sl. No.	Name of Company	Dry Dock Owned					Wet Docks/Basin Owned				
		Capacity					Capacity				
		No.	Length (M)	Width (M)	Draft (M)	DWT ('000)	No.	Length (M)	Width (M)	Draft (M)	DWT ('000)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
<b>A. PUBLIC SECTOR</b>											
1	Alcock Ashdown (Gujarat) Ltd. <sup>a</sup>	-	-	-	-	-	-	-	-	-	-
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	180.0	27.0	8.0	-	1	109.0	25.0	8.0	-
		1	180.0	29.0	10.0	-	-	-	-	-	-
		1	185.0	12.0	6.4	-	-	-	-	-	-
		1	160.0	18.0	8.0	-	-	-	-	-	-
		1	107.0	13.0	6.0	-	-	-	-	-	-
4	Goa Shipyard Ltd.	-	-	-	-	-	-	-	-	-	-
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.	-	-	-	-	-	-	-	-	-	-
8	Shalimar Works Ltd.	-	-	-	-	-	-	-	-	-	-
<b>B. PRIVATE SECTOR</b>											
9	Dempo Shipbuilding and Engineering Ltd.	2	85.0	18.0	2.2	4.0	2	100.0	20.0	3.5	4.0
10	ABG Shipyard Ltd.	1	155.0	30.0	7.5	20.0	1	110.0	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	-	-	-	-	-	-
		1	450.0	40.0	-	-	-	-	-	-	-
11	Bharati Shipyard 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	Ferromar Shipping Pvt. Ltd. <sup>@</sup>	-	-	-	-	-	3	70.0	13.0	3.2	2.2
13	Vedanta Ltd. #	-	-	-	-	-	-	-	-	-	-
14	A.C. Roy & Co. Ltd.	-	-	-	-	-	2	50.0	18.0	3.0	2.0
15	Bristol Boats	1	25.0	8.0	1.5	0.05	-	-	-	-	-
16	Tebma Shipyard Ltd.	...	...	...	...	...	...	...	...	...	...
17	Larsen & Toubro Limited	6	210.0	Open	-	-	4	260.0	Open	10.0	-
18	N N Shipbuilders and Engineers Pvt Ltd	-	-	-	-	-	-	-	-	-	-
19	Chowgule & Co. Ltd.	-	-	-	-	-	-	-	-	-	-
20	Pipavav	1	662.0	65.0	11.5	400.0	1	740.0	60.0	-	400.0
21	Modest Infrastructure Pvt. Ltd.	2	95.0	16.0	3.0	3.5		-	-	-	-
			120.0	21.0	4.5	6.0		-	-	-	-
22	Chidambaranar 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				

a. Not carrying out any repairing work.

# Formerly Sesa Sterlite Ltd/ Sesa Goa Ltd.

@ Empreiteiros Gerais Pvt. Ltd. merged with Ferromar Shipping Pvt. Ltd. w.e.f. 16.4.2010.

Table No. 2.3a

**Ship Repairing Facilities-Company-Wise  
(As On 31st March, 2015)**

Sl. No.	Name of Company	Other repairing facilities					
		Item	No.	Capacity			
				Length (M)	Width (M)	Draft (M)	DWT ('000)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<b>A. PUBLIC SECTOR</b>							
1	Alcock Ashdown (Gujarat) Ltd. <sup>a</sup>	-	-	-	-	-	-
2	Cochin Shipyard Ltd.	Slave Dock	1	86.0	18.0	27.0	8.0
3	Garden Reach Ship-Building and Engineers Ltd.	Finger Jetty-1	1	229.0	-	-	-
		Finger Jetty-2	1	194.0	-	-	-
		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-Sawmill	1	21.5	6.0	1.5	-
		River Jetty-Dolphin 1	1	10.0	5.0	6.5	-
		River Jetty-Dolphin 2	1	10.0	5.0	6.5	-
4	Goa Shipyard Ltd.	New Construction					
		Bay No. 1	1	216.0	26.0	16.4	-
		New Construction					
		Bay No. 2	1	143.5	20.4	9.2	-
		New Construction					
		Bay No. 3	1	96.5	26.0	14.1	-
		New Berth-1	1	130.0	29.5	-	-
		New Berth-2	1	130.0	30.0	-	-
		Shiplift	1	120.0	25.0	-	6.0
		New Jetty	1	250.0	16.0	5.5	-
		Slipway -4	1	119.0	22.0	4.0	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	-	-	-
7	Mazagaon Dock Ltd. <sup>b</sup>	-	-	-	-	-	-
8	Shalimar Works Ltd.	Kuchha Basin	2	-	-	-	-
		Fitting Out Jetty	1	-	-	-	-
<b>B. PRIVATE SECTOR</b>							
9	Dempo Shipbuilding and Engineering Ltd.	-	-	-	-	-	-
10	ABG Shipyard Ltd.	Slipway	1	110.0	35.0	...	...
		Slipway	1	220.0	25.0	...	...
11	Bharati Shipyard 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. @	-	-	-	-	-	-

Table No. 2.3a(Contd...)

**Ship Repairing Facilities-Company-Wise  
(As On 31st March, 2015)**

Sl. No.	Name of Company	Other repairing facilities					
		Item	No.	Capacity			
				Length (M)	Width (M)	Depth (M)	DWT ( <sup>'000</sup> )
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
14	Vedanta Ltd. #	-	-	-	-	-	-
15	A.C. Roy & Company Ltd.	-	-	-	-	-	-
16	Bristol Boats	-	-	-	-	-	-
17	Tebma Shipyard Ltd.	-	-	-	-	-	-
18	Larsen & Toubro Limited	Shiplift Platform	1	210.0	43.0	8.0	-
19	N N Shipbuilders and Engineers Pvt Ltd	Slipways	3	70.0	7.0	2.3	...
20	Pipavav	Outfitting Quay	1	688.0	18.0	-	400.0
21	Modest Infrastructure Pvt. Ltd.	-	-	-	-	-	-
22	Chidambaranar 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					

a. Alcock Ashdown (Gujarat) Ltd. do not undertake repair work.

b. Ship repairing facility closed.

@ Empreiteiros Gerais Pvt. Ltd. merged with Ferromar Shipping Pvt. Ltd. w.e.f. 16.4.2010.

# Formerly Sesa Sterlite Ltd/ Sesa Goa Ltd.



Table No. 2.4

**No. Of Ships Repaired And Earnings, Company-wise -  
(2011-12 to 2014-15)**

(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)
<b><u>A. PUBLIC SECTOR (Total)</u></b>	<b>2014-15</b>	<b>195</b>	<b>31544.20</b>	<b>1</b>	<b>2779.54</b>	<b>196</b>	<b>34323.74</b>
	<b>2013-14</b>	<b>123</b>	<b>35400.75</b>	<b>2</b>	<b>191.00</b>	<b>125</b>	<b>35591.75</b>
	<b>2012-13</b>	<b>118</b>	<b>82489.14</b>	<b>21</b>	<b>14173.15</b>	<b>139</b>	<b>96662.29</b>
	<b>2011-12</b>	<b>118</b>	<b>38269.53</b>	<b>3</b>	<b>365.89</b>	<b>121</b>	<b>38635.42</b>
1. Alcock Ashdown (Gujarat) Ltd.	2014-15	-	-	-	-	0	0.00
	2013-14	-	-	-	-	0	0.00
	2012-13	-	-	-	-	0	0.00
	2011-12	-	-	-	-	0	0.00
2. Cochin Shipyard Ltd.	2014-15	158	19595.00	-	-	158	19595.00
	2013-14	73	22788.41	-	-	73	22788.41
	2012-13	77	28656.83	-	-	77	28656.83
	2011-12	79	14535.92	-	-	79	14535.92
3. Garden Reach Ship-builders and Engineers Ltd.	2014-15	-	-	-	-	0	0.00
	2013-14	-	-	-	-	0	0.00
	2012-13	-	-	-	-	0	0.00
	2011-12	-	-	-	-	0	0.00
4. Goa Shipyard Ltd.	2014-15	19	7616.69	-	2679.70	19	10296.39
	2013-14	33	7080.37	-	-	33	7080.37
	2012-13	33	8863.67	-	34.15	33	8897.82
	2011-12	19	4726.78	1	31.89	20	4758.67
5. Hindustan Shipyard Ltd.	2014-15	15	4204.67	1	99.84	16	4304.51
	2013-14	14	5376.95	2	191.00	16	5567.95
	2012-13	3	966.00	21	14139.00	24	15105.00
	2011-12	15	18831.00	2	334.00	17	19165.00
6. Hooghly Dock & Port Engineers Ltd.	2014-15	-	-	-	-	0	0.00
	2013-14	-	-	-	-	0	0.00
	2012-13	-	-	-	-	0	0.00
	2011-12	-	-	-	-	0	0.00
7. Mazagon Dock Ltd.	2014-15	-	-	-	-	0	0.00
	2013-14	-	-	-	-	0	0.00
	2012-13	2	43946.66	-	-	2	43946.66
	2011-12	-	-	-	-	0	0.00
8. Shalimar Works Ltd.	2013-14	3	127.84	-	-	3	127.84
	2013-14	3	155.02	-	-	3	155.02
	2012-13	3	55.98	-	-	3	55.98
	2014-15	5	175.83	-	-	5	175.83

**Table No. 2.4  
(Contd...)**

**No. Of Ships Repaired And Earnings, Company-wise -  
(2011-12 to 2014-15)**

(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)
<b><u>B. PRIVATE SECTOR (Total)</u></b>	<b>2014-15</b>	<b>231</b>	<b>13344.85</b>	<b>55</b>	<b>2761.87</b>	<b>286</b>	<b>16106.72</b>
	<b>2013-14\$</b>	<b>72</b>	<b>2739.57</b>	<b>3</b>	<b>0.00</b>	<b>75</b>	<b>4867.57</b>
	<b>2012-13</b>	<b>67</b>	<b>9958.55</b>	<b>0</b>	<b>0.00</b>	<b>67</b>	<b>9958.55</b>
	<b>2011-12</b>	<b>114</b>	<b>2559.78</b>	<b>0</b>	<b>0.00</b>	<b>114</b>	<b>2559.78</b>
9. Dempo Shipbuilding & Engg. Ltd.	2014-15	21	803.00	-	-	21	803.00
	2013-14	29	804.00	-	-	29	804.00
	2012-13	24	446.58	-	-	24	446.58
	2011-12	55	1025.57	-	-	55	1025.57
10. ABG Shipyard Ltd.	2014-15	-	1864.00	-	-	0	1864.00
	2013-14	-	1111.00	-	-	0	1111.00
	2012-13	-	8683.00	-	-	0	8683.00
	2011-12	-	132.00	-	-	0	132.00
11. Bharati Shipyard Ltd.	2014-15	-	623.47	-	-	0	623.47
	2013-14	-	633.96	-	-	0	633.96
	2012-13#	-	58.50	-	-	0	58.50
	2011-12	1	21.96	-	-	1	21.96
12. Ferromar Shipping Pvt. Ltd. ®	2014-15	...	...	...	...	0	0.00
	2013-14	...	...	...	...	0	0.00
	2012-13	...	...	...	...	0	0.00
	2011-12	4	...	...	...	4	0.00
13. Vedanta Ltd. ##	2014-15	20	963.52	-	-	20	963.52
	2013-14	-	-	-	-	0	-
	2012-13	13	538.68	-	-	13	538.68
	2011-12	22	1086.49	-	-	22	1086.49
14. A.C.Roy & Co. Ltd.	2014-15	26	155.00	-	-	26	155.00
	2013-14	24	181.00	-	-	24	181.00
	2012-13	29	220.84	-	-	29	220.84
	2011-12	31	268.51	-	-	31	268.51
15. Bristol Boats	2014-15	1	3.70	-	-	1	3.70
	2013-14	1	9.61	-	-	1	9.61
	2012-13	1	10.95	-	-	1	10.95
	2011-12	1	25.25	-	-	1	25.25

