



## **Dredging Corporation of India Limited**

A Government of India Undertaking

#### **CORPORATE PRESENTATION**

AUGUST 16, 2015

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## **Agenda**



- 1 INDUSTRY OVERVIEW
- 2 COMPANY OVERVIEW
- 3 COMPANY STRENGTHS AND STRATEGIES
- 4 OPERATIONAL AND FINANCIAL PERFORMANCE
- 5 **A**NNEXURE

### **Industry Overview**



Dredging is the process of excavating or removing soil or rock from below water using dredgers. The operation of dredging involves two main stages (i) the material to be removed has to be disturbed and loosened and then lifted to the water surface and (ii) every cubic meter of material dredged should be relocated or disposed of to a suitable disposal site as identified. The main objective of dredging is the creation of deeper and/or wider waterways to improve navigation of ships.

#### Dredging market is a composition of various types of activities such as:

Capital Dredging (creating depths)

Maintenance Dredging (maintaining depths)

**Inland Dredging** 

Dredging for land reclamation

Capital dredging projects are primarily port creation and expansion projects, which also involve the deepening and/or widening of channels to allow access by larger and deeper draught ships and also the provision of land fill for building additional port facilities, thereby enhancing port capability.

Maintenance dredging consists of the restoration of designed depths of waterways and harbors by removing silt, sand and other accumulated sediments. Due to natural sedimentation, active channels generally require periodic maintenance dredging, thus creating a continuous source of dredging work that typically must be carried out if the navigability of the channels is to be maintained.

Inland dredging consists of dredging in rivers, canals, lakes and other inland bodies of water. It is used to create or maintain depths in inland waterways for inland transportation, for flood control, to increase capacity of silted ponds and also to remove polluted sediments.

Reclamation dredging involves capital dredging and is the raising of land levels and creation of land. Beach nourishment dredging generally involves moving sand from the seabed to shoreline locations when erosion has progressed to a stage that threatens substantial shoreline assets or affects tourism.

(Source: The Handbook Dredging (A dredging reference manual) published by Applied Dredging Consultancy, The Hague Netherlands, 1989 in association with Ministry of Foreign Affairs, Kingdom of Netherlands and then the Ministry of Surface Transport, Republic of India)

### **Indian Dredging Market**



The increased focus on infrastructure and impetus by the government to make India a global transshipment hub, coupled with some of the large dredging projects already announced, reflects the high potential of the Indian dredging market.

#### **Demand Drivers**

Market Size ~Rs. 20,000 Cr. by 2020

- 1 Deeper Draft at Ports | Atleast 14 mtrs.
- 2 Increase in EXIM Trade and throughput Capacity at Ports
- 3 Land Reclamation
- 4 Emerging Trends | Ultra Mega Size Vessels
- 5 Consistent maintenance and capital dredging at existing ports
- 6 Inland Transport & water linking projects
- 7 Tourism Development | Beach nourishment

## **Maintenance Dredging Forecast 12th Five year Plan**



In Million Cubic Mtrs.

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Port	2012-13	2013-14	2014-15	2015-16	2016-17	Total
Kolkata	22.00	22.00	24.00	22.00	21.00	111.00
Paradip	6.00	6.0	6.0	6.0	6.0	30.00
Vizag	0.75	0.75	0.75	0.75	0.75	3.75
Chennai	1.20	1.20	1.20	1.20	1.20	6.00
Tuticorin	-	-	-	1	1	-
Cochin	18.00	18.00	18.00	18.00	18.00	90.00
New Mangalore	6.00	6.00	6.00	6.00	6.50	30.50
Marmugao	4.00	4.00	4.00	4.00	4.00	20.00
Mumbai	1.50	4.50	4.50	5.50	5.50	21.50
JNPT	-	-	6.30	6.30	6.30	18.90
Kandla	6.50	7.50	9.00	10.50	12.00	45.50
Ennore	0.60	0.60	0.60	0.60	0.60	3.00
Indian Navy	4.62	4.62	4.62	5.62	4.62	24.10
Sub Total	71.17	75.17	84.97	86.47	86.47	404.25
Minor ports & others	16.23	21.50	29.72	27.70	30.52	125.58
Total	87.40	96.67	114.69	114.17	117.00	529.83

Source: Report of working group for port sector for the 12th five year plan, Ministry of Shipping, Government of India

## **Capital Dredging Forecast 12th Five year Plan**



In Million Cubic Mtrs.

