

# Piping Systems & Storage Tanks



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GENERAL MECHANICAL WORKS PVT. LTD.

An ISO 9001 : 2008 Certified Company



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# Piping Systems & Storage Tanks

We have successfully executed piping work aggregating to more than 350 K.M., ranging from 15 NB to 5500 NB piping (for 70 MW to 500 MW units) consisting of Water, Air, Gas, Oil, Fuel Oil, Steam Pipelines, etc. We are registered with Indian Boiler Regulation Deptt. (IBR) for carrying out IBR Piping & Boiler Jobs. The design, fabrication and erection of exposed and buried Power Plant piping system is also our speciality.

We are fully equipped for undertaking site fabrication of large dia. SMAW pipes to the most stringent specification. We have also executed Fuel Gas lines for Gas Based Projects. Different online equipment like valves, orifices, air vents, instruments, expansion joints and other specialities have been supplied, installed and commissioned successfully.

We provide high quality workmanship and our trained engineers ensure strict compliance with specifications.

We have also executed Cross Country Piping Packages on turnkey basis involving Pump House, buried / above ground piping, electrical and C&I works.

## PACKAGES HANDLED

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Station Piping Package

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Fuel Handling System

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Low / High Pressure Piping

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C.W. Piping System

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Steam Condensate Piping

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Cross Country Piping

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IBR Piping

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## STORAGE TANKS

GMW are fully equipped for design, fabrication and erection of Fixed or Floating roof storage tanks for oil and water services and have installed tanks for following applications :

- ▶ LSHS / HFO / NAPHTHA
- ▶ D.M. Water / CST
- ▶ Potable/Service/Raw
- ▶ LDO
- ▶ Lube Oil

We have capacity for bending / Rolling of plates upto 50 mm thick for Tank Work. We are approved vendor for PSU's like BHEL, NTPC, EIL, NPCIL etc. & various other private developers.



Sr. No.	Name of Client	Brief Description of Work & Name of Project	Consultant
<b>A PIPING SYSTEMS :</b>			
1)	Coastal Energen Pvt Ltd.	Supply of erection of Balance of Plant B - Mechanical Misc. for the 2 x 600 MW TPP at Tuticorin, Tamil Nadu (Under Execution).	T.C.E
2)	East Coast Construction & Industries Ltd.	CW Pump House, Forebay, CW Pipes & CW Channel Civil Works for the proposed 2 x 600 MW Mutiara Thermal Power Plant Near Tuticorin, Tamil Nadu (Under Execution).	T.C.E
3)	Karnataka Power Corporation Ltd.	Design Engineering Manufacture, Fabrication, Quality Surveillance, Testing at manufacturer's Works, Packing Delivery F.O.R. Raichur Site of Equipment / Materials Commissioning and Conducting PG test of Low Pressure Piping System.	KPCL
4)	Karnataka Power Corporation Ltd.	Civil Works of CW System (Forebay, Pump House and Pipeline) for 250 MW Raichur TPS, Unit # 8	KPCL
5)	Rajasthan Rajya Vidyut Utpadan Nigam Limited.	Supply, Erection, Testing and Commissioning of L.P. Piping Package for 1x125 MW Giral Lignite Thermal Power Station, Giral, Dist. Barmer.	DESEIN
6)	Gujarat Mineral Development Corporation Ltd.	Design, Engineering, Manufacture, Supply, Erection, Testing and Commissioning of Low Pressure Piping System for 2 x 125 MW Akrimota Thermal Power Station	DESEIN
7)	Bharat Heavy Electricals Ltd.	Supply of LP Piping for 2x250 MW Suratgarh TPS, Stage II Units 3 & 4 of Rajasthan Rajya Vidyut Utpadan Nigam Ltd.	BHEL
8)	Alstom Power India Ltd.	Supply & Erection of L.P. Piping Package for the 1x250 MW LFPP at Neyveli, Tamilnadu.	D.C.P.L.
9)	National Thermal Power Corp. Ltd.	Design, Supply, erection testing and commissioning of underground Effluent Disposal System package including Pumps, Electrical & C&I works of Jhanor - Gandhar Gas Power Project, Dist. Bharuch	NTPC
10)	Encon Services Pvt. Ltd.	Design & Engineering, Supply, erection, testing and commissioning of L.P. Piping Systems for 355 MW (ISO) Combined Cycle Power Plant at Kondapalli,	ENCON
11)	Bharat Heavy Electricals Ltd.	Fabrication, Erection, testing, commissioning and handing over of L.P. Piping systems for 430 MW Combined Cycle Power Plant at Faridabad (Haryana)	BHEL
12)	Tamil Nadu Electricity Board	Supply & Erection of L. P. Piping incl. of Oil Unloading Systems for 3 x 210 MW North Madras Thermal Power Project Unit 1, 2 & 3	T.C.E.