**Table No. 2.4  
(Contd...)**

**No. Of Ships Repaired And Earnings, Company-wise -  
(2011-12 to 2014-15)**

(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)
16. Larsen & Toubro Limited	2014-15	23	3149.44	8	1332.57	31	4482.01
	2013-14 \$\$	18	...	3	...	21	2128.00
	2012-13	...	...	...	...	0	0.00
	2011-12	...	...	...	...	0	0.00
17. Modest Infrastructure Pvt. Ltd. \$	2014-15	1	48.92	-	-	1	48.92
18. Chidambaranar Shipcare Pvt. Ltd. \$	2014-15	115	1201.37	40	205.03	155	1406.40
19. Sembmarine Kakinada Ltd. \$	2014-15	24	4532.43	7	1224.27	31	5756.70
<b>C. Grand Total (A + B)</b>	<b>2014-15</b>	<b>426</b>	<b>44889.05</b>	<b>56</b>	<b>5541.41</b>	<b>482</b>	<b>50430.46</b>
	<b>2013-14</b>	<b>195</b>	<b>38140.32</b>	<b>5</b>	<b>191.00</b>	<b>200</b>	<b>40459.32</b>
	<b>2012-13</b>	<b>185</b>	<b>92447.69</b>	<b>21</b>	<b>14173.15</b>	<b>206</b>	<b>106620.84</b>
	<b>2011-12</b>	<b>232</b>	<b>40829.31</b>	<b>3</b>	<b>365.89</b>	<b>235</b>	<b>41195.20</b>

\* Not carried out any ship-repairing work.

@ Empreiteiros Gerais Pvt. Ltd merged with Ferromal Shipping Pvt. Ltd w.e.f. 16.4.2010.

# Ship Repairs for the period 2012-13 amounted to Rs. 14 crores has not been taken into a/c due to some technical reasons.

## Formerly Sesa Sterlite Ltd/ Sesa Goa Ltd.

\*\* The bifurcation of earnings from repairing of Indian and Foreign Vessels is not available and as such only Total amount is shown.

\$ Included for the first time

\$\$ earnings of Larsen & Toubro Limited included in the total only as break-up by vessels is not available for the year 2013-14

**Table No. 2.5****Dry Dock & Ship Repairing Facilities at Major Ports 2014-15**

Name of Ports	No. of Dry Docks and their Size	No. of Work-shops	No. of Cranes & Capacity	No. of Vessels Repaired during 2014-15	No. of days at Dry Dock Occupancy during 2014-15
1	2	3	4	5	6
Kandla	<u>One</u> Length : 95 mtrs. Width : 20 mtrs.  Depth : 5.5 mtrs.	-	<u>One</u>  5 T	41	361
Mumbai	<u>One</u> Length : 1000 ft.  Breadth : 102 ft.  Depth : 44 ft.	-	<u>Two</u> 1-20 T 1-5 T	44	289
Mormugao	<u>One</u>  Length : 210 mtrs. Breadth : 32.5mtrs. Depth: Can accommodate vessels up to 60,000 DWT.	8	<u>Four</u>  3-11 T (each)  1-26 T	6	300-360
Cochin	The Dry Dock has been handed over to M/s Cochin Shipyard Ltd. w.ef 11.04.2013 for development and operation of International Ship Repair Facility at Willingdon Island				
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.	8	<u>One</u>  4 T	14	322
Paradip	<u>One</u> Length : 75 mtrs.  Breadth : 15 mts. Depth : 6 mts.	1	<u>One</u>  3/10 T	24	227

**Table No. 2.5**  
(Contd...)

**Dry Dock and Ship Repairing Facilities at Major Ports 2014-15**

Name of Ports	No. of Dry Docks and their size		No. of Work-shops	No. of Cranes & Capacity	No. of Vessels Repaired during 2014-15	No. of Days at Dry Dock Occupancy during 2014-15
1	2		3	4	5	6
Kolkata	Dry Dock	Maximum Size of vessels (in meters)		<b>Five</b>	17	1193
	Netaji Subhash No.1 & 2	172.21 x 22.86		1 No. 5T		
	Kidderpore No.1	160.02 x 19.5		1 No. 7T		
	Kidderpore No.2	142.95 x 19.5		2 No. 3/6T		
	Kidderpore No.3	102.1 x 14.63		1 No. 3T		

\* The Dry Dock is not in use due to major structural damages which are beyond economical repair.

Source: All Major Ports.

**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	Rate per vessel					
	Craft up to 30 mtrs.		Craft between 30 to 60 mtrs.		Craft above 60 mtrs.	
Particulars	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 1 <sup>st</sup> day hire and cleaning of dry dock	61359.90	2481.96	73557.00	2975.61	85817.19	3471.58
Dry dock hire from 2 <sup>nd</sup> day to 8 day (both days inclusive) per day or part thereof	21693.06	877.55	26032.93	1053.11	30372.81	1228.68
Dry dock hire from 9 <sup>th</sup> day to 20 <sup>th</sup> day (both days inclusive) per day or part thereof	32541.28	1316.39	39048.36	1579.63	45557.11	1842.93
Dry dock hire from 21 <sup>st</sup> day or part thereof	52426.78	2120.83	62912.42	2545.00	73397.11	2969.15
Mormugao	National Charges				The WISL Dry Dock is for Captive use & it does not give the same on hire	
	International Charges					
Paradip	Dry Dock Hire Charges for different sizes of vessels					
	National Charges			Rs. 23000/-		
	International Charges					

**Table No. 2.6  
(Contd...)**

**Dry Dock Hire Charges Existing at Major Ports**

Name of Ports	Dry Dock Hire Charges for different sizes of vessels			
1	2			
Mumbai	I. Charges for Docking and Undocking:			
		Foreign Going Vessels (in US \$)	Coastal Vessels (in 'Rs.)	
	Upto 1000 GRT	4858.50	102244/-	
	1001 to 2000 GRT	6308.25	125614/-	
	2001 to 3000 GRT	7481.50	148984/-	
	3001 to 4000 GRT	8654.75	172354/-	
	4001 to 5000 GRT	9828.00	195724/-	
	Above 5000 GRT	US \$ 9828.00 + US \$1110.10 for every additional 1000 GRT or part thereof	'Rs.195724/- + ' Rs. 23370/- for every additional 1000 GRT or part thereof	
Cochin	The Dry Dock has been handed over to M/s Cochin Shipyard Ltd. w.ef 11.04.2013 for development and operation of International Ship Repair Facility at Willingdon Island.			
Visakhapatnam				
	Nature of service	1 <sup>st</sup> day to 14 <sup>th</sup> day	15 <sup>th</sup> day to 30 <sup>th</sup> day	31 <sup>st</sup> day onwards
	National charges	Rs. 27,967/-	Rs. 41,937/-	Rs. 55,934/-
	International Charges	US \$ 995.13	US \$ 1492.21	US \$1990.25
	Type of vessel	Length of vessel		
		50 mtrs. Or less	50 to 100 mtrs.	Above 100 mts.
	Flat bottom vessel	Rs. 70,000/-	Rs. 87,500/-	Rs. 1,05,000/-
	Shaped vessels such as coast guard/navy	Rs. 1,20,000/-	Rs. 1,60,000/-	Rs. 2,00,000/-
	In case of 2 <sup>nd</sup> docking, a rate of US \$ 767.22 per foreign going vessel and Rs. 21,562/- per coastal vessel will be levied.			

**Table No. 2.6  
(Contd...)**

**Dry Dock Hire Charges Existing at Major Ports**

Name of Ports	Dry Dock Hire Charges for different sizes of vessels						
1	2						
<b>Kolkata</b>	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 vessels US \$	Coastal Vessels Rupees	Foreign going vessels US \$	Coastal Vessels Rupees	Foreign going vessel US \$	Coastal Vessels Rupees
	Upto 1000	1200	26400	1080	25200	1080	24000
	1001 to 2000	1320	28800	1200	27600	1080	25800
	2001 to 3000	1440	31200	1320	30000	1080	26400
	3001 to 4000	1560	36000	1440	33600	1080	27000
	4001 to 5000	1680	40800	1560	37200	1080	27600
	5001 to 10000	1920	45600	1680	42000	1080	28800
	10001 & above	2160	50400	1800	46800	1080	30000
<b>V.O. Chidambaranar</b>	II. From 11 <sup>th</sup> to 30 <sup>th</sup> days of occupation: 150% of rates as stated above per day or part thereof.						
	III. Beyond 30 <sup>th</sup> days of occupation: 200% of rates as stated above per day or part thereof.						
The dry dock is not in use due to structural damages which are beyond economical repair.							

Source: All major ports.