Port	2012-13	2013-14	2014-15	2015-16	2016-17	Total
Kolkata	-	20.88	-	-	-	20.88
Paradip	0.65	2.00	4.50	2.50	5.20	14.85
Vizag	2.92	0.58	1.35	5.00	5.50	15.35
Chennai	-	7.95	4.80	3.90	-	16.65
Tuticorin	0.52	14.37	7.50	4.18	0.91	27.48
Cochin	0.50	1.00	-	3.00	5.00	9.50
New Mangalore	0.50	-	-	0.50	3.50	4.50
Marmugao	-	3.50	3.50	3.50	3.40	14.0
Mumbai	4.45	2.00	3.00	-	-	9.45
JNPT	30.0	24.75	-	-	-	54.75
Kandla	0.30	1.50	9.80	2.00	1.50	15.10
Ennore	5.00	5.00	5.50	2.00	-	17.50
Indian Navy	0.60	0.50	-	-	-	1.10
Sub Total	45.44	84.03	39.95	26.58	25.11	221.11
Minor ports & Others	109.95	129.98	88.99	51.46	37.67	418.03
Total	155.39	214.01	128.94	78.04	62.78	639.14

Source: Ministry of Shipping





Company	No. Of Dredgers (as of 2014)					
	TSHDs	CSDs	BackHoes	Others	Total	
Adani Ports and SEZ Ltd.	1	12	-	3	16	
Boskalis Dredging India Pvt. Ltd. *	23	18	15	9	65	
Chellaram Shipping Pvt. Ltd., Mumbai	2	-	-	-	2	
Dharti Dredging and Infrastructure Ltd., Hyderabad	-	10	2	4	16	
International Seaports Dredging Pvt. Ltd., Chennai *	25	20	7	8+	60+	
Jan De Nul Dredging India Pvt. Ltd.*	28	15	6	35+	84+	
Mercator Limited, Mumbai	5	1	-	-	6	
Van Oord India Pvt Ltd *	21	23	5	42	91	

Source: Dredgers of the world

Note: \* Indian Arms of Foreign Companies. These are foreign fleet details.

### **International Dredging Companies**



Large European dredging companies have traditionally dominated the international dredging market. Europe has been the traditional hub of the international dredging markets with activities concentrated in Netherlands, Belgium and the United Kingdom with the five leading Dutch and Belgian companies controlling a substantial portion of the international dredging market.

Company	Country
Royal Boskalis Westminster N.V.	Netherlands
Van Oord B.V	Netherlands
Ballast Ham Dredging B.V	Netherlands
Dredging International N.V	Netherlands
Jan de Nul Group of Companies	Belgium
Great Lakes Dredge & Dock Company	U.S.
Penta-Ocean Construction Co., Ltd.	Japan
China Harbour Engineering Company	China
Dredging, Environmental and Marine Engineering	Belgium
Weeks Marine Inc.	U.S
Inai Kiara	Malaysia
National Marine Dredging Co.	Abu Dhabi, U.A.E
Hyundai Engg . & Construction	South Korea

Notes:

In addition to the leading international dredging companies listed above, countries including China, Japan, Korea, the United Kingdom and the Ukraine have large dredging companies mostly focused on their respective domestic markets.

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- 1 INDUSTRY OVERVIEW
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- 5 **A**NNEXURE

## **Company Overview**



- Established in 1976 as a Public Sector Undertaking ("PSU") under the administrative control of the Ministry of Shipping to provide integrated dredging services to India's Major Ports, Non-Major Ports, Shipyards and Indian Navy in the form of maintenance dredging, capital dredging, reclamation, hydrographic surveys and beach nourishment
- Premier dredging company in India in terms of hopper capacity & quantity dredged
- Owns and operates 12 Trailer Suction Hopper Dredgers, 3 Cutter Suction Dredgers and 1 Back hoe Dredger
- Government of India undertaking 78.56% shareholding held by GOI as on June 30, 2015
- Conferred with "Mini Ratna Category I status" by the GOI in November 1999
  - Key customers for Fiscal 2015 include Kolkata Port (Haldia), Kandla Port, Ennore Port, Cochin Port, Visakhapatnam Port.
    - Estimated market share of 75.6% in maintenance dredging and 64.9% in capital dredging during Fiscal 2015
  - Equity Shares listed on NSE, BSE, DSE and CSE

