

Rail Based Helo Traversing System

Deck Machinery Unit

- ❖ In order to achieve self-reliance, the Deck Machinery Department of Garden Reach Shipbuilders & Engineers Limited (GRSE) was established in 1970. The aim was to indigenise sophisticated deck machinery products and provide state of art customer specific solution to the Indian Navy and the Indian Coast Guard. Due care is taken to maintain high 'Power to Weight' ratio for achieving 'Slim and Sleek' design.
- ❖ Depending upon the application, the products together with principal drive systems-Electrical, Hydraulic and Pneumatic systems are configured and catered for overcoming adverse marine situations with interlocking safety features including emergency mode of operations.
- ❖ In keeping with stringent quality measures, the products are validated by using in-house test facility as well as Harbour Acceptance Trial (HAT) and Sea Acceptance Trial (SAT) to the complete satisfaction of the customers and the third party inspection agencies like ABS, IRS, LRS, RINA, DGQA etc.
- ❖ GRSE has won the prestigious Raksha Mantri's Award for import Substitution in developing critical marine systems such as "Common Helicopter Traversing System" for handling both ALH and Seaking Helicopters.
- ❖ The Deck Machinery Unit is ISO 9001-2015 certified and enjoys more than four decades of excellent track record.

For any business enquiry, please contact:

Marketing Department, GRSE Bhavan
 61, Garden Reach Road, Kolkata -700024
 Phone : +91 33 2469 8105
 Mobile : +91 9831700811/9163361879
 Fax : +91 33 2489 3424/2469 6975
 e-mail : marketing@gmail.co.in
 grse.mktg@gmail.com

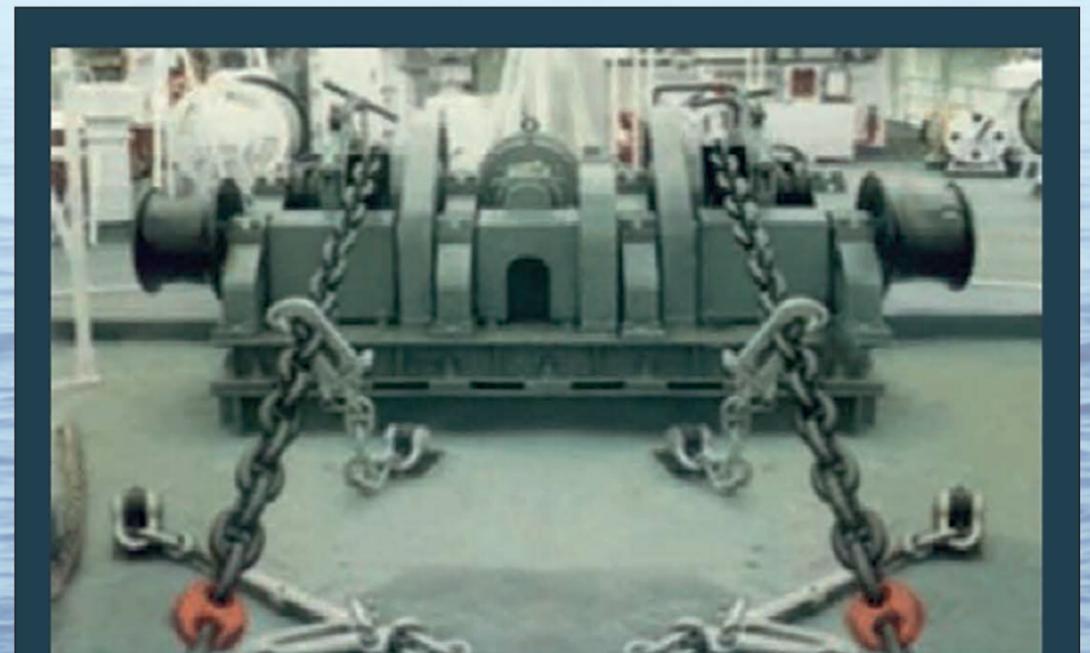
Deck Machinery Unit
 P-2/2, Taratala Road, Kolkata-700088
 Phone : + 91 33 2469 6942/8138/8139
 Mobile : +91 9163361820
 Fax : +91 33 2469 8137
 e-mail : Naskar.Manaskumar@grse.co.in
 grsedkmc@gmail.com