**Table No. 2.7****Equipments available at Major Ports**

<b>Name of Ports</b>	<b>Equipments available in the Workshops</b>
<b>1</b>	<b>2</b>
Kandla	-
Mormugao	<ol style="list-style-type: none"> <li>1. Machine shop: Overhead cranes, Horizontal lathes 12m bed, Vertical Turret Lathe, Floor Boring &amp; Milling Machine, Table Boring &amp; Milling Machine, Dynamic Balancing Machine Hydraulic Press- 100t, Grinding Machine, White Metalling Facility, Radial Drilling Machines, Slotting Machines, Power Saws, Other Assorted Lathes.</li> <li>2. Plate shop : Overhead Cranes, Plate Rolling Machines, Guillotine Shear, CNC Profile Gas Cutting Machine, Hydraulic Press 400t, MIG/MAG Welding Systems, TIG Welding Machine, Ship Profile Bending Press, Universal Cutting Machine, Universal Scissor, Circulat Saw Flanging Machine, Thyristor Controlled Welding Rectifiers, Semi-Automatic Submerge Arc Welding.</li> <li>3. Pipe shop: Overhead Cranes, Pipe Bending Machines, Cutting Machines, Welding Machines, TIG Welding System.</li> <li>4. Electrical workshops : Wire Winding Machine, Motor overhauling, Electrical Furnance, Cabling, Captive Power Plant- 2 x1 MVA Gensets, Power Distribution Panels, Electronic Repair Kits.</li> <li>5. Hull maintenance: LRS &amp; IRS certified hull structure gauging, Hydro &amp; Grit blasting Facility with state-of-art equipment, Airless Painting to manufacturers standards.</li> <li>6. Shipright shop : Floating Dry Dock with pedestal crane : 3 x 11 T and 1x 26 T, Mooring Ropes, Grit Blasting Machines, Airless Spray Painting, Staging Material, 50T x 15T Rail Cranes, 250 x 450 Bar HP Washing Machine.</li> <li>7. Prefab shop: 10T EOT, 15T Rail Crane, Pipes (&lt;25mm), Bulbous Domes, Kort Nozzel, Plate Structures, Flanges, Welding Machine, Gas Cutting Machine, Beveling Machine.</li> </ol>

	8. Lifting equipments: Lifting Rail Cranes: - Max. boom – 50m- 50T at 38 mt.- 1 No., Max boom- 70m-15T at 30 mt. -1 No., Mobile Crane- 70t x 40mt. – 1 No., Fork Lift-1.5 t- 1 No.3.0t -2 Nos., 5t-1No., EOT- 10/1t-2 Nos.-25/5t-1No., Cherry Pickers -5 Nos. with 18 mts. Lift.
Mumbai	Nil. Private contractors are deployed by the vessel owners.
Cochin	The Dry Dock has been handed over to M/s Cochin Shipyard Ltd. w.ef 11.04.2013 for development and operation of International Ship Repair Facility at Willingdon Island.
Visakhapatnam	Machine Shop -1, Fitter Shop-3, Welder Shop- 1, Blacksmith Shop- 1,Rivetter Shop- 1, Carpenter Shed-1
Paradip	1 Overhead crane, capacity: 10 Ton 1 Lathe Machine type- EP3225,Height = 16 inches, Chuck = 24 inch, Bed length = 12 feet 1 Lathe Machine Type-H 26, Height = 10 inches, Chuck = 14 inches, Bed length = 12 feet 1 Bending Machine (3 rollers), Rollers Diameter = 200mm (1 nos.); 180mm (2 nos.) Length = 2 meters 1 Stand Radial Drill Machine , Make : HMT, Machine no. 32358 1 Electric Saw
Kolkata	There is a full-fledged repair workshop including Diesel Engine Overhauling Unit, Structural Shop, Heavy & Light Machine Shop, Forging Shop, Electrical Shop and a Chain Testing/Repair Shop with 2500 KN capacity Tensile Compression Testing Machine for supporting various activities in the dry dock. However, Commercial (Non-KoPT) vessels are repaired by the concerned Dry Docks users by their own arrangement. KoPT- owned vessels are repaired by KoPT-enlisted contractors or by limited/open tendering depending on the scope of work.
V.O.Chidambaranar	The dry dock is not in use, due to structural damages which are beyond economical repair.

### **Section- 3**

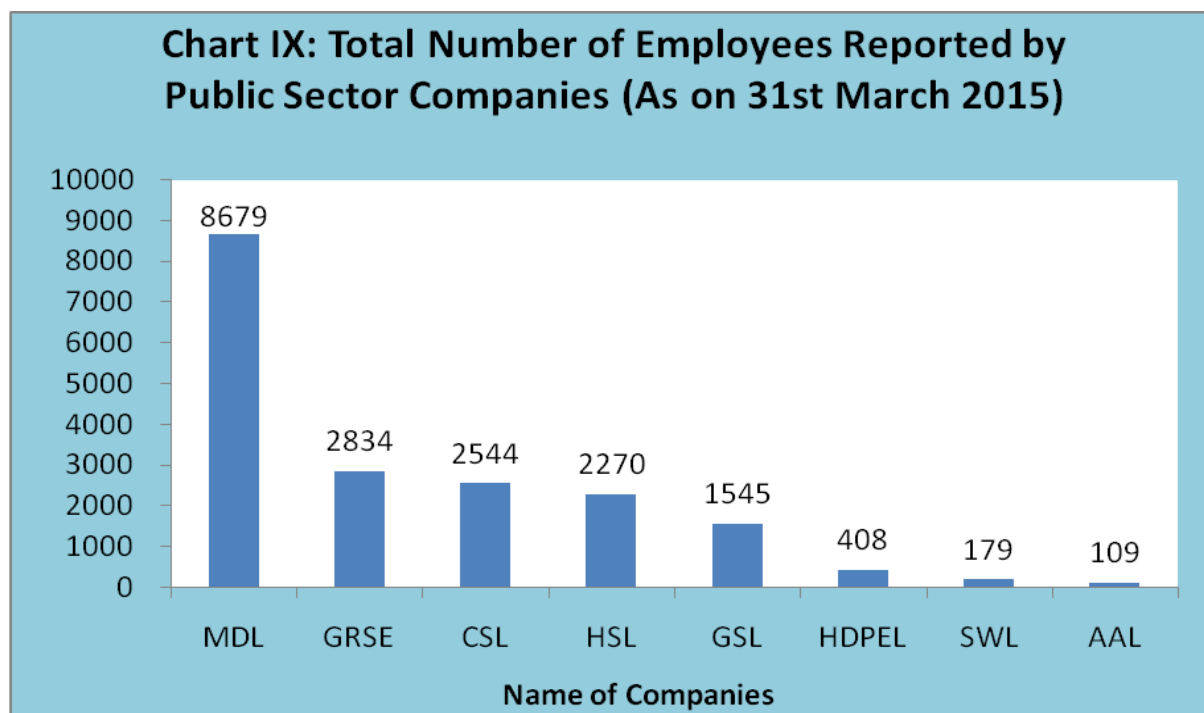
## **EMPLOYMENT IN SHIP-BUILDING/SHIP- REPAIRING INDUSTRY**

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

3.1. The total number of employees under the eight Public Sector Shipyards during 2014-15 were 18568 which included 2536 officers (13.7 % of the total number of employees). The maximum number of employees in the public sector Shipyards as on 31<sup>st</sup> March 2015 were 8679 in Mazagon Dock Ltd followed by 2834 in Garden Reach Ship Builders and Engineers Ltd and 2544 employees in Cochin Shipyard Ltd.

3.2. The total number of employees in 15 private sector companies were 13053 as on 31<sup>st</sup> March 2015 of which total number of officers were 2329 (17.84 % of the total number of employees). Pipavav had highest number of employees (4930) followed by Larsen & Toubro Ltd. (4126) and Bharati Shipyard Ltd. (1124).

3.3. The total number of employees among the eight public sectors undertakings is shown in chart IX.



3.4. Chart X given below depicts a clear downward employment trend in Ship-building and Ship-repairing industries during the period 2010-11 to 2014-15.