### **Milestones**



Date	Milestone
March 1976	Incorporated as Public Sector Undertaking
March 1992	Disinvestment of 1.44% shareholding by the GoI
October 1992	Listing of the equity shares on the BSE, CSE and DSE
November 1999	Conferred with "Mini Ratna - Category - I public sector enterprise" status by GoI
January 2004	Listing of the equity shares on NSE
March 2004	Disinvestment of 20% shareholding by the GoI
April 2010	Approval by the Cabinet Committee on Infrastructure to procure 3 new Trailer Suction Hopper Dredgers of 5500 Cu.M capacity each
April 2010	Award of contract for 2 TSHD of 5500 cubic meter hopper capacity to IHC Dredgers BV, Holland
February 2011	Award of contract for 3rd TSHD of 5500 cubic meter hopper capacity to IHC Dredgers BV, Holland
December 2012	DCI DRXIX a 5500 Cum capacity Trailer suction dredger joined the fleet.
June 2013	DCI DRXX a 5500 Cum capacity Trailer suction dredger joined the fleet.
March 2014	DCI DRXXI a 5500 Cum capacity Trailer suction dredger joined the fleet.

### **Board of Directors**



#### Mr. Rajesh Tripathi

Chairman and Managing Director

- Mr. Rajesh Tripathi, aged 54 years, is the Chairman & Managing Director (CMD) of the Company since February 2015. He worked with Ministry of Railways prior to Joining DCI.
- He is 1982 batch Indian Railways Services Engineering (IRSE) Officer. He holds Master degree M.Tech (Structures) and Post Graduate Diploma in Business Management
- He Joined Railways in 1984 and held several prestigious posts including project Director of IRCON, Malaysia Railway Project and Chief Engineer of Jammu & Kashmir Railway Project.
- He also worked as Director (Way & Works) in Konkan Railway Corporation.

Mr. S.Charles

Director (Finance)

- Mr. S.Charles, aged 54 years, is the Director (Finance) of the Company since December, 2014. He holds a degree in Bachelors of Science and is a Member of both Institute of Chartered Accountants of India and Institute of Company Secretaries of India. He is also a Member of Institute of Chartered Ship Broker (London).
- Previously he was the Vice President of Shipping Corporation of India Limited from 1988 till 2014. Prior to that from 1985 to 1987 he worked with M/s Peekay Consultants, Chennai.

Mr. M. S. Rao

Director (Operational & Technical) Mr. M.S.Rao, aged 51 years, is the Director (Operational & Technical) of the Company since June 2015. He holds a bachelor's
degree in Technology (Civil Engineering) from Regional Engineering College, Warangal and also hold a Degree in Masters of
Business Administration from Andhra University, Visakhapatnam.

- Previously, he was General Manager (PE) and also Head of Marketing, Operations and Human Resources Departments in DCI. He has vast experience in different fields of dredging and other civil engineering projects.
- Prior to joining DCI, he worked as Assistant General Manager with SIDBI and NABARD as Banks Engineer.

Mr. Barun Mitra

Government Director

- Mr. Barun Mitra, aged 53 years, is an Ex-Officio Government Nominee Director of the Company since January 2015. He is a Master of Arts (History) from St. Stephen's College, Delhi and holds LL.B from Delhi University. He is from Indian Administrative Service, joined Ministry of Shipping as Joint Secretary (Shipping) in January, 2015.
- He worked in several important positions both at State and Central Level including in the Secretariats of President of India, Government of Manipur and Income Tax Office.
- He is also director of GoI on the board of Shipping Corporation of India Ltd. and Cochin shipyard Ltd.

Mr. B. Poiyaamozhi

Government Director

- Mr. B.Poiyaamozhi, aged 59 years, is an Ex-Officio Government Nominee Director of the Company since April 2013. He is a Master of Engineering from Chennai and also a Member of Institute of Engineers, Kolkata and PIANC, Belgium. He is presently Development (Advisor) in Ministry of Shipping.
- He worked in several important positions including Chennai Port Trust, Kolkata Port Trust.
- His area of expertise includes Port and Harbour Engineering, Planning, Operation aspects including Dredging, planning aspects of Road/Rail connectivity to Ports etc.