## WE ALSO EXECUTE ON EPC BASIS

<b>TANKS</b>	: Floating roof and fixed roof Storage Tanks for Fuel Oil, D.M. Water, Lube Oil, etc.
<b>PIPING SYSTEM</b>	: Design, Supply & Installation of Piping Systems for Power Plants ranging from small bore upto 5500 mm dia for Thermal and Hydro Electric Projects.
<b>STRUCTURAL STEEL</b>	: Fabrication and Erection of Heavy Steel Structures for Station Building, Coal Bunker, Switchyard etc. of Power Plants.
<b>INTAKE EQUIPMENT</b>	: Travelling Water Screens, Trash Racks, Bar Screens, Stoplog Gates, Mobile Cleaning Machines etc.
<b>HYDROMECHANICAL EQUIPMENT</b>	: Vertical Lift Fixed Wheel Gates, Radial Gates with Rope Drum Operated or Hydraulically Operated Hoists for Barrages, Dams, Power Houses etc.
<b>BALANCE OF PLANT (BOP)</b>	: Design, Supply and Installation of BOP Systems for Power Plants.

Sr. No.	Name of Client	Brief Description of Work & Name of Project	Consultant
<b>B M. S. STORAGE TANKS</b>			
1)	Bharat Heavy Electricals Ltd.	02 Nos. Condensate Storage Tanks & 2 Nos. D. M. Storage Tanks (site fabricated) for 2 x 270 MW SIKKA TPS.	T.C.E.
2)	Bharat Heavy Electricals Ltd.	Fule Oil Handling System for 2 x 270 MW SIKKA TPS. (Under Execution)	T.C.E.
3)	Bharat Heavy Electricals Ltd.	2 Nos. Condensate Storage Tanks (Site Fabricated) for 2 x 500 MW TPS at Tuticorin.	T.C.E.
4)	Bharat Heavy Electricals Ltd.	Supply Erection & Commissioning of FOH Storage System and its mandatory & pares for 2 x 500 MW Anpara - D Project (Under Execution).	
5)	Bharat Heavy Electricals Ltd.	02 Nos. Condensate Storage Tanks & 4 Nos. D. M. Water Storage Tank (site fabricated) for 1 x 600 MW North Chennai Unit # 1 and Unit # 2	DCPL
6)	Bharat Heavy Electricals Ltd.	Fuel Oil Transfer & Storage System with all accessories for 2 x 125 MW Barsingshar TPS	BHEL
7)	Bharat Heavy Electricals Ltd.	3 Nos. Misc. Tanks (Site Fabricated) for 2 x 125 MW Barsingshar TPS	T.C.E.
8)	Bharat Heavy Electricals Ltd.	4 Nos. Misc. Tanks (Site Fabricated) for 1 x 500 MW Ukai TPS	T.C.E.
9)	Bharat Heavy Electricals Ltd.	3 Nos. Misc. Tanks (Site Fabricated) for 1 x 500 MW Prototype Fast Breeder Reactor (NPCIL) Kalpakkam Project	DCPL
10)	Bharat Heavy Electricals Ltd.	4 Nos. Misc. Tanks (Site Fabricated) for 2 x 350 MW Combined Cycle Power Plant at GSPC Pipavav Power Co. Ltd., Pipavav	T.C.E.
11)	Bharat Heavy Electricals Ltd.	4 Nos. Misc. Tanks (Site Fabricated) for 2 x 750 MW Pragati CCPP (Under Execution)	NTPC
12)	Indian Oil Corporation Ltd.	Fabrication and Erection of 1 No. Floating Roof Vertical Tank (16 m dia x 14 m Ht.) at Mangalore Terminal. (90 MT)	-
13)	Gujarat Electricity Board	Misc. Steel Tanks incl. Insulation, Heating Coils for FO/DM/LDO HSDO/ Other Tanks for 3x210 MW Gandhinagar Thermal Power Station Units 3, 4 & 5. (540 MT)	DESEIN



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