



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, Mazgaon, Mumbai - 400 010

Certified - ISO 9001 : 2008

संदर्भ क्रमांक

Ref. No.

दिनांक

Date

03 Mar 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 the questionnaires by SP Guide and SAP Media for publication.
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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Vice Admiral Narayan Prasad's (IN Retd) CMD, Mazagon Dock Shipbuilders Limited, interaction with CMD & Editor-in-Chief, SP Guide Publications, Jayant Baranwal

Q1. What are your plans to implement Prime Minister Narendra Modi's vision of Atmanirbhar Bharat?

Ans- 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 (Eols) are displayed under the webpage. Success stories of indigenisation are published on MDL website as a compendium of items indigenised.

MDL has proactively pursued indigenous development for items/ equipment of foreign OEMs. Collaborations are being progressed with a range of private players for indigenized development of Equipment/spares for the Submarine Projects. Efforts are also being made to take up Indigenisation of equipment for future projects under 'Atmanirbhar Bharat' and 'Make in India' programs. MDL has also participated in iDEX (Innovations for Defence Excellence) for self-reliance in defence sector.

A separate indigenisation cell has also been constituted to give thrust to indigenisation of equipment/ item at company level, apart from efforts made at MOD/IN level.

Q2. What are the current warships you are building & what is their indigenisation content?

Ans- The current surface ship order broadly comprises of the construction of 04 Nos Visakhapatnam Class (Project 15B) stealth destroyers, out of these four, one has already been delivered and 04 Nos Nilgiri Class (Project 17A) stealth frigates.

The under-construction warships under project 15B and 17A will possibly have an indigenous content between 70 to 75%.

The licensed construction of six Scorpene class Submarines (Project-75) in collaboration with French Collaborator M/s Naval Group, France is in progress at MDL. MDL has delivered 04/06 Scorpene Class Submarines of Project 75 to the Indian Navy. Balance, 02 submarines are in advanced stages of trials and outfitting.

To-date, MDL Submarines of P75 Project have indigenized items of approx. 32% of value of each Submarine.

Q3. What is the progress on Project 75 to build Scorpene Submarines & what all technologies your company has been able absorb to be able to implement them independently?

Ans- Under the Scorpene project, the Collaborator has provided 'Know-How' under ToT for building the submarines. ToT includes provision of Technical Data Package, software & hardware, shipyard training & advising for first two Boats. MDL has fully absorbed the transfer of technology to construct the Scorpene submarines independently without any active support from the collaborator M/s Naval Group, France. MDL has successfully built 3rd and 4th Submarines without support of Naval Group.

Q4. The RFP for Project 75(I) was issued to your company & M/s Larsen & Tubro (L&T) to build six AIP fitted Conventional Submarines under the Strategic Partnership Model. What is the progress on it?

Ans- RFP for P75I was issued on 20 Jul 21 to shortlisted strategic partners. MDL being one of the shortlisted strategic partner, is in the process of selecting of one FC (Foreign Collaborator) from the five shortlisted FCs viz. M/s Naval Group - France, M/s Navantia - Spain, M/s ROE - Russia, M/s tkMS - Germany and M/s DSME - South Korea by IHQ/ MoD(N).

Q5. Apart from the Navy are you taking up any projects for Indian Coast Guard?

Ans- Besides warships for the Indian Navy, MDL has also constructed a series of offshore patrol vessels for the Indian Coast Guard ("ICG") in the first phase. Seven Coast Guard ships, which today form the mainstay of the ICG fleet, were built and delivered to the ICG between 1983 and 1990.

Recently, MDL has also undertaken repairs of three ICG vessels, namely INS Achook, INS Shaurya and INS Savitribai Phule.

MDL has submitted bids to Indian Navy & Indian Cost Guard for various Naval platforms worth Rs. 24,000 Cr. including 08 Fast Patrol Vessels (FPV) for Indian Coast Guard.

Q6. It has been reported that you have taken up Construction of Border Out Posts for the BSF which are floating police stations. Would you like to give some details?

Ans: MDL had constructed and delivered Border Out Post to Border Security Force in the year 2002-2003. Presently we are not executing any project for the BSF.

SUBMARINE DIVISION INPUTS ON QUESTIONNAIRE FROM SAP MEDIA FOR
DEFEXPO 2022

1. What has been the impact of COVID on Mazagon Dock Shipbuilders?

Ans- Offices & Workshops of MDL were closed in lockdown condition from mid Mar 20 to mid Jul 20 due to unavailability of Public Transportation system, severe constraints were expanded on personnel reporting to work. Mobilisation of manpower gradually increased over a period of time. However, the pace of work had slowed down again from start of Apr 21 till Jun 21 due to second wave of Covid-19 and impacted the progress of the Projects & pace of work. Vendors/Sub-contractor's premises were also closed down / partially operating thus, affecting material supply/ service support to the Project.