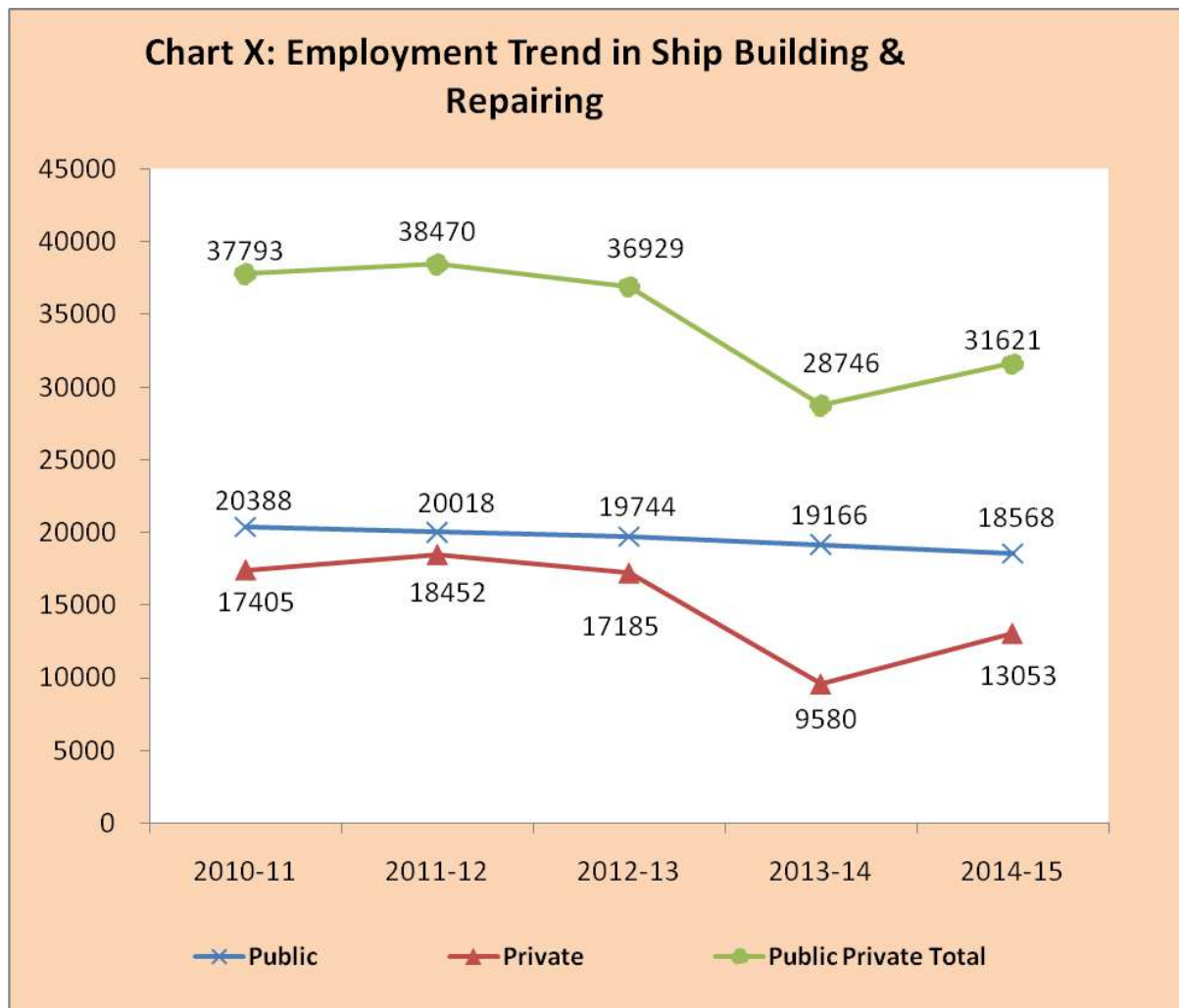


Table No. 3.1

**Employment In Ship-Building/Ship-Repairing Companies**  
(As On end 31st March, 2015)

Name of The Company	(Number)									
	Officers		Supervisors		Workforce in Operation				Total	
	Permanent	Contractual	Permanent	Contractual	Directly involved in		Indirectly involved in		Permanent	Contractual
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>A. PUBLIC SECTOR (Total)</b>	<b>2429</b>	<b>107</b>	<b>1104</b>	<b>42</b>	<b>7819</b>	<b>4964</b>	<b>1915</b>	<b>188</b>	<b>13267</b>	<b>5301</b>
1. Alcock Ashdown (Gujarat) Ltd.	33	15	-	-	48	-	11	2	92	17
2. Cochin Shipyard Ltd.	275	43	199	3	1208	712	104	-	1786	758
3. Garden Reach Ship-Builders & Engineers Ltd	484	-	182	4	1487	-	677	-	2830	4
4. Goa Shipyard Ltd.	230	4	72	15	828	76	291	29	1421	124
5. Hindustan Shipyard Ltd.	334	30	397	20	671	568	244	6	1646	624
6. Hooghly Dock & Port Engineers Ltd.	34	1	41	-	241	66	23	2	339	69
7. Mazagon Dock Ltd.	1034	-	213	-	3242	3512	543	135	5032	3647
8. Shalimar Works Ltd.	5	14	-	-	94	30	22	14	121	58
<b>B. PRIVATE SECTOR (Total)</b>	<b>2249</b>	<b>80</b>	<b>8</b>	<b>0</b>	<b>2705</b>	<b>4263</b>	<b>549</b>	<b>3199</b>	<b>5511</b>	<b>7542</b>
9. Dempo Shipbuilding & Engg. Ltd.	38	-	4	-	-	173	-	25	42	198
10. ABG Shipyard Ltd.	540	-	-	-	390	-	90	-	1020	0
11. Bharati Shipyard Ltd.	110	-	-	-	610	-	404	-	1124	0
12. Chowgule & Co. Ltd.	72	-	-	-	5	-	17	-	94	0
13. Ferromar Shipping Pvt. Ltd.*	2	-	-	-	-	-	-	-	2	0
14. Vedanta Ltd.#	12	-	-	-	39	88	-	-	51	88
15. A.C.Roy & Comp. Ltd.	30	-	1	-	4	10	13	-	48	10
16. Bristol Boats	3	-	-	-	8	-	1	-	12	0
17. Tebma Shipyard Ltd.	106	55	-	-	120	435	9	-	235	490
18. Larsen & Toubro Limited	588	17	-	-	21	3500	-	-	609	3517
19. N N Shipbuilders and Engineers Pvt Ltd	12	-	3	-	65	-	12	-	92	0
20. Pipavav	633	-	-	-	1297	-	-	3000	1930	3000
21. Modest Infrastructure Pvt. Ltd. **	60	8	-	-	53	57	-	174	113	239
22. Chidambaranar Shipcare Pvt. Ltd. **	27	-	-	-	14	-	3	-	44	0
23. Sembmarine Kakinada Ltd. **	16	-	-	-	79	-	-	-	95	0
<b>C. Grand Total (A + B)</b>	<b>4678</b>	<b>187</b>	<b>1112</b>	<b>42</b>	<b>10524</b>	<b>9227</b>	<b>2464</b>	<b>3387</b>	<b>18778</b>	<b>12843</b>

@ Includes in indirect workforce in operation.

\* Empreiteiros Gerais Pvt. Ltd. Merged with Ferromar Shipping Pvt. Ltd. w.e.f. 16.4.2010.

# Formerly Sesa Sterlite/ Sesa Goa Ltd.

\*\* Included for the first time

Table No. 3.2

Employment Pattern In Ship-Building/  
Ship-Repairing Companies - (2011-2015)

(In numbers)

Name of The Company	Item	As on 31st March				
		2011	2012	2013	2014	2015
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>A. PUBLIC SECTOR</b>	<b>A. PUBLIC SECTOR</b>	<b>20388</b>	<b>20018</b>	<b>19744</b>	<b>19166</b>	<b>18568</b>
	<b>Officers</b>	<b>2779</b>	<b>2697</b>	<b>2599</b>	<b>2566</b>	<b>2536</b>
1. Alcock Ashdown (Gujarat) Ltd.	Total	169	153	132	132	109
	Officers	74	65	56	56	48
2. Cochin Shipyard Ltd.	Total	2220	2382	2306	2524	2544
	Officers	308	322	297	354	318
3. Garden Reach Ship-Builders & Engineers Ltd.	Total	4117	3796	3491	3133	2834
	Officers	493	503	501	463	484
4. Goa Shipyard Ltd.	Total	1666	1602	1602	1545	1545
	Officers	219	224	236	234	234
5. Hindustan Shipyard Ltd.	Total	3275	3130	2874	2568	2270
	Officers	481	463	408	374	364
6. Hooghly Dock & Port Engineers Ltd.	Total	470	449	486	447	408
	Officers	118	46	41	38	35
7. Mazagon Dock Ltd.	Total	8301	8331	8669	8635	8679
	Officers	1067	1057	1048	1025	1034
8. Shalimar Works Ltd.	Total	170	175	184	182	179
	Officers	19	17	12	22	19
<b>B. PRIVATE SECTOR (Total)</b>	<b>Total</b>	<b>17405</b>	<b>18452</b>	<b>17185</b>	<b>9580</b>	<b>13053</b>
	<b>Officers</b>	<b>3347</b>	<b>2863</b>	<b>2782</b>	<b>2278</b>	<b>2329</b>
9. Dempo Shipbuilding & Engg. Ltd.	Total	428	619	470	110	240
	Officers	32	47	49	47	38
10. ABG Shipyard Ltd.	Total	1438	1381	1321	1321	1020
	Officers	833	815	785	785	540
11. Bharati Shipyard Ltd.	Total	5540	5510	5510	1303	1124
	Officers	690	665	665	115	110
12. Chowgule & Co. Ltd.	Total	984	487	144	113	94
	Officers	124	108	117	86	72
13. Ferromar Shipping Pvt. Ltd.*	Total	28	28	5	2	2
	Officers	6	6	3	2	2
14. Vedanta Ltd. **	Total	249	76	60	76	139
	Officers	20	24	20	14	12
15. Wadia Boat Builder	Total	-	-	-	-	-
	Officers	-	-	-	-	-
16. A.C.Roy & Comp. Ltd.	Total	47	58	58	58	58
	Officers	30	30	30	30	30
17. Bristol Boats	Total	31	35	33	13	12
	Officers	10	10	7	4	3
18. Tebma Shipyard Ltd.	Total	246	1083	1083	656	725
	Officers	18	129	129	139	161
19. Larsen & Toubro Limited	Total	3202	4048	4056	843	4126
	Officers	1052	375	346	363	605
20. N N Shipbuilders and Engineers Pvt Ltd	Total	92	92	92	92	92
	Officers	12	12	12	12	12
21. Pipavav	Total	5120	5035	4353	4993	4930
	Officers	520	642	619	681	633
22. Modest Infrastructure Pvt. Ltd. #	Total	-	-	-	-	352
	Officers	-	-	-	-	68
23. Chidambaranar Shipcare Pvt. Ltd. #	Total	-	-	-	-	44
	Officers	-	-	-	-	27
24. Sembmarine Kakinada Ltd. #	Total	-	-	-	-	95
	Officers	-	-	-	-	16
<b>C. Grand Total (A + B)</b>	<b>Total</b>	<b>37793</b>	<b>38470</b>	<b>36929</b>	<b>28746</b>	<b>31621</b>
	<b>Officers</b>	<b>6126</b>	<b>5560</b>	<b>5381</b>	<b>4844</b>	<b>4865</b>

\* Empreiteiros Gerais Pvt. Ltd. Merged with Ferromar Shipping Pvt. Ltd.

\*\* Formerly Sesa Sterlite/Sesa Goa Ltd.

# Included for the first time

## **Section-4**

# **FINANCIAL POSITION OF SHIPBUILDING AND SHIP REPAIRING COMPANIES**



#### **4. FINANCIAL POSITION OF SHIP BUILDING AND SHIP REPAIRING COMPANIES**

4.1. The financial performance of the shipbuilding/ship repair companies in terms of gross income indicates that amongst public sector companies, the highest income earned during 2014-15 was Rs. 4057.71 crore by Mazagon Dock Ltd followed by Rs. 1952.96 crore by Cochin Shipyard Ltd, Rs. 1678.23 crore by Garden Reach Ship-Builders & Engineers Ltd, Rs. 680.77 crore by Goa Shipyard Ltd. and Rs. 323.01 crore by Hindustan Shipyard Ltd. In terms of profit, the highest profit was earned by Mazagon Dock Ltd (Rs. 459.57 crore) followed by Cochin Shipyard Ltd (Rs. 367.56 crore), Goa shipyard Ltd (Rs. 78.24 crore) and Garden Reach Ship-Builders & Engineers Ltd (Rs 76.02 crore). Loss was incurred by Hindustan Shipyard Ltd. (Rs 202.84 crore), Alcock Ashdown Ltd. (Rs 68.67 crore) and Shalimar Works Ltd. (Rs.17.78 crore).

4.2. In private sector, the highest income earned during 2014-15 amongst the reporting companies was by Pipavav (Rs 862.08 crore) followed by Larsen & Toubro Ltd. (592.75 crore), ABG Shipyard Ltd (Rs 401.67 crore) and Tebma Shipyard Ltd (Rs 158.51 crore). In terms of net profit, the highest profit was earned by Chowgule & Co. Ltd (Rs 11.72 crore) followed by A.C. Roy & Comp. Ltd (Rs. 5.15 crore) and N.N. Ship-Builders & Engineers Pvt. Ltd ( 0.75 crore). Highest Loss was incurred by ABG Shipyard Ltd. (Rs. 1185.90 crore), followed by Bharti Shipyard Ltd. (Rs 1006.69 crore) and Larsen & Toubro Ltd. (Rs 673.46 crore).

