



माझगांव डॉक शिपबिल्डर्स लिमिटेड

(भारत सरकार का उपक्रम)

Mazagon Dock Shipbuilders Ltd.

(Formerly Mazagon Dock Limited)

(A Govt. of India Undertaking)

CIN : U35100MH1934GOI002079

डॉकयार्ड रोड, माझगांव, मुंबई - 400 010

Dockyard Road, Mazagon, Mumbai - 400 010

Certified - ISO 9001-2015

संदर्भ क्रमांक

Ref. No.

दिनांक

Date

28 July 2022

To
BSE Limited
Phiroze Jeejeebhoy Towers
Dalal Street,
Mumbai- 400 001
Scrip Code: **543237**

To
National Stock Exchange of
India Limited
Exchange Plaza, C-1, Block G
Bandra Kurla Complex
Bandra (E), Mumbai - 400 051
NSE Symbol: MAZDOCK


Sub: Intimation under Regulation 30 of SEBI (Listing Obligations and Disclosures Requirements) Regulations, 2015 -Publication.

Dear Sir,

1. We are enclosing herewith a copy of write up in the following publications:
 - i) Military Yearbook of SP Guide.
 - ii) Kaleidoscope Magazine of Scope.
2. The above information is submitted in terms of Regulation 30 of SEBI (Listing Obligations and Disclosures Requirements) Regulations, 2015.

This is for your kind information.

Thanking You,
Yours Faithfully,
For MAZAGON DOCK SHIPBUILDERS LIMITED


(Vijayalakshmi Kumar)
Company Secretary

Encl: as above



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SP GUIDE PUBLICATIONS

Q1. What are the key pillars of your road map towards Self Reliance in Naval Shipbuilding?

MDL Reply:

Indigenous Warship construction by MDL in itself is a major indigenisation success story. "Make-in-India" in MDL dates back to 1960, when under a strategic national objective of indigenous shipbuilding, indigenous construction of first frontline warship, INS Nilgiri, was undertaken. Since then, MDL has been continuously striving to enhance the indigenous content in the successive deliveries of Ships and Submarines. Today MDL is capable of building Destroyers, Frigates, Corvettes as well as Conventional Submarines. MDL's stellar efforts and commitment towards indigenisation are evident from the fact that percentage of indigenisation in the ships built by MDL has been steadily increasing from 42% in P15 Delhi Class Destroyers (built in 90s) to 75% in P17A Nilgiri Class Frigates (under construction).

Steps taken by MDL for Self Reliance: -

- ✓ MDL has set-up a dedicated Department of Indigenisation in Oct 2015 to boost and strengthen the indigenisation effort and to provide focused impetus to the Hon'ble Prime Minister's vision of "Make-in-India", develop Indigenous Vendors and find Import Substitute
- ✓ MDL has launched a separate "Atmanirbhar Bharat" Webpage in the company's website. The process of indigenisation, various items/equipment indigenised, items required to be indigenized (EoIs) are displayed under the webpage. The webpage is being regularly updated.
- ✓ MDL has been able to successfully indigenise some of the critical equipment/items required for Warships and Submarines. major items indigenized till date include Main Batteries, Battery Loading Trolley, Air-Conditioning Plants, Sacrificial Zinc Anode flanges, Non-HLES Electrode & filler Wire, Self- Adhesive E-Glass Fibre Cloth, NBR O-Ring, Annealed Copper Gasket for Scorpene Submarines and Sonar Dome, SICADS, Bridge Window Glass, MCT-Glands, Remote Controlled Valves, Helo Landing Grid, Honeycomb Filters, Pressure Reducing Station, NBC Filters, High Temperature Gaskets, Flame/Control/Smoke Dampers for HVAC System, Chladon Gas for MFFS for Ships.