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 on GRSE



LCA Boat Davit



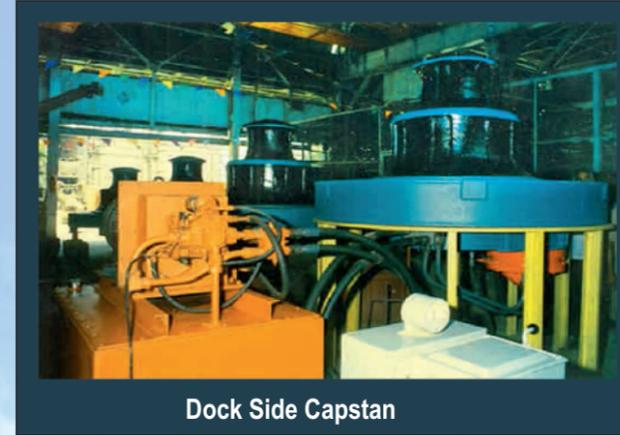
Anchor Windlass



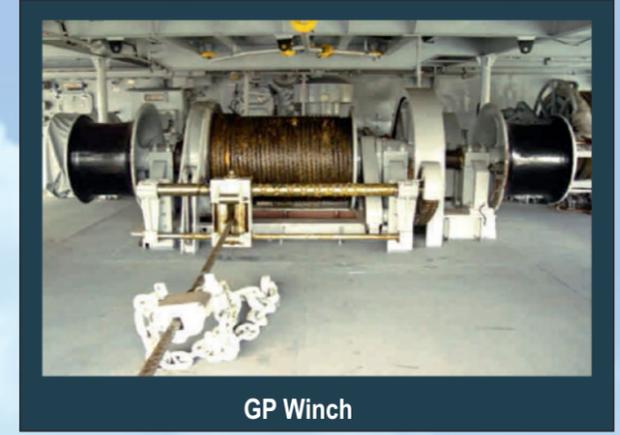
Anchor Capstan



Telescopic Helicopter Hanger



Dock Side Capstan

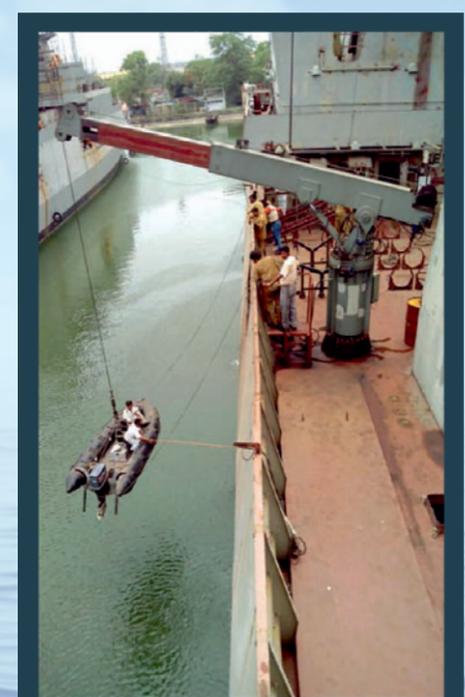


GP Winch

Products	Range
Helicopter Traversing System	1.Rail Less 2.Rail Based (Single & Twin Track)
Boat Davit	1.2T-14T
Dock Side Capstan	7T-20T
Ship Board Capstan	2T-6T
Mooring Winch	5T-20T
Anchor Capstan	16mmU1-50mmU3
Anchor Windlass	16mmU1-90mmU3
Electro Hydraulic Deck Crane	1.75T-3T
Telescopic Aluminium Helicopter Hanger	Clear Opening Width-3.66M, Extended Length-11.34M Retracted Length-3.6M Minimum Head Room-3.66M

Platforms
❖ Aircraft Carriers
❖ Survey Vessels
❖ Corvettes
❖ Fleet Tankers
❖ LST(L) and LCUs
❖ Frigates
❖ Fast Attack Crafts
❖ Sea Ward Defence Boats
❖ Dredgers

Customers
❖ Indian Navy
❖ Indian Coast Guard
❖ Mazagon Dock Ltd.
❖ Goa Shipyard Ltd.
❖ Hindustan Shipyard Ltd.
❖ Cochin Shipyard Ltd.
❖ Kolkata Port Trust
❖ GRSE Ship Division



Electro Hydraulic Boat Davit with Auto Tensioning

Salient Features of Electro-Hydraulic Deck Machinery

- ❖ Free Deck Disposition due to hydraulic power installed under deck
- ❖ Solidity, compactness & high efficiency
- ❖ Elimination of Reduction Gear Box by use of Low Speed High Torque Hydro-motor in some equipment
- ❖ Noiseless and without vibration
- ❖ Lower power consumption relative to load
- ❖ Stepless speed variation with continuous regulation

Test Facility

- ❖ GRSE is the most reputed supplier of Deck Machinery Equipment in India, having dedicated Test Bed for testing of the equipment by applying direct load as per the requirement. Maximum Test Load is 40T.

After Sales Service

- ❖ With Deck Machinery, the service continues even after the product is delivered. Buyer-seller relationship is maintained through prompt, efficient after sales service and product support.