4.3. Chart XI 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 2015.

**Chart XI: Financial Performance of Major Public and Private Companies in 2014-15**

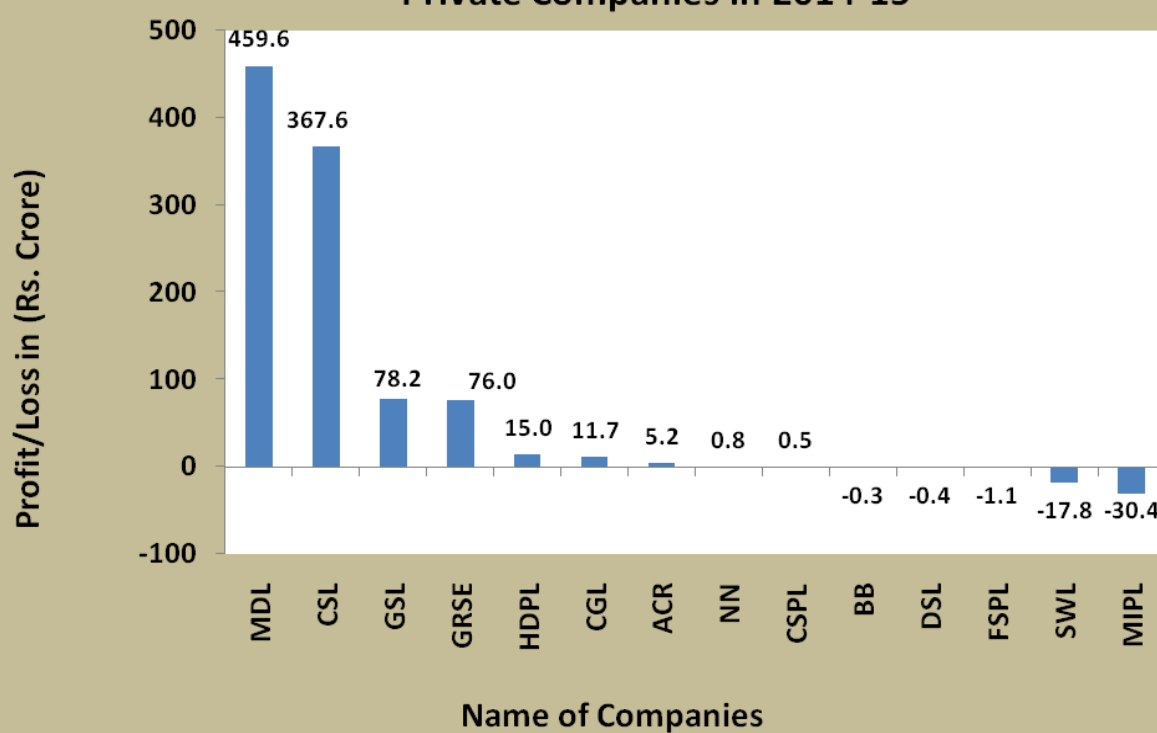


Table No. 4.1

# Financial Performance (Income Earned) : Company - wise (2011 to 2015)

Sl. No.	Name of the Company	As on 31st March	Income from			(Rs. in lakhs)
			Ship Building	Ship Repairing	Other resources	Total Income
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>A. PUBLIC SECTOR</b>						
1.	Alcock Ashdown (Gujarat) Ltd.	2015	-	-	401.39	401.39
		2014	-	-	495.20	495.20
		2013	10989.00	-	1395.97	12384.97
		2012	-	-	806.87	806.87
		2011	6178.08	0.00	566.28	6744.36
2	Cochin Shipyard Ltd.	2015	164299.24	19595.17	11402.22	195296.63
		2014	140956.46	22788.41	7532.96	171277.83
		2013	126759.37	28656.83	8817.36	164233.56
		2012	125949.23	14535.92	7669.33	148154.48
		2011	131996.31	14174.68	14109.21	160280.20
3	Garden Reach Ship-Builders & Engineers Ltd.	2015 ©	201089.00	##1682.00	-34948.00	167823.00
		2014	12435.00	##2385.00	154990.00	169810.00
		2013	23955.00	2098.00	134649.00	160702.00
		2012	30091.00	2458.00	100624.00	133173.00
		2011	27269.00	7931.00	81126.00	116326.00
4	Goa Shipyard Ltd.	2015 (b)	46659.00	10296.00	11122.00	68077.00
		2014	42167.00	8723.00	4362.00	55252.00
		2013	39241.00	11421.00	5760.00	56422.00
		2012	66156.00	1487.00	4645.00	72288.00
		2011	66476.00	23711.00	12552.00	102739.00
5	Hindustan Shipyard Ltd.	2015	12866.91	16549.06	2885.08	32301.05
		2014	23914.00	21426.00	6567.00	51907.00
		2013	19608.00	28776.00	7867.00	56251.00
		2012	26228.59	31988.83	2216.28	60433.70
		2011	29149.60	36064.84	43846.65	109061.09
6	Hooghly Dock & Port Engineers Ltd.	2015	295.22	-	4931.53	5226.75
		2014	-	-	25006.40	25006.40
		2013	512.84	-	2312.80	2825.64
		2012	120.50	-	63247.61	63368.11
		2011	600.00	-	98.00	698.00
7	Mazagan Dock Ltd.	2015 (b)	351433.00	-	54338.00	405771.00
		2014	288672.00	-	61265.00	349937.00
		2013	229064.00	-	56966.00	286030.00
		2012	246068.00	6301.00	54621.00	306990.00
		2011	219948.00	-	62666.00	282614.00
8	Shalimar Works Ltd.	2015	950.00	127.84	244.97	1322.81
		2014	2408.83	155.02	535.96	3099.81
		2013	887.29	123.46	270.84	1281.59
		2012	1484.24	238.60	445.90	2168.74
		2011	1968.52	70.09	923.53	2962.14
<b>B. PRIVATE SECTOR</b>						
9	Dempo Shipbuilding and Engineering Ltd.	2015 (b) *	4045.73	803.00	(-)1575.18	3273.55
		2014 *	1542.86	804.46	1459.77	3807.09
		2013 *	8549.30	446.58	(-)981.86	8014.02
		2012	5126.33	1025.56	835.31	6987.20
		2011	6215.55	1784.19	228.23	8227.97
10	ABG Shipyard Ltd.	2015	36710.00	1864.00	1593.00	40167.00
		2014	146398.00	1111.00	15981.00	163490.00
		2013	194528.00	8683.00	11722.00	214933.00
		2012	234224.00	132.00	8930.00	243286.00
		2011	199180.00	19.00	8905.00	208104.00

**Table No. 4.1**  
**Contd...**

**Financial Performance (Income Earned) Company - wise**  
**(2011 to 2015)**

(Rs. in lakhs)

Sl. No.	Name of the Company	As on 31st March	Income from			Total Income
			Ship Building	Ship Repairing	Other resources	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
11	Bharati Shipyard Pvt. Ltd.	2015	2497.98	623.47	1251.33	4372.78
		2014	17939.84	633.96	2980.86	21554.66
		2013	50529.48	-	789.84	51319.32
		2012	140587.38	-	15.89	140603.27
		2011	156900.60	21.96	1211.93	158134.49
12	Chowgule & Co.Ltd.	2015	6514.16	-	168.86	6683.02
		2014	8752.08	-	772.13	9524.21
		2013	23066.78	-	2289.72	25356.50
		2012	16922.90	-	4757.63	21680.53
		2011	18360.46	-	5344.00	23704.46
13	Ferromar Shipping Pvt. Ltd. #	2015	-	-	675.13	675.13
		2014	-	-	740.57	740.57
		2013	-	-	604.78	604.78
		2012	-	-	734.40	734.40
		2011	...	5.15	916.48	921.63
14	A.C.Roy & Comp. Ltd.	2015	2312.00	155.00	171.00	2638.00
		2014	2162.00	181.00	275.00	2618.00
		2013	2084.00	221.00	199.00	2504.00
		2012	1995.00	269.00	152.00	2416.00
		2011	2015.00	141.00	103.00	2259.00
15	Bristol Boats	2015	-	3.70	108.47	112.17
		2014	209.15	9.61	16.80	152.78 **
		2013	419.11	10.95	100.13	364.06 **
		2012	70.12	25.25	172.51	267.88
		2011	0.00	208.95	2.34	211.29
16	Tebma Shipyard Ltd.	2015	15142.73	-	708.50	15851.23
		2014	29219.20	-	1108.90	30328.10
		2013	37105.48	-	3501.31	40606.79
		2012	32547.28	-	2712.99	35260.27
		2011	5951.61	-	9468.40	15420.01
17	Larsen & Toubro Limited	2015	54389.52	4482.01	404.34	59275.87
		2014	50816.78	2128.48	1612.34	54557.60
		2013	10347.00	-	1256.00	11603.00
		2012	...	...	...	...
		2011	...	...	...	...
18	N N Shipbuilders and Engineers Pvt Ltd	2015	227.52	-	1502.65	1730.17
		2014	100.00	-	1282.55	1382.55
		2013	145.44	88.07	1176.45	1409.96
		2012	513.10	7.39	581.60	1102.09
		2011	426.43	...	463.51	889.94
19	Pipavav	2015	29303.55	40835.79	16068.57	86207.91
		2014	122917.03	-	108990.60	231907.63
		2013	146930.00	-	114373.00	261303.00
		2012	186767.00	-	2379.00	189146.00
		2011	85993.08	-	4106.55	90099.63
20	Modest Infrastructure Pvt. Ltd. ^	2015	5117.88	48.92	134.68	5301.48
		2014	3735.32	-	216.32	3951.64
21	Chidambaranar Shipcare Pvt. Ltd	2015	36.09	1370.31	8.28	1414.68
		2014	187.63	1031.16	18.67	1237.46
22	Sembmarine Kakinada Ltd. ^	2015	-	5756.63	804.70	6561.33
		2014	-	1336.03	1041.19	2377.22

@ After adjusting accretion/decretion to work in progress.

\* Income from other sources excludes WIP Rs. 1229.38 lakh and Rs. 1858.59 lakh in 2013 & 2015 respectively . It includes WIP Rs. 1085.29 lakh in 2014

# Empreiteiros Gerais Pvt. Ltd. merged with Ferromar Shipping Pvt. Ltd. w.e.f. 16.4.2010.

\*\* Total income adjusted for losses due to revenue incomplete contract- manufacture Rs. 166.13 lakh for the year 2013 lakh & Rs. 82.78 lakh for the year 2014

# # Income from Ship repairing (sales)

(b) Provisional / Unaudited

^ Included for the first time

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

Table No. 4.2

Financial Performance (Expenditure) : Company-wise  
(2011 to 2015)

(Rs. in lakhs)

