

Gates Hoist

Hydraulic Hoist/Power Pack/Stationary Hoist/Movable Hoist



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GENERAL MECHANICAL WORKS PVT. LTD.

An ISO 9001 : 2008 Certified Company

Gates Hoist (Hydraulic Hoist & Power Pack)

Hydraulic hoists are most commonly used gate operating mechanism in present times as given advantage of high load capacity with design simplicity, ease of control and operating reliability and greater mechanical efficiency.

We design and manufacture Hydraulic Hoists for Radial Gates of Dams / Barrages & Wheel / Slide type Vertical Gates like intake gates, bonnet gates, etc. - GIVING SINGLE SOURCE SOLUTION FOR GATE AND MATCHING RELIABLE HYDRAULIC HOISTS. We provide both single acting and double acting cylinders.

We have specialised in making tailor made - hydraulic cylinders for our customers and we participate from idea to reality. Every aspect of design, machining, finishing and assembly is carried to completion by qualified and skilled craftsman.

We also manufacture custom - built hydraulic power packs. Utmost care is taken to ensure that Quality Standards are maintained throughout the manufacturing process.

Our eye for even the minutest detail ensures that only standard accessories such as Suction strainers, Pressure Line Filter, Pressure Transmitters, Level & temp Sensors, Filler breathers, Pressure gauges, Gauge isolators and Return line fillers, etc., are used during the manufacturing process. The critical high pressure pump valves and other hydraulic elements will be one of the famous BOSCH-REXROTH, YUKEN, ATOS, HYDAC, POLYHYDRON, HYDROLINE and SAURER DANFOSS from India and worldwide companies, always ensuring excellent performance.





Gates Hoist (Stationary Hoists/ Movable Hoists)

Electromechanical hoists usually referred as steel wire rope hoists are used exclusively in gates where closure is made by its own weight. These can be either fixed type (rope drum hoists) or moving type (gantry cranes / EOT). GMW specializes in the design, fabrication, and installation of powerhouse cranes, intake gates, draft tube gates, spillway gates, gate hoists and gantry cranes.



We design and manufacture rope down Hoists for Radial Gates of Dams / Barrages, Wheel type and Slide type Vertical Gates - GIVING SINGLE SOURCE SOLUTION FOR GATES AND MATCHING RELIABLE HOISTS.

With a multi-disciplined engineering department (structural, mechanical, electrical and automation), extensive machine shop, and large final assembly areas, GMW can deliver cranes meeting any hydro application requirements.

Through our strictly applied ISO 9001:2008 Quality Management System, we assure that all our customers requirements from design to final commissioning and after sales services are met.

Type of Hoists

- **Stationary Hoists:**
 - Rope Drum Hoists
 - Screw Hoists
- **Movable Hoists:**
 - Gantry Cranes
 - EOT Cranes





WE ALSO EXECUTE ON EPC BASIS

INTAKE EQUIPMENT	: Travelling Water Screens, Trash Racks, Bar Screens, Stoplog Gates, Mobile Cleaning Machines.
HYDROMECHANICAL EQUIPMENT	: Vertical Lift Fixed Wheel Gates, Radial Gates with Rope Drum Operated or Hydraulically Operated Hoists for Barrages, Dams, Power Houses.
PIPING SYSTEM	: Piping Systems of Low Pressure, Fire Protection System, F.O. and Large Dia Piping for Thermal and Hydro Electric Projects.
STRUCTURAL STEEL	: Fabrication and Erection of Heavy Steel Structures for Station Building, Coal Bunker, Switchyard etc. of Power Plants.
TANKS	: Floating roof and fixed roof Storage Tanks for Fuel Oil, D.M. Water, Lube Oil, etc.
BALANCE OF PLANT (BOP)	: Design, Supply and Installation of BOP Systems for Power Plants.

SOME OF THE PROJECTS COMMISSIONED

Sr. No.	Name of Customer	Brief Description of Work and Name of Project
01	Abir Construction Pvt.Ltd.	Design, Fabrication, Supply & Erection of Hydro Mechanicals Components Hoists & Gantries, such as Dam complex, Gates for Malana-II HEP (100 MW) HP.
02	Abir Infrastructure Pvt. Ltd., Haryana	Design, Manufacture, Shop Inspection, Painting Packing, Transportation, Storage & Preservation, Erection, Testing and Commissioning of Gates along with embedded parts, anchorages, hydraulic hoist, supporting structure to hoist and Cranes for TEESTA III Hydro Electric Project at Sikkim.
03	International Power Corpn. Ltd, Bangalore,	4 Nos. Radial Gates with 50 T capacity Hydraulic Hoist, 3 Nos. Draft Tube Gates, Surge Shaft Gates with 30 T capacity Hydraulic Hoist, Intake Gates & Trash Rack for Kempohole Mini Hydel Project (Karnataka).
04	International Power Corpn. Ltd, Bangalore,	Penstock Steel Liner of dia 3500 mm using high tensile steel plate of more than 1000 M length along with trifurcation, bifurcation, bend and all special fitting etc. for Kempohole Hydro-electric Power Project.
05	Maneri Bhali Hydro Electric Project, Uttarkashi	1 set of Adit Gate, 1 set of Surge Shaft Gate with more than 150 T capacity Rope Drum operated Hoist against a design head of more than 100 M and 1 No. 40 T capacity Gantry Crane (Uttarakhand).
06	Angelique International Ltd, New Delhi. (Export Order)	3 Nos. Intake Gate of Size : 5.32 M x 5.32 M, with individual Hoists 3 Nos. Draft Tube Gate of Size : 5.6 m x 3.856 M with one Gantry Crane and 6 Nos. Intake Trash Rack of Size : 4.05 m x 7.5 m for Nam Song Hydro Power Project, Laos.
07	Kirloskar Brothers Ltd, Pune (Export Order)	15 Nos. Stoplog Gates & Weed Screen for KBL's Surinam Project in South America
08	Tamil Nadu Electricity Board, Chennai	21 Nos. 15.0 M x 9.0 M Vertical Gates with Rope Drum Hoist, 2 sets Stoplog Gates & 1 No. 35 T Capacity Gantry Crane, 4 Nos. 5.7 M x 15.7 M Intake Gate with 70 T Capacity Crane & 2 Nos. 12.4 M x 9.2 M Draft Tube Gates with two 65 T capacity Rope Drum Hoist for Bhavani Kattalai Barrage-I (Tamil Nadu)
09	NCL Energy Ltd, Hyderabad	3 Nos. Intake Gate with 30 T capacity Rope Drum Hoist, 3 Nos. Draft Tube Gates with 25 T capacity Hoist & 1 set Stoplog Gate with 25 T capacity Crane for Pothireddipadu Mini Hydel Scheme, (Andhra Pradesh)
10	NCL Energy Ltd, Hyderabad	3 Nos. Bonnet Gates with Hydraulic Hoist, 3 Nos. Draft Tube Gates, 12 Nos. Trash Racks & 1 set Stoplog Gate for Tungbhadra Dam, Mini Hydel Project (Andhra Pradesh)
11	Atria Hydel Power Ltd, Bangalore	2 Nos. Intake Gates with 50 T capacity Hydraulic Hoists, 2 sets Stoplog Gates, 2 Nos. Draft Tube Gates with 20 T capacity Rope Drum Hoist & 2 Nos. Trash Racks for Sivasamudram / Brindavan Hydel Scheme (Karnataka).
12	Karnata Power Corporation Ltd.	EOT crane with pendent type operating system for Raichur Thermal Power Plant, Unit- 8.



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