- ✓ Indigenisation of these items has not only resulted in considerable cost savings to the exchequer but also helped India in becoming self-reliant as far as these items/equipment are concerned. Further, indigenization of Magazine Fire Fighting System, RSS Screen for ships and Refrigeration Plants, Polychropene Rubber Bands, Shock Mount, Soda Lime, GRP Panel, Static Frequency Converter etc. for submarines, are presently in progress.
- ✓ Currently MDL is constructing Scorpene class Submarines (Project-75) with provision for Transfer of Technology (ToT) through French Collaborator M/s Naval Group. MDL has fully absorbed the transfer of technology to construct the Scorpene submarines independently without any support from the collaborator from third Boat onwards.
- ✓ For Project-17A, M/s Fincanteri, Italy is the Know How Provider (KHP) for Technology Upgradation & Capability Enhancement (TUCE) for Integrated Construction of P17A Ships. Integrated Construction adopts a concurrent approach wherein a large percentage of the activities are being carried out at the 'block level' prior launch of the vessel.

Q2. Please share MDL's key achievements in the last one year period?

MDL Reply:

Some key achievements of MDL in the last one year period are as follows:

- ✓ MDL launched one Advanced Stealth Frigate (Udaygiri) and one Guided Missile Destroyer (Surat) as a double launch on a single day on 17 May 2022, an unprecedented event in Shipbuilding in India. Prior to this MDL also launched a Scorpene Submarine(Vagsheer) on 20 Apr 2022.
- ✓ Despite Covid-19 pandemic, MDL delivered 2 Submarines (INS Vela and INS Karanj) and 1 Destroyer (INS Visakhapatnam) to Indian Navy in the year 2021.
- ✓ As a leading and socially committed public sector undertaking, Mazagon Dock Shipbuilders Ltd. actively supported the nation's effort to fight the Covid-19 Pandemic.
 - MDL handed-over 27 ambulances, refrigerated vaccination van and 02 hearse vans to district administration – Nandurbar (Aspirational District) in the year 2021
 - MDL handed-over refrigerated vaccination truck to govt. Medical stores depot (GMSD), Mumbai in march 2021
 - MDL has supported Cama & Albles hospital in setting up of 13 KL Liquid Medical Oxygen (LMO) tank for Covid 19 wards in Jan 2022.

WRITE UP (SCOPE)

(MAZAGON DOCK SHIPBUILDERS LIMITED)

The Inception

Mazagon Dock Shipbuilders Limited is the oldest shipyard in India with inception in 1774, incorporated in 1934, and taken over by the Government of India in 1960. MDL is the only shipyard in India to have built Destroyers and two different types of Submarines for the Indian Navy with its facilities located in Mumbai and Nhava and thus MDL is also one of the unique shipyards in the world with such diverse range of products. From the time it was taken over by the Government of India in 1960, MDL has built 799 vessels, including 26 capital warships and 6 conventional submarines. MDL has the capacity to build warships, submarines, merchant ships up to 40,000 DWT.

To keep up with changing times, Mazagon Dock has modernized its facilities to undertake modular construction by investing in a 300-ton Goliath crane, Module Shop with a retractable roof, a second wet basin, a Training Centre and a Submarine Assembly Workshop for a second line of submarines.

With the enhanced infrastructure, now, MDL has the capacity to simultaneously construct 10 warships and 11 submarines.

Azadi Ka Amrit Mahotsav (AKAM)

AKAM is an initiative to commemorate 75 years of independent India. It celebrates the glorious history of its people, culture, and achievements. It is an embodiment of all that we are proud of about India's socio-cultural, political, and economic identity.

Recently, under the Azadi Ka Amrit Mahotsav (AKAM), Department of Public Enterprises organised an exhibition on Contribution of CPSE's in Nation Building Since Independence – Showcasing their first – in – the country / services.

AKAM – 2022 Exhibition was scheduled from 9-12 June'22 at Mahatma Mandir Convention & Exhibition Centre Gandhinagar, Gujarat and was inaugurated by Hon'ble Finance Minister Smt. Nirmala Sitharaman. In all, 75 CPSEs participated in the exhibition.