Sl. No.	Name of the Company	As on 31st March	Expenditure incurred on			Total Expenditure	Profit (+)/Loss (-)
			Operating establishment and other expenses	Provision for Depreciation	Interest		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<b>A. PUBLIC SECTOR</b>							
1	Alcock Ashdown (Gujarat) Ltd.	2015	423.51	159.71	6685.11	7268.33	(-) 6866.94
		2014	530.15	132.01	5725.77	6387.93	(-) 5892.73
		2013	14580.40	132.02	7328.15	22040.57	(-) 9655.60
		2012	3164.70	132.74	5258.51	8555.95	(+) 7749.08
		2011	5823.05	141.07	2984.53	8948.65	(-) 2204.29
2	Cochin Shipyard Ltd.	2015	152875.64	3832.39	1832.16	158540.19	(+) 36756.44
		2014	147447.68	2428.62	1977.31	151853.61	(+) 19424.22
		2013	141472.04	1921.59	2313.17	145706.80	(+) 18526.76
		2012	127802.43	1807.27	1312.09	130921.79	(+) 17232.69
		2011	133099.44	1761.18	2666.81	137527.43	(+) 22752.77
3	Garden Reach Ship-Builders & Engineers Ltd.	2015	157340.00	2711.00	170.00	160221.00	(+) 7602.00
		2014	148442.00	2207.00	438.00	151087.00	(+) 18723.00
		2013	139951.00	1391.00	45.00	141387.00	(+) 19315.00
		2012	114968.00	1270.00	-	116238.00	(+) 16935.00
		2011	98853.00	1047.00	150.00	100050.00	(+) 16276.00
4	Goa Shipyard Ltd.	2015 *	61789.00	898.00	73.00	60253.00 **	(+) 7824.00
		2014	57762.00	1727.00	2042.00	61361.00 **	(-) 6109.00
		2013	50631.00	1817.00	2424.00	54872.00	(+) 1550.00
		2012	56351.00	1628.00	1706.00	59685.00	(+) 12603.00
		2011	74878.00	851.00	531.00	76260.00	(+) 26479.00
5	Hindustan Shipyard Ltd.	2015	50679.55	680.07	1225.10	52584.72	(-) 20283.67
		2014 *	54850.00	753.00	925.00	56528.00	(-) 4621.00
		2013	59202.00	789.00	1777.00	61768.00	(-) 5517.00
		2012	67052.94	796.68	1182.42	69032.04	(-) 8598.34
		2011	101353.73	767.73	1434.64	103556.10	(+) 5499.99
6	Hooghly Dock & Port Engineers Ltd.	2015	3137.47	50.57	537.97	3726.01	(+) 1500.74
		2014	6544.80	29.45	431.41	7005.66	(+) 18000.74
		2013	6533.96	34.80	240.98	6809.74	(-) 3984.10
		2012	4156.16	40.40	94.51	4291.07	(+) 59077.04
		2011	1698.00	50.00	4450.00	6198.00	(-)5500.00
7	Mazagon Dock Ltd.	2015 *	357922.00	1889.00	3.00	359814.00	(+) 45957.00
		2014	308344.00	1823.00	9.00	310176.00	(+) 39761.00
		2013	243204.00	1464.00	90.00	244758.00	(+) 41272.00
		2012	233895.00	1314.00	2603.00	237812.00	(+) 69178.00
		2011	244736.00	1256.00	17.00	246009.00	(+) 24352.00
8	Shalimar Works Ltd.	2015	1352.92	31.42	1716.59	3100.93	(-) 1778.12
		2014	3188.21	27.57	1590.32	4806.10	(-) 1706.29
		2013	1889.35	30.61	1505.53	3425.49	(-) 2143.90
		2012	2520.38	35.03	1361.48	3916.89	(-) 1748.15
		2011	2656.64	39.03	1240.26	3935.93	(-) 974.79
<b>B. PRIVATE SECTOR</b>							
9	Dempo Shipbuilding and Engineering Ltd.	2015 *	2922.84	150.00	242.00	3314.84	(-)41.29
		2014	4185.76	295.82	289.94	4771.52	(-) 964.44
		2013	6880.02	265.16	336.82	7482.00	(+) 532.01
		2012	6264.80	245.28	148.54	6658.62	(+) 313.71
		2011	7166.41	173.77	154.41	7494.59	(+)733.38
10	ABG Shipyard Ltd.	2015	76334.00	9914.00	72509.00	158757.00	(-) 118590.00
		2014	126458.00	9178.00	57472.00	193108.00	(-) 29618.00
		2013	147062.00	10371.00	40130.00	197563.00	(+) 17370.00
		2012	172409.00	9925.00	33074.00	215408.00	(+) 18029.00
		2011	159833.00	6303.00	13947.00	180083.00	(+)18880.00

**Table No. 4.2**  
(Contd...)

**Financial Performance (Expenditure) : Company-wise**  
**(2011 to 2015)**

(Rs. in lakhs)

Sl. No.	Name of the Company	As on 31st March	Expenditure incurred on			Total Expenditure	Profit (+)/Loss (-)
			Operating establishment and other expenses	Provision for Depreciation	Interest		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
11	Bharati Shipyard Pvt. Ltd. \$	2015	15638.51	6227.02	29480.50	105041.51 #	(-) 100668.73
		2014	38887.31	4939.92	51184.26	124138.79 #	(-) 102584.13
		2013	55897.17	4684.43	44713.25	105294.85	(-) 53975.53
		2012	92416.31	3997.03	49048.59	145461.93	(-) 4858.64
		2011	111402.09	2150.77	26632.63	140185.49	(+) 17949.00
12	Chowgule & Co. Ltd.	2015	6226.81	1508.36	119.37	7854.54	(+) 1171.52
		2014	5391.27	993.04	3.40	6387.71	(+) 3136.50
		2013	22495.86	917.13	0.02	23413.01	(+) 1943.49
		2012	16548.34	889.75	66.90	17504.99	(+) 4175.53
		2011	21878.72	1002.88	137.38	23018.98	(+) 685.49
13	Ferromar Shipping Pvt. Ltd. @	2015	306.65	464.66	10.03	781.34	(-) 106.21
		2014	414.87	107.62	25.41	547.90	(+) 192.67
		2013	194.22	253.74	111.23	559.19	(+) 45.59
		2012	253.40	235.36	69.21	557.97	(+) 176.43
		2011	327.98	441.20	96.00	865.18	(+) 56.45
14	A.C.Roy & Comp. Ltd.	2015	2035.00	71.00	17.00	2123.00	(+) 515.00
		2014	2017.00	69.00	21.00	2107.00	(+) 511.00
		2013	2008.00	83.00	19.00	2110.00	(+) 394.00
		2012	2001.00	61.00	18.00	2080.00	(+) 336.00
		2011	1951.00	52.00	21.00	2024.00	(+) 235.00
15	Bristol Boats	2015	127.07	6.82	5.14	139.03	(-) 26.86
		2014	244.77	8.69	18.98	272.44	(-) 119.66
		2013	426.36	13.34	20.85	460.55	(-) 96.49
		2012	294.94	14.67	13.56	323.17	(-) 55.29
		2011	217.69	17.65	5.92	241.26	(-) 29.97
16	Tebma Shipyard Ltd.	2015	14256.08	1814.48	3039.75	19110.31	(-) 3259.08
		2014	31881.23	1917.68	3198.52	36997.43	(-) 6669.33
		2013	34502.39	2015.35	3959.25	40476.99	129.80
		2012	31326.49	2252.51	3948.53	37527.53	(-) 1273.26
		2011	17468.26	2274.85	3232.69	22975.80	(-) 7555.80
17	Larsen & Toubro Limited	2015	81281.10	15141.39	30199.94	126622.43	(-) 67346.56
		2014	73741.14	17910.77	27744.13	119396.04	(-) 64838.44
		2013	17939.00	3233.00	4113.00	25285.00	(-) 13682
		2012	...	...	...	...	...
		2011	...	...	...	...	...
18	N N Shipbuilders and Engineers Pvt Ltd	2015	1626.72	28.00	-	1654.72	(+) 75.45
		2014	1305.51	25.00	-	1330.51	(+) 52.04
		2013	1309.59	30.84	-	1340.43	(+) 69.53
		2012	1058.17	19.27	-	1077.44	(+) 24.65
		2011	851.70	2.64	9.80	864.14	(+) 25.80
19	Pipavav	2015	73814.39	13134.35	45269.29	132218.03	(-) 46010.12
		2014	166423.94	16170.40	46520.81	229115.15	(+) 2792.48
		2013	205149.00	12270.00	39746.00	257165.00	(+) 4138.00
		2012	145520.00	10589.00	25768.00	181877.00	(+) 7269.00
		2011	67572.47	5198.09	11900.69	84671.25	(+) 5428.38
20	Modest Infrastructure Pvt. Ltd. *** /	2015	5936.36	261.27	2139.32	8336.95	(-) 3035.47
		2014	6163.66	939.11	2778.91	9881.68	(-) 5930.04
21	Chidambaranar Shipcare Pvt. Ltd. /	2015	1300.43	16.57	52.33	1369.33	(+) 45.35
		2014	1097.85	17.55	49.13	1164.53	(+) 72.93
22	Sembmarine Kakinada Ltd. ^	2015	7836.62	3989.81	3475.61	15302.04	(-) 8740.71
		2014	2341.16	2653.30	2140.67	7135.13	(-) 4757.91

\* Provisional/ Unaudited

@ Empreiteiros Gerais Pvt. Ltd. merged with Ferromar Shipping Pvt. Ltd. w.e.f. 16.4.2010.

\$ Interest for the year 2013-14 includes exceptional item Rs. 29127.30 lacs.

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

# Includes exceptional item Rs. 29127.30 lakh and Rs. 53695.48 lakh in 2014 & 2015 respectively.

\*\*\* Interest includes short provision of earlier years Rs. 45.90 lakhs in 2015 and exceptional item Rs. 743.51 lakhs in 2014

^ Included for the first time

## **Section -5**

# **INTERNATIONAL SCENARIO**

## **5. INTERNATIONAL SCENARIO**

5.1. This section comprises comparative time series data on ship building activity in term of order and completion and by type and country (Table 5.1 to 5.6).