Despite the Covid-19 pandemic, MDL delivered two Submarines of Project 75 viz. INS Karanj & INS Vela on 15 Feb 21 & 09 Nov 21 respectively and also commissioned one stealth-guided missile destroyer under Project 15B, INS Visakhapatnam on 21 Nov 21 to Indian Navy.

2. Which are the ongoing orders being executed currently?

Ans- For the next 5-6 years, we have the order book of Rs 47000 Cr Approx. The order broadly comprises of the construction of four in Nos Visakhapatnam Class Project 15B Stealth Destroyers (one out of four already delivered), four in Nos Nilgiri Class Project 17A Stealth Frigates and two in Nos Project 75 Scorpene Submarine (four out of six already delivered). Medium Refit & Life Certification (MRLC) of one Submarine in collaboration with German Collaborator M/s tkMS, Germany is also in progress.

3. How are new age technologies like Artificial Intelligence, Internet of Things, 3D Printing, Robotics being implemented to improve the ship building process and ensure quicker delivery of projects?

Ans- MDL has setup a state of the art Virtual Reality Centre leading to the reduction in physical effort to understand and analyse complex issues in compartment layouts of ship building. Any clashes between laying of piping cables ventilation duct etc. is virtually visualised in office environment and is resolved in the design stage itself. In addition to VRC, MDL, in collaboration with IITM, Chennai, has developed AI based machines and methods for various key processes of Shipbuilding. Artificial Intelligence enabled Robotic Weld Inspection tool using phased array technic to replace manual radiography is one of them.

MDL has also developed an Artificial Intelligence enabled Remotely Operated Vehicle (ROV) with collaboration of IIT Madras and in the process of induction and also commercialisation.

Submarine division adopt stringent quality norms with very low margins of tolerance in the construction process. MDL has also implemented Quality Management System certified with ISO 9001:2015 for Design, Development, Construction, Refits and Test & Trials of Submarine to meet the International standards of quality.

4. How is the indigenisation programme progressing?

Ans- MDL has been able to significantly enhance the indigenous content in the warships/project it has delivered to the Indian Navy. While the warships under Project 15 delivered way back in 90s had an indigenous content of approx. 42%, present under-construction warships under project 15B and 17A will possibly have an indigenous content between 70 to 75%.

MDL has indigenised 20 items/equipment which if procured from indigenised sources would result in considerable savings in Foreign Exchequer. 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.

Efforts are also being made to take up Indigenisation of equipment for future projects under 'Atmanirbhar Bharat' and 'Make in India' programs. A separate indigenisation cell has also been constituted to give thrust to indigenisation of equipment/ item at company level, apart from efforts made at MOD/IN level.

5. What are the current expansion programmes in place?

Ans- In recent years, the infrastructure at the shipyard has been modernized and up-graded to meet the technological advancements in Naval construction. Under Mazdock Modernization program, MDL has augmented its Infrastructure facility like Submarine Section Assembly workshop (SSA), Cradle Assembly Workshop (CAS), 300 T Goliath Crane, Shore Integration Facility (SIF), Angre Wet Basin. Submarine Launch Facility is also being created to upgrade MDL infrastructure to facilitate launching of Submarines directly and independent of availability of deep dry dock.

6. What new orders is Mazagon Dock expecting both from the Navy and internationally?

Ans- Order in the offing, for which MDL will be a strong contender is five in Nos Next Generation Destroyer which is pegged at Rs. 50000 Cr.

Another order, MDL will be vying for is six in Nos Project 75-1, conventional submarine fitted with air independent propulsion amounting to Rs 43000 Cr. approx. Since MDL is the only conventional submarine builder in India, we hope to bag this order with our modernized infrastructure facilities and spare capacity. Further, Indian Navy has also accorded Acceptance of Necessity (AON) to MDL for Medium Refit and Life Certification (MRLC-2) of INS Shankush. RFP for MRLC-2 is expected shortly from IN.

MDL has submitted bids to Indian Navy & Indian Coast Guard for various Naval platforms worth Rs. 24,000 Cr.

MDL has submitted proposals for Exports to various countries viz. Brazil, Peru, Argentina, Philippines, Hungary, Sierra Leone, Chile, Cameroon, etc. for construction & delivery of OPVs, FPVs, FICs, Floating Docks, Flat Bottom Shallow Boats, FAC and Corvettes

MDL has also submitted bids for following projects:

- Acquisition of 08 Fast Patrol Vessels (FPV) for Indian Coast Guard, Acceptance of Necessity (AoN) - Rs. 803.68 Cr
- Repair/ Refit of 01 MRLC-2, 01 MRLC-3, 01 MRLC-4; Estimated value - Rs. 5200 Cr
- Retro fitment of AIP on 06 P75 Submarine, Estimated value - Rs. 18000 Cr