## **Major Completed Projects | Maintenance Dredging**



Sr. No.	Name of the work	Period	Quantity Dredged (Mn. Cubic Mtrs.)	Amount (Rs. Million.)
1	Dredging in the Approach Channels at Haldia & Kolkata	2005-2015	228.00	31,200
2	Dredging of channels and Basins at Cochin Port	2006-07 &	93.80	5,004
	Dreaging or chainless and Busins at Gostim Fort	2011-2015	33.33	3,00 .
3	Dredging in the Navigational Channel of Kandla	2005-06 &	15.68	2,333
	Port	2012-2014	13.00	2,333
4	Dredging in Approach Channel & Lagoon of New Mangalore Port	2005-2011	29.91	1,929
5	Dredging in Approach Channel, Turning Circle and sand Trap of Paradip Port	2005-2010	11.39	1,670
6	Dredging in Approach Channel & Harbour Basin of	2005-06 &	20.44	1 275
	Mormugao Port	2008-2012	20.44	1,275
	Dredging of Naval Channel at Ernakulam, SNC	2005-07,		
7	Kochi	2010-12 &	5.45	999
	NUCIII	2014-15		

## **Major Completed Projects | Maintenance Dredging**



Sr. No.	Details of Project	Period	Quantity Dredged (Mn. Cubic mtrs)	Amount (Rs. Million.)
8	Dredging of Haldia Oil Jetties in the vicinity of Haldia Dock Complex	2012-2015	3.60	510
9	Dredging in Approach Channel & Anchorage of Jawaharlal Nehru Port	2005-2008	3.00	398
10	Dredging at Inner Approach Channel, Turning Basin, Approaches and in front of GCBs of Karwar Port		1.80	307
11	Dredging in the Approach Channel, Berthing Pocket & Turning Circle of LNG Terminal of RGPPL, Dhabol	2014-2015	1.20	197
12	Dredging of Naval Area at Visakhapatnam	2009-2010	0.72	131

## **Major Completed Projects | Capital Dredging**



Sr. No.	Details of Project	Period	Quantity Dredged (Mn. Cubic. Mtrs.)	Amount (Rs. Million.)
1	Deepening of Channel at Paradip Port	2008-10	15.88	2479
2	Dredging at Kamarajar Port Phase-II	2011-12	6.50	1041
3	Dredging in Navigational Channel of Kandla Port	2012-14	3.00	871
4	Dredging at Kandla Cargo Berth Nos. 13 to 16.	2013-14	1.10	518
5	Dredging at Mooring Dolphin MD1 to MD6 of Marmugao Port	2009-10	1.30	499
6	Dredging for Deepening of CICTPL, CB1 & 2 berths and approaches at Kamarajar Port	2014-15	1.05	464
7	Dredging in the Northern Arm from Inner Harbour Turning Circle to EQ-10 of Visakhapatnam Port	2014-15	0.98	349
8	Dredging at ICTT basin & Channel at Cochin port	2011-12	1.00	259
9	Dredging at sand trap and other areas of Gangavaram Port	2011-14	1.21	300
10	Dredging at Kanakesanthurai Harbour, Sri Lanka	2012-13	0.30	103
11	Dredging at general cargo berth, Vedanta's terminal at Visakhapatnam port	2011-12	0.11	20

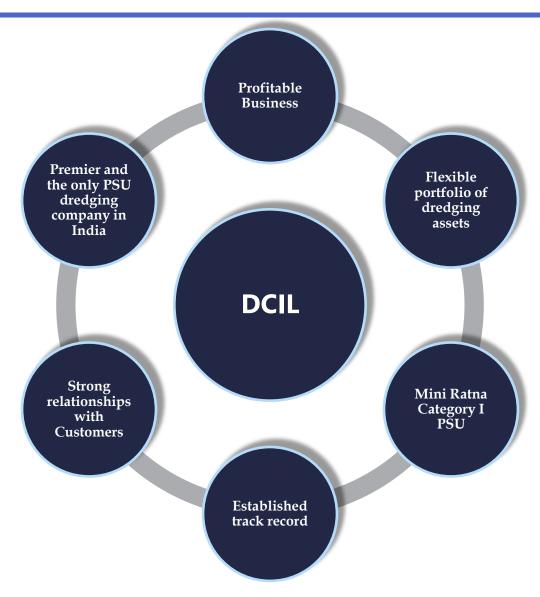
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- 5 **A**NNEXURE

## **Key Strengths**





### **Competitive Strengths**



Only PSU dredging company in India

- A premier and the only PSU dredging company in India.
- Preferred dredging company for Major Ports and Indian Navy.
- Has been in dredging business since 1976 catering to the dredging requirements of the Major Ports & Indian Navy.