MDL too participated and set up a stall. In the stall, all the prominent achievements of MDL in building the nations Naval Defence were showcased and also efforts made to highlight the initiatives undertaken in:

- Indigenisation – Atmanirbhar Bharat
- R & D Activities
- Modernization of the Yard
- MDL product portfolio

In all, it was one-of-a kind initiative undertaken by DPE to bring all the major CPSEs together on board and connecting them with the thread of AKAM celebrations.

Previously, under the aegis of AKAM, all the DPSUs, DGQA and DGAQA were requested to open its public sites at 75 locations and curated museums at 07 places from 13 Dec to 19 Dec 2021 for public. Therefore, following the directives, MDL too, had opened its Heritage Gallery 'Dharohar' along with the Heritage Walk for public exhibition which registered an overwhelming response from the visitors.

The Heritage Gallery- 'Dharohar'

The MDL's Heritage Gallery – Dharohar was inaugurated by Hon'ble Raksha Mantri Shri Rajnath Singh on 28 Sept '19 showcasing the rich history of MDL from 1774 till

date. It also encapsulates the maritime history of India and portrays the development of Mumbai from its initial days of cluster of 07 islands to the current city of Mumbai. The gallery setup in 2015, upgraded and renovated in 2019 also has a section on family history of the 'Wadias' the master builders of the Bombay Dockyard, who have built notable ships like the HMS Minden, HMS Cornwallis and HMS Trincomalee. Cut section of a sail ship and a scaled model of HMS Minden- (the ship on which the national anthem of USA was penned down-) displayed in the MDL Dharohar gallery showcases the unique and special craftsmanship of MDL workmen.

The gallery also depicts the history of the Company under the ownership of Peninsular & Oriental Steam Navigation Company and British India Steam Navigation Company. The technology advancement has also been captured in the information on marine propulsion systems which are in the center of the gallery. The aesthetic display of ship and submarine models shows the entire portfolio of MDL's products, post its nationalization.

The experience center showcases the evolution of shipbuilding in Mumbai from initial efforts of making sail ships to the most complex submarines and also MDL's vision for the future in the era of Artificial Intelligence and Industry 4.0.

Vision of Make in India/ Atma Nirbhar Bharat

In line with the broader vision of 'Make in India' and 'Atma Nirbhar Bharat' by Government of India, Mazagon Dock has set-up a dedicated Department of Indigenisation in Oct 2015 to boost and strengthen the indigenisation effort and to provide focused impetus to the Hon'ble Prime Minister's vision of self-reliant India in Defence sector.

Indigenous warship building has been a distinct success story in MDL's attempt to be self-reliant in Defence. Today MDL is building Destroyers, Frigates, Corvettes and strategic submarines. Indigenous content has steadily increased in these construction programs and presently it is pegged at 72-75%. More can be done in this direction by a collaborative approach amongst all stakeholders.

MDL has indigenised 20 items/equipment, which if procured from indigenised sources would result in considerable savings in Foreign Currency. Currently indigenisation of 09 major items/equipment through Indian Industries is in progress. Out of 09 items, 02 items are being indigenised under MAKE II process.

Vision Ahead

Indigenous defence production is the key to achieving the country's aim to become a USD 5 trillion economy. Government is striving to achieve the goal by implementing key flagship programmes like Atma Nirbhar Bharat.

To spell out MDL's futuristic prospects, MDL has been shortlisted as one of the partners for Project-75(I) – Construction of 6 Nos. conventional Submarines fitted with AIP and Lithium Ion batteries. The project is currently at RFP stage. MDL is also a strong contender for six in Nos Next Generation Destroyer which is pegged at Rs. 50000 Cr.

Further, on the export front, MDL has in the past exported 243 vessels to various international clients. MDL has approached potential clients in friendly countries for MDL designed ship for export market and has been carrying out promotional activities in various geographical locations.