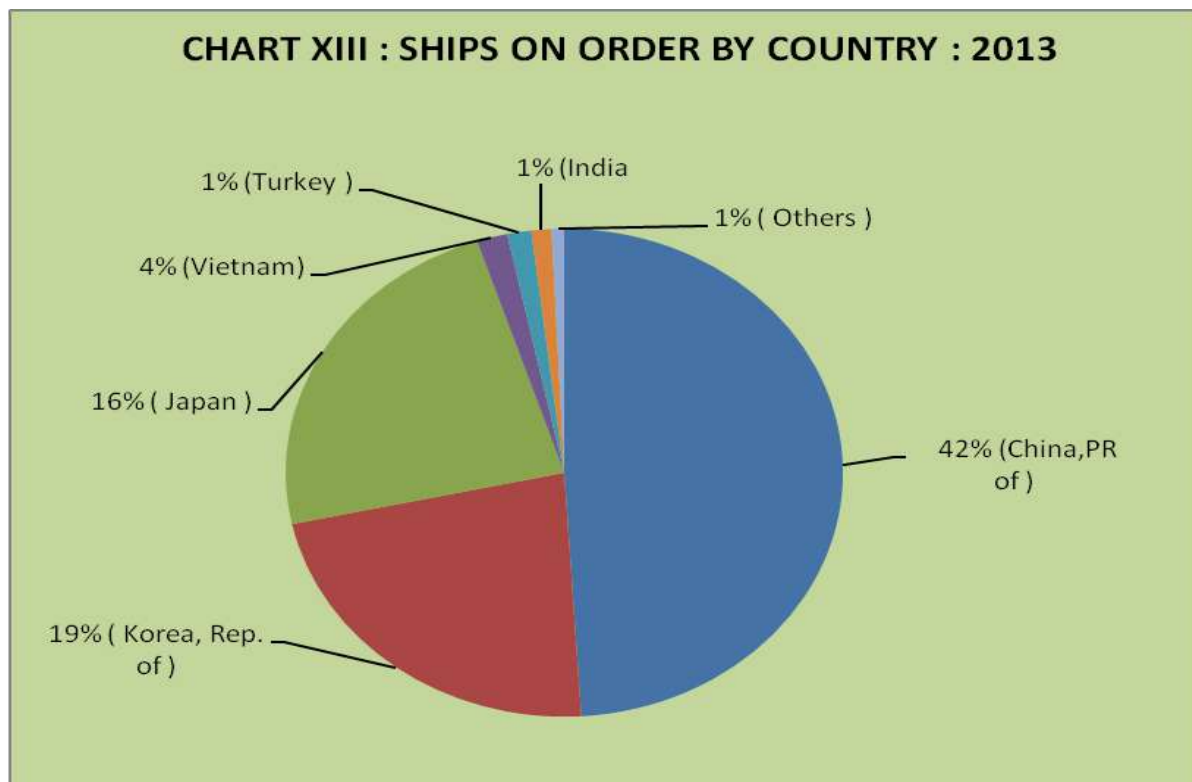
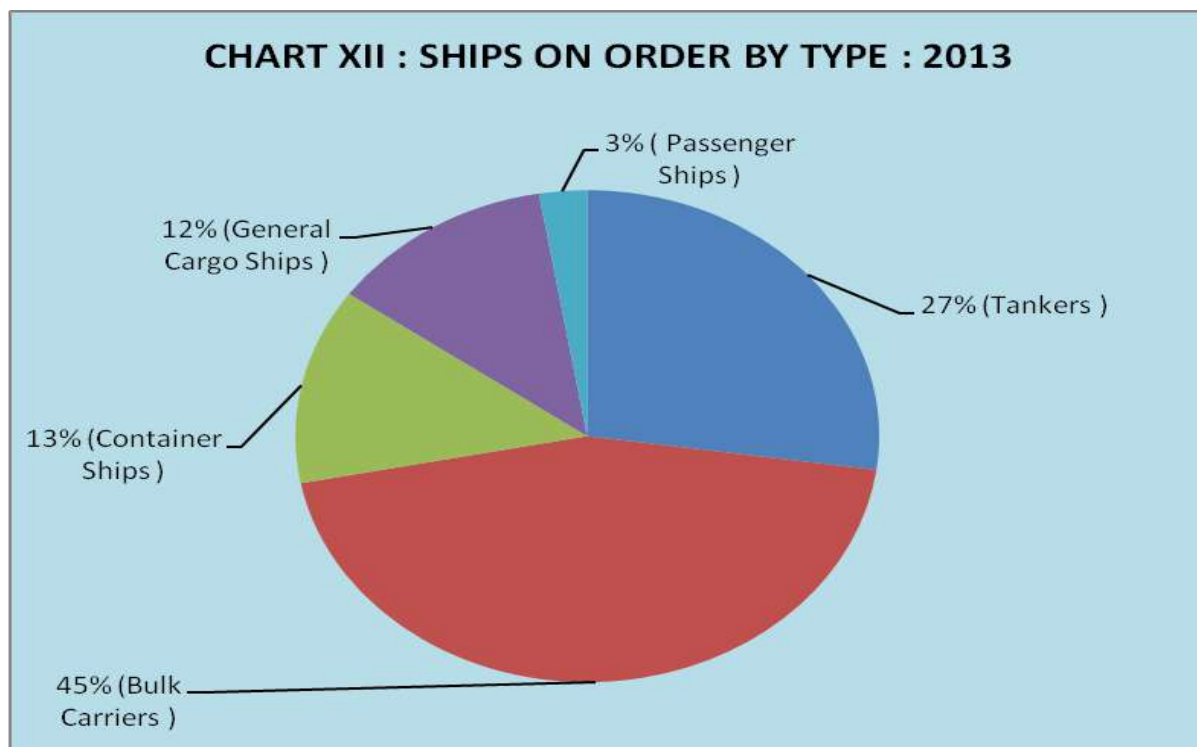
5.2. The number of ships on order reflects the demand side dynamics of the world shipping industry. Over the period (1998 to 2013), the number of ships on order at a global level has increased from 1917 units in 1998 to 3431 units in 2013. Ships on order in terms of gross tonnage (GT) have gone up from 53.42 million GT in 1998 to 79.12 million GT in 2013. During the year 1998 to 2013, order book of world shipbuilding industry had witnessed CAGR of 3.95% and 2.65% on order in term of numbers of ships and gross tonnage respectively.

5.3. The number of ships built and delivered recorded in terms of gross tonnage (GT), were of the order 95 million GT in 2012 (Table 5.4) reflecting a fall of 8.6 % over 104 million GT completed in 2011. In terms of number, the total number of ships completed decreased to 3024 units in 2012 from 3393 units in 2011. Ore & Bulk Carriers contributed 53.2 million GT in 2012, which is more than 50 % of the total GT of ships delivered in 2012 (Table 5.5).

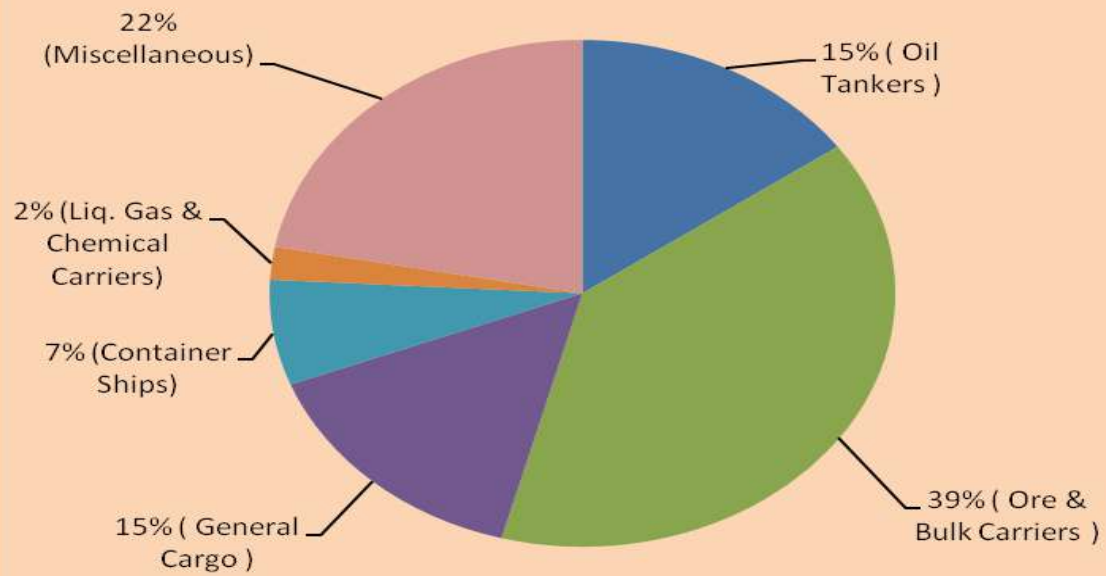
5.4. Tables 5.2 and 5.4 provide country-wise data on the ship order book position and ship completion. China, Republic of Korea, and Japan were the top three nations which accounted for a global share of 40.6%, 33.1% and 18.2% respectively in ship completion (deliveries) in terms of gross tonnage in 2012.



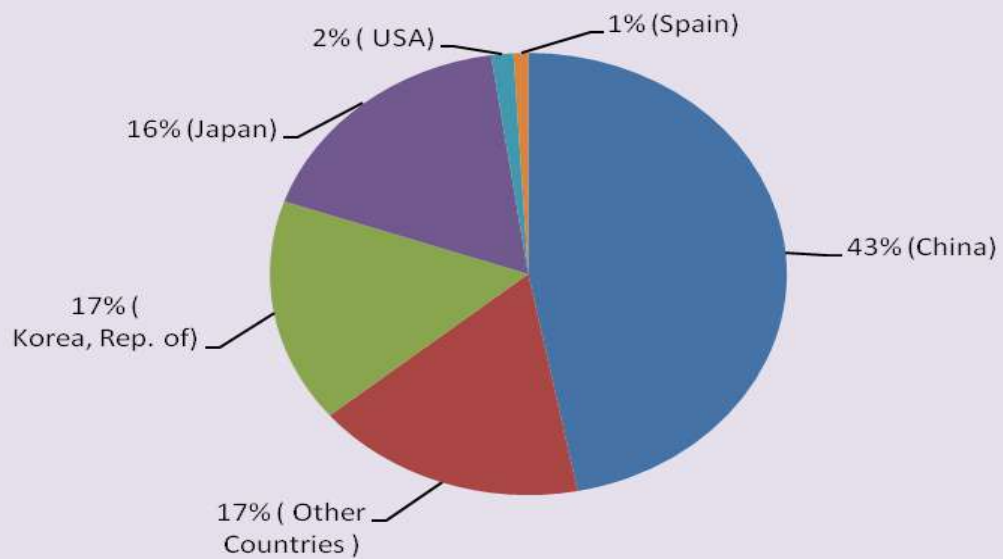
5.5. The different types of ships on order and delivered in the world may be seen from the following charts.



**CHART XIV : SHIPS COMPLETED BY TYPE :2012**



**CHART XV : SHIPS COMPLETED BY COUNTRY : 2012**



Source: Shipping Statistics Yearbook 2013

Table No. 5.1

**World Ship-building - Ships On Order And Completed  
During The Years (1st July) 1998 - 2013**

Year	Ships on Order *		Ships Completed @	
	No	1000 gt	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	2383	88663	1731	36786
2004	3338	127396	1931	40586
2005	4324	162852	2317	46904
2006 **	5645	206741	2447	52118
2007	7433	279510	2561	57459
2008	9450	369187	3038	68006
2009	8707	541191	3315	79483
2010	6968	283918	3575	99638
2011	6015	253232	3393	103568
2012	4482	180813	3024	95141
2013	3431	79120	-	-

\* Ships of 300gt and Over.

\*\* As on 1st October, 2006.

@ Merchant Ships of 100gt and Over.