Flexible portfolio of dredging assets

- Operates a diverse dredging fleet which is the largest in India in terms of capacity. The size, versatility and technical capabilities of DCI's fleet improves its competitiveness as it generally permits it to select the appropriate equipment for a particular maintenance dredging job.
- To maintain the value and effectiveness of fleet, DCI emphasizes on preventive maintenance so as to reduce the downtime, increase profitability, enhance the vessel life.

Strong relationships with Customers • Leader in maintenance dredging in India through combination of usage of advanced equipment and experience. Sized as the largest dredging company in India and extensive experience significantly enhances the ability to bid profitably bid and complete the contracts awarded.

Experienced management team

■ The senior management team as well as the floating personnel who manage the dredgers have vast experience in the dredging and maritime industries which provides a significant edge over the competitors.

Mini Ratna Status

Conferred with the status of "Mini Ratna - Category - I public sector enterprise" by the GOI in November, 1999, which enables in exercising autonomy in operations and taking financial decisions.

### **Key Strategies**



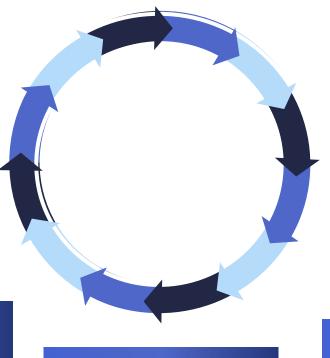
Enhancement of market share in maintenance dredging and more participation in capital dredging in India

Strategic alliances through long term contracts with major ports

Coastal Dredging/ Inland Dredging

Making forays in foreign dredging market`

**Enhancement of the fleet capability** 



Project Management Consultancy

Optimize capacity utilization

Port Infrastructure Projects

### **Diversification Plan of DCI**



#### **Coastal Shipping**

The forecasted economic growth for India is expected to transcend to the shipping industry which in turn is expected to post high growth. This would result in increase in the number of dredging (shipping) vessels servicing the Indian shores, which would require operational management. However due to DCI's lack of existing capability coupled with no related synergies, DCI can at best only expect to be a small player in the Coastal Shipping Segment.

#### **Dredge Repair Yard**

The past couple of years has seen a large number of international players enter the Indian dredging market. This coupled with the rise of few domestic players has increased the total dredging fleet within the Indian market.

Presently India and its neighbouring countries do not possess a dredge repair yard of international repute to service and maintain these technically complex vessels. Thus this option can be considered by DCI in partnership with a shipyard to service captive requirements and for other customers in the region

### **Diversification Plan of DCI**



#### **Soil Trading**

This area is very nascent and not particularly well developed in India currently, although international majors have diversified into this area. The growth potential and entry barriers would largely depend on the market dynamics in future

#### **Civil Construction**

A growing trend evidenced in large port contracts is that these are being awarded on a turnkey basis to a consortium displaying both civil and dredging capabilities. To be able to cash in on this opportunity DCI needs to enter into a consortium to offer turnkey solutions to client as developing this skill set in-house may be difficult and capital intensive.

#### **Training**

At present there is no Institute offering formal education and training in the dredging field in India. DCI can enter into a tie up with some of the management institutes in India to impart formal education in this space and can also leverage this course to carry out research and development to further its technological know-how

## **Dredger Fleet of DCI**



Sr. No.	Name of the Vessel	Year of built	Hopper Capacity Cu.M	Max. Draft in Mtrs.	Max. Dredging depth in mtrs.
1	DCI DREDGE -VI	1975	3770	6.30	22
2	DCI DREDGE-VIII	1977	6500	8.50	25
3	DCI DREDGE-IX	1984	4500	7.50	25
4	DCI DREDGE -XI	1986	4500	7.50	25
5	DCI DREDGE-XII	1990	4500	6.50	22
6	DCI DREDGE-XIV	1991	4500	6.50	22
7	DCI DREDGE-XV	1999	7400	8.50	25
8	DCI DREDGE-XVI	2000	7400	8.50	25
9	DCI DREDGE-XVII	2001	7400	8.50	25
10	DCI DREDGE-XIX	2012	5500	6.50	25
11	DCI DREDGE-XX	2013	5500	6.50	25
12	DCI DREDGE-XXI	2013	5500	6.50	25

