

Naval dockyard, Mumbai

Background/Objective

The project undertaken by VEMC for the Naval dockyard, Mumbai was a large scale government project for the ministry of defence. The Naval Dockyard Mumbai is one of the strategic defence installations, for all of the western coasts. It is also home to the Coast guard and the western naval command headquarters. At the dockyard, several warships including submarines are repaired and overhauled at various dry docks.

During periods of hot work and anchoring, the fire pumps are required to be operating at full efficiency. However, the pumps at the dockyard were failing to do so and were affecting the repair work at the dock.

VEMC's Role as a solution provider

After understanding the problems, VEMC offered a solution where the firefighting pumpset would also double up to drain out the water and help during a fire emergency. A Kirloskar make Vertical turbine pump in super duplex construction along with 180 HP vertical Hollow Shaft Motor could be installed for the project with accessories like Valves and switch gears critical for the operation.

Approach:

The Naval Dockyard entrusted the work of revamping the main firefighting pumpset. A Kirloskar make Vertical turbine pump in super duplex construction along with 180 HP vertical Hollow Shaft Motor would be installed for the project with accessories like Valves and switch gears was installed. VEMC revamped, supplies, installed and commissioned the pumps.

Advantages of the proposed system

Apart from saving up on construction costs, this investment is also space efficient- the dual purpose of the fire fighting pumpset is an innovative and elegant solution to space constraints.

INSTALLATION IN PROGRESS



PUMP SET READY FOR COMMISSIONING



CTM
INERY CO.

PUMP IN OPERATION



Outcomes:

Since commissioning, the pump and the entire system has been working smoothly and efficiently.

VEMC has also supplied, installed and commissioned Vertical Turbine Pumps for sea water application (Fire Pumps) at Jawaharlal Nehru Port Trust, Uran. The scope of work SITC of main fire pumps(electrically operated as well as diesel engine driven through Right Angle Gearhead) as well as jockey pumps.

----- Thank You !! -----