Source : Shipping Statistics Year book 2013

Table No.5.2

### Ships on Order by Major Types and Country of Build (As on 1st July, 2013)

Ships of 300 gt. And above

Country of Build	Tankers		Bulk Carriers		Container Ships		General Cargo Ships		Passenger Ships		Total	
	No.	1000gt	No.	1000gt	No.	1000 TEU	No.	1000 TEU	No.	1000gt	No.	1000gt+TEU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Japan	77	3447	532	23566	14	103	69	1	10	285	702	27402
Korea Rep.	363	20784	95	5019	156	1761	67	42	-	-	681	27606
Italy	1	11	-	-	-	-	3	0	13	865	17	876
China PR of	266	12438	826	34952	206	1056	159	113	20	278	1477	48837
Germany	-	-	-	-	-	-	6	2	9	870	15	872
Poland	1	8	-	-	-	-	2	1	5	25	8	34
Croatia	3	71	-	-	-	-	2	0	-	-	5	71
Spain	-	-	-	-	-	-	-	-	1	4	1	4
Romania	6	305	-	-	8	72	2	0	-	-	16	377
Denmark	-	-	-	-	-	-	-	-	-	-	0	0
US	6	246	-	-	2	6	1	2	2	10	11	264
Taiwan	-	-	2	42	19	116	-	-	-	-	21	158
Ukraine	2	10	-	-	-	-	-	-	-	-	2	10
Netherlands	2	6	-	-	2	2	43	8	-	-	47	16
Bangladesh	55	53	-	-	-	-	26	3	-	-	81	56
France	-	-	-	-	-	-	-	-	2	228	2	228
Russia	28	187	-	-	-	-	5	0	-	-	33	187
Turkey	29	163	-	-	2	2	11	2	-	-	42	167
Norway	-	-	-	-	-	-	2	0	5	56	7	56
Portugal	2	33	-	-	-	-	-	-	2	8	4	41
Bulgaria	-	-	-	-	-	-	-	-	-	-	0	0
Philippines	4	124	35	1638	26	151	-	-	1	5	66	1918
Egypt	-	-	-	-	-	-	1	0	-	-	1	0
Finland	-	-	-	-	-	-	-	-	-	-	0	0
India	-	-	27	480	-	-	8	2	-	-	35	482
Lithuania	-	-	-	-	-	-	7	0	-	-	7	0
Iran	6	251	-	-	-	-	-	-	-	-	6	251
Australia	-	-	-	-	-	-	-	-	3	11	3	11
Brazil	46	2127	1	48	3	8	-	-	-	-	50	2183
Slovakia	-	-	-	-	-	-	-	-	-	-	0	0
Indonesia	5	56	-	-	-	-	-	-	-	-	5	56
Singapore	-	-	-	-	-	-	-	-	-	-	0	0
Vietnam	19	394	15	378	4	4	16	1	-	-	54	777
Argentina	4	113	-	-	-	-	-	-	-	-	4	113
UAE	-	-	-	-	-	-	-	-	1	1	1	1
Malaysia	-	-	-	-	-	-	-	-	-	-	0	0
Sri Lanka	-	-	-	-	-	-	-	-	2	4	2	4
Canada	-	-	-	-	-	-	-	-	3	11	3	11
Czech Republic	-	-	-	-	-	-	-	-	-	-	0	0
Chile	-	-	-	-	-	-	-	-	-	-	0	0
Others	8	8	2	57	0	1	0	-	12	278	22	344
<b>Total</b>	<b>933</b>	<b>40835</b>	<b>1535</b>	<b>66180</b>	<b>442</b>	<b>3282</b>	<b>430</b>	<b>177</b>	<b>91</b>	<b>2939</b>	<b>3431</b>	<b>79120 *</b>

\* Total of all container and all type of Ships will not tally with grand total as unit of Container Ships and General Cargo Ships are in TEUs.

Table No. 5.3

### Ship on order by Type

As on 1st July, 2011-13

Ship Type	Ships of 300gt and over					
	2011		2012		2013	
	No of Ships	1000gt	No of Ships	1000gt	No of Ships	1000gt
(1)	(4)	(5)	(6)	(7)	(6)	(7)
Tankers	1303	592622	1126	46721	933	23992
Bulk Carriers	2743	126648	1862	81102	1535	28737
Container Ships	657	48358	541	40193	442	17404
General Cargo Ships	1176	16002	832	10247	430	5753
Passenger Ships	136	2961	121	2550	91	3234
<b>Grand Total</b>	<b>6015</b>	<b>253232</b>	<b>4482</b>	<b>180183</b>	<b>3431</b>	<b>79120</b>

Source: Shipping Statistics Year Book 2013.

Table No. 5.4

### Merchant Ships Completed By Country Of Build (2010-2012) \*

(Ships of 100 gt &amp; Over)

Country of Build (1)	2010		2011		2012	
	No. (2)	1000 gt (3)	No. (4)	1000 gt (5)	No. (6)	1000 gt (7)
(1) Belgium	-	-	-	-	-	-
(2) Brazil	17	45.7	25	101.7	17	180.5
(3) Denmark (a)	6	431.9	6	118.5	6	37.7
(4) Finland	1	225	3	48.3	7	76.0
(5) France	5	254.2	4	2.0	5	139.1
(6) China	1439	36489.8	1464	40329.3	1324	38633.3
(7) Germany FR of (b)	34	925.6	17	407.7	14	457.0
(8) Italy	35	688.4	13	383.0	9	320.4
(9) Korea, Rep. Of	505	31240.6	573	37105.3	462	31502.0
(10) Japan	604	20204.6	564	19443.2	490	17348.6
(11) Netherlands	21	136.6	23	172.7	51	137.2
(12) Norway	7	20.5	8	12.1	44	201.0
(13) Poland	40	162.9	28	101.4	12	53.2
(14) Spain	57	316.8	43	208.3	26	62.4
(15) Philippines	35	1181.4	29	1630.2	37	2696.1
(16) United Kingdom	0	0	0	0.0	1	0.8
(17) United States	73	236.7	46	119.0	39	136.9
(18) Other Countries	652	3670.8	576	3914.7	480	3158.5
<b>World Total</b>	<b>3531</b>	<b>96231.5</b>	<b>3422</b>	<b>104097.4</b>	<b>3024</b>	<b>95140.7</b>

(a) Includes Faeroes.

(b) Figures for the Federal Republic of Germany include the former German Democratic Republic.

\* Data relates to vessels of all size of capacity completed during the financial year ended on 31st March and the year given in respective column above should be read as 2009-10 for year 2010, 2010-11 for 2011 and so on.

Source : Shipping Statistics Year Book 2013.

Table No. 5.5

# World Merchant Ships Completed By Principle Types (1986-2012)

(Ships of 100gt and over)

Year	Oil Tankers		Bulk/Oil Carriers(a)		Ore & Bulk Carriers		General Cargo(b),(d)		General Cargo (c)	
	No.	1000gt	No.	1000gt	No.	1000gt	No.	1000gt	No.	1000gt
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1986	143	3778	10	659	198	6695	200	1612	148	122
1987	134	3052	6	499	105	3847	147	2133	129	83
1988	173	4131	2	207	50	2088	153	1790	166	105
1989	161	5013	2	42	103	3844	309	1180	...	...
1990	151	5079	-	-	123	5536	350	1598	...	...
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	...	...
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	...	...
2001	183	8137	2	78	309	11101	202	1589	...	...
2002	254	12771	-	-	225	7726	194	1828	...	...
2003	375	16874	2	142	163	6323	204	2299	...	...
2004	387	15662	-	-	256	10260	258	2792	...	...
2005	426	16615	-	-	311	12492	383	3311	...	...
2006	439	14195	-	-	315	13257	292	1498	...	...
2007	582	17619	-	-	323	13398	505	4948	...	...
2008	750	21204	-	-	352	13300	540	6294	...	...
2009	747	26492	1	162	567	23577	600	6622	...	...
2010	668	23324	4	688	1014	44258	565	7118	...	...
2011	535	22234	3	516	1181	53277	580	7482	...	...
2012	459	17942	-	-	1179	53192	453	5952	...	...

Table No. 5.5

# World Merchant Ships Completed By Principle Types (1986-2012)

(Ships of 100gt and over)

Year	Container		Liquified Gas &		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)
1986	61	1806	82	444	391	240	401	1487	1634	16845
1987	41	1125	60	202	526	260	380	1058	1528	12259
1988	38	1473	55	153	576	380	362	583	1575	10909
1989	46	1247	97	653	518	377	363	881	1593	13236
1990	68	1655	117	789	498	334	365	894	1672	15885
1991	78	1910	131	963	367	238	350	945	1574	16095
1992	88	2173	125	883	231	197	394	1026	1506	18633
1993	92	2083	131	1137	229	137	424	1196	1560	19714
1994	142	3128	106	1333	160	137	359	736	1466	18845
1995	166	3706	106	1243	157	86	401	1128	1565	22236
1996	201	4591	149	1746	175	99	435	1448	1732	25527
1997	247	5761	124	1627	186	94	546	1300	1850	24828
1998	256	6034	150	1759	164	74	524	1900	1729	25334
1999	124	2929	133	2186	144	104	526	1930	1564	27649
2000	155	2571	67	2028	247	163	462	2078	1650	31768
2001	188	6980	51	616	262	124	498	2717	1695	31342
2002	201	7217	64	1521	140	73	631	2420	1709	33556
2003	176	6282	107	2608	137	96	567	2162	1731	36786
2004	179	7105	90	2687	161	102	600	1978	1931	40586
2005	268	10307	86	2686	123	50	720	1443	2317	46904
2006	352	14640	124	3768	75	51	850	4685	2447	52118
2007	398	14563	133	4381	41	31	579	2519	2561	57459
2008	429	16259	171	7928	33	37	763	2983	3038	68006
2009	290	12048	201	7242	34	36	875	3306	3315	79483
2010	265	14939	90	1714	37	36	843	4340	3575	99638
2011	189	13378	70	1714	25	25	727	3946	3393	103568
2012	203	13668	63	610	...	...	667	3776	3024	95141

(a) : Includes Ore/Oil Carriers.

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

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

(d) : Since 1998 all ships of 100 gt. and over are included.

Source : Shipping Statistics Year Book, 2013.



Table No. 5.6

### Total Order Book - By Country of Build (As on 1st July,2013)

(Ships of 300 gt and over)

Country	2012			2013		
	Total Order Book			Total Order Book		
	No	1000cgt	1000 dwt	No	1000cgt	1000 dwt
1	2	3	4	5	6	7
China, PR of	1899	34815	123217	1477	30384	102125
Croatia	17	202	368	13	175	261
Phillippines	79	2049	8347	66	1730	5056
Finland	5	161	14	2	218	22
France	3	192	18	2	198	16
Germany. FR of	32	1163	281	15	923	170
Italy	13	764	103	17	1034	147
Japan	722	13907	48639	702	14241	51229
Korea, Republic of	863	29792	81534	681	24912	60586
Netherlands	34	191	198	47	241	249
Poland	21	177	65	8	63	24
Romania	31	375	856	16	621	1524
Russia	71	474	564	33	255	325
Spain	4	36	11	1	13	1
Turkey	94	715	662	42	380	403
U.S	12	287	600	11	212	540
Other Countries	582	5566	12295	298	78803	8732
<b>Total</b>	<b>4482</b>	<b>90866</b>	<b>277772</b>	<b>3431</b>	<b>154403</b>	<b>231410</b>

Source: Shipping Statistics Year Book 2013

## 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 a 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 crange 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 unberthed passenger.

**Unberthed Passenger Ship** - A ship carrying more than thirty unberthed passengers.

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