Average age of TSHDs is 20 years

Source: Company Website

### **Fleet of DCI**



Cutt	Cutter Suction Dredgers (CSDs)								
Sr. No.	Name of the vessel	Year of built	Max. Pumping distance in Mtrs.	Total Installed Power in Kw	Max. Draft in Mtrs.	Max. Dredging depth in Mtrs			
1	DCI DREDGE -VII	1976	3000	6,315	2.50	22			
2	DCI DREDGE -AQUARIUS	1977	6000	12,909	4.85	25			
3	DCI DR-XVIII	2009	3000	10,662	3.00	25			

Average age of CSDs is 28 years

Bac	Backhoe Dredger (BH-1)							
Sr. No.	Name of the vessel	Year of built	Production	Total Installed Power in Kw	Max. Draft in Mtrs.	Max. Dredging depth in Mtrs		
1	DCI Backhoe-1	2011	370 Cum / Hr	1342	2.30	21.50		

Source: Company Website

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# Financial Snapshot

**Particulars** 

**Long Term Debt** 

**Current Assets** 

**Total Revenue** 

**Total Expenses** 

**Profit Before Tax** 

Earnings per Share (in Rs.)

**Gross Debt Equity Ratio (times)** 

Return on Capital Employed(%)

**Current Ratio (times)** 

Source: Company Website

**EBITDA** 

**Net Profit** 

**Current Liabilities** 

**Networth** 

pci

**FY11** 

13.686

2,706

9.459

5,227

4,778

1,152

449

395

14.11

3.50

3.86

**26** 

(Rs. in million)

**FY12** 

13.817

2.600

2,123

7.810

4,976

4,800

1.055

176

132

4.71

3.68

0.19

1.59

**FY14** 

14.234

11,144

4132

8.456

7,727

7,339

1,881

388

375

13.41

2.05

0.88

1.80

**FY13** 

13.957

7.771

3,439

9.399

6,380

6.164

1,132

216

205

7.32

2.73

0.52

1.39

**FY15** 

14.743

10.387

3.702

8.369

7,438

6,784

1,820

654

624

22.29

2.26

0.63

3.66

June 15

1,704

1,527

489

177

167

5.96

**Dredging Corporation of India Limited - A Government of India Enterprise** 

## **Operational Efficiency | Capacity Utilisation**



Year	Dredging Days			ntity Cu.M)
	Actual	% Utilisation	Actual	% Utilisation
2012-13	2956	88%	59.3	80%
2013-14	3232	83%	74.0	91%

Source: Company Website





## **Thank You**

#### Registered Office:

Core-2,1st Floor, 'Scope Minar', Plot No.2A & 2B, Laxmi Nagar Dist. Centre, Delhi-110091 Tel. No.: +91 011 2244 8528; Fax: +91 011 2244 8527

#### Corporate Office:

"Dredge House", Port Area, Visakhapatnam- 530 035, Andhra Pradesh

Tel. No.: +91 0891 2523250; Fax: +91 0891 2560581

Website: www.dredge-india.com

## **Agenda**



- 1 INDUSTRY OVERVIEW
- 2 COMPANY OVERVIEW
- 3 COMPANY STRENGTHS AND STRATEGIES
- 4 OPERATIONAL AND FINANCIAL PERFORMANCE
- 5 **A**NNEXURE

### **Fleet of DCI-TSHDs**





### **Dredge VI**

Length Overall	104.0 M
Breadth	15.50 M
Draft	6.31 M
Speed in Knots	10
Hopper Capacity	3770 M3
Propulsion Power	2 X 1700 HP
Dredging Power	2 X 1200 HP
<b>Maximum Dredging Depth</b>	22.00 M
Gross Tonnage	3802
Official Call Sign	<b>1641 ATNA</b>
Inmarsat Id	44195 6410



#### **Dredge VIII**

Length Overall	124.30 M
Breadth	19.50 M
Draft	8.50 M
Speed in Knots	13
Hopper Capacity	6500 M3
<b>Propulsion Power</b>	4 X 1670 HP
<b>Dredging Power</b>	2 X 1900 HP
<b>Maximum Dredging Depth</b>	25.00 M
Gross Tonnage	8151
Official Call Sign	1747 ATRM
Inmarsat Id	44195 6510



