

**GOVERNMENT OF INDIA
DEFENCE
LOK SABHA**

UNSTARRED QUESTION NO:7080
ANSWERED ON:08.05.2015
DEFENCE SHIPYARDS
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Will the Minister of DEFENCE be pleased to state:

- (a) whether the current ship building capability of defence shipyards meets the requirement of the Indian navy;
- (b) if so, the details thereof and if not, the reasons therefor;
- (c) whether the Government has taken initiatives to modernise these shipyards; and
- (d) if so, the details thereof including the funds allocated for the purpose during the year 2014-15?

Answer

MINISTER OF STATE IN THE MINISTRY OF DEFENCE (RAO INDERJIT SINGH)

- (a) The Defence Shipyards have the requisite capability to build various categories of naval Warships and Submarines.
- (b) Mazagon Dock Limited (MDL) and Garden Reach Shipbuilders Engineers (GRSE) are engaged in building complex weapon intensive vessels like destroyers, stealth frigates, Corvettes etc. Goa Shipyard Ltd (GSL) and Hindustan Shipyard Ltd (HSL) have capability to build various categories of vessels like Patrol Vessels, Tugs, Barges, Tankers, Landing Platform Docks and Survey Vessels etc. MDL is currently constructing six submarines under the Project 75 for Indian Navy.
- (c) A comprehensive assessment of the modernisation needs of the Defence Shipyards have been made based on the requirement of the ongoing and future Projects. The modernisation programme is intended not only to upgrade the existing infrastructure but also to expand their capacities in a significant manner and induct state of the art technology, so as to reduce build period, enhance efficiency and increase productivity. Accordingly the DPSU Shipyards i.e. MDL, GRSE, GSL and HSL have embarked on a comprehensive modernisation programme.
- (d) MDL: MDL has embarked on the Modernisation Program at a cost of Rs.826 Crore and it is likely to be completed in the current year.

The modernisation includes creation of Module Workshop, 300 Ton Goliath Crane, New Wet Basin and Cradle Assembly Shop. MDL, with the completion of the Modernisation Program is aiming for a paradigm shift in Warship construction i.e. construction from unit assembly to block assembly enabling Integrated Modular Construction. This would substantially reduce the construction / build period.

The capacity of outfitting has increased from the hitherto 3 Warships to 5 Warships and from 3 submarines to 6 submarines. The submarine building capacity is being further enhanced by constructing additional submarine related infrastructure.

GRSE: The modernisation Plan which was focused on enabling modular construction has been completed at a financial outlay of Rs.605.85 Crore. GRSE is now capable of constructing concurrently multiple large modern ships (Corvettes/Frigates/ Destroyers etc). GRSE modernisation plan included creation of the following facilities:-

- (i) Modern hull shop, upgradation of TRIBON ship design software, augmenting capacity of inclined berth, shipbuilding shop etc.
- (ii) Dry Dock of 10,000 Ton capacity, inclined berth of 4500 Ton capacity, Pier Quay and associated works & systems.
- (iii) Goliath Crane of 250 Ton capacity.
- (iv) Module Hall, Paint Cell & Equipment.

GSL: GSL's modernisation program is being executed in four phases at an estimated outlay of approximately Rs.800 Crore. Phase 1 & 2 of the Modernisation Project has been completed and the construction work for the next phase is in progress. This is likely to be completed by 2017. The facilities created so far include two Land Berths, one Jetty, installation of three 45 Ton capacity level Luffing Cranes.

Post modernisation:-

- (i) GSL will overcome the constraints in terms of launch weight restriction by installation of 6000 Ton ship lift & transfer system with associated civil structures (i.e. improvement from the existing 1500 Ton to 6000 Ton capacity),
- (ii) Addition of construction berths for Offshore Patrol Vessels (from 1 to 3 for OPV size ships),
- (iii) Augmentation of Jetty Berthing Space (from 4 wet berths to 10 wet berths),
- (iv) Augmentation of material handling & crane capacity (addition of new workshop cranes from 30 Ton to 80 Ton capacity),
- (v) New Level Luffing outdoor cranes upto to 80 Ton Lifting capacity, two new block transporters of 100 Ton capacity,
- (vi) Increase in repair capability with two berths for repairs of ships up to 6000 Ton and rationalisation of layout and material flow for efficient modular construction methodology.

HSL: Currently the Repair and Refurbishment of Machinery & Infrastructure (RRM) is under progress at an outlay Rs.456.37 Crore. These activities will be completed by 2016-17.