Source: Company Website

#### **Dredge XI**

Length Overall	102.60 M
Breadth	18.20 M
Draft	7.50 M
Speed in Knots	13.80
Hopper Capacity	4500 M3
Propulsion Power	2 X 5250 HP
Dredging Power	2 X 1428 HP
<b>Maximum Dredging Depth</b>	25.00 M
Gross Tonnage	5159
Official Call Sign	2140 VVGS
Inmarsat Id	44195 6710

### **Fleet of DCI-TSHDs**





#### **Dredge XII**

Length Overall	110.31 M
Breadth	21.00 M
Draft	5.50 M
Speed in Knots	13.00
Hopper Capacity	4500 M3
Propulsion Power	2 X 3887 HP
Dredging Power	2 X 1005 HP
<b>Maximum Dredging Depth</b>	22.00 M
Gross Tonnage	6355
Official Call Sign	2406 VTTM
Inmarsat Id	44195 6810

Length Overall



#### **Dredge XIV**

Length Overall	110.31 M
Breadth	21.00 M
Draft	5.50 M
Speed in Knots	13.00
Hopper Capacity	4500 M3
Propulsion Power	2 X 3887 HP
Dredging Power	2 X 1005 HP
<b>Maximum Dredging Depth</b>	22.00 M
Gross Tonnage	6355
Official Call Sign	2407 VTTN
Inmarsat Id	44195 6910

110 31 M



#### **Dredge IX**

Length Overall	102.60 M
Breadth	18.20 M
Draft	7.50 M
Speed in Knots	13.80
Hopper Capacity	4500 M3
Propulsion Power	2 X 5250 HP
Dredging Power	2 X 1428 HP
Maximum Dredging Depth	25.00 M
Gross Tonnage	5159
Official Call Sign	<b>2003 VWCM</b>
Inmarsat Id	44195 6610

Source: Company Website

### **Fleet of DCI-TSHDs**





#### **DCI DREDGE-XX**

Length Overall 114.00 M
Breadth 21.30 M
Draft 7.50 M
Speed in Knots 14.10
Hopper Capacity 5500 M3
Propulsion Power 2 X 4100 HP

Dredging Power

Maximum Dredging Depth 25.00 M Gross Tonnage 6970

Official Call Sign 3760 AVID Inmarsat Id 41900 0189



#### **DCI DREDGE-XXI**

Length Overall 114.00 M
Breadth 21.30 M
Draft 7.50 M
Speed in Knots 14.10
Hopper Capacity 5500 M3
Propulsion Power 2 X 4100 HP

**Dredging Power** 

Maximum Dredging Depth 25.00 M Gross Tonnage 6970

Official Call Sign 3836 AVLK Inmarsat Id 41900 0296

Source: Company Website

### **Fleet of DCI- CSDs**





#### **DCI DREDGE- AQUARIUS**

Length Overall	107.00 M
Breadth	19.00 M
Draft	7.60 M
Draft (Dredging)	4.85 M
Speed in Knots	14.10
Installed power	12,909 Kw

Dredging Power

Max. Pumping 6000 M Maximum Dredging Depth 25.00 M Gross Tonnage 2094

Official Call Sign 2461 VTXM

\* Self Propelled CSD



#### **DCI DREDGE- VII**

Length Overall	86.00 M
Breadth	14.50 M
Draft	4.00 M
Draft (Dredging)	2.50 M
Speed in Knots	14.10
Installed power	6315 Kw
Cutter power	1000 Hp
<b>Maximum Dredging Depth</b>	22.00 M
Max. Pumping Distance	3000 M

Source: Company Website

### **Fleet of DCI**





#### **DCI DREDGE- XVIII**

Length Overall88.00 MBreadth16.00 MDraft3.00 MInstalled power10,662 KwCutter Power1600 Kw

Dredging Power

Max. Pumping 3000 M Maximum Dredging Depth 25.00 M



#### **DCI BACKHOE I**

Length	55.68 M
Breadth	16.00 M
Depth	3.50 M
GRT	977
NRT	293
<b>Maximum Dredging Depth</b>	21.50 M
<b>Hourly Production</b>	370 Cum

Source: Company Website