



Water & Waste Water Projects

McNally Bharat Engineering Company Limited

- *Water Represents Life*



Power Plant Projects | Metals & Mining Projects | Infrastructure Projects & Construction

ABOUT US



- We, at MBE believe in change. Progressive change, putting the nation forward. The entire journey has evolved us as an organization. Shaping dreams, breathing life into infrastructures, changing the skyline have always inspired us to strive for more. Today we are a global company, professionally managed and profit making, devoted towards building tomorrow, today.
- With more than 50 years of excellence in the field of engineering and construction, our success has made us develop into a major EPC contractor with over 350 successfully constructed & commissioned projects. The quality of work we implement has enabled us to gain trust of our clients, resulting in repeat orders.
- MBE has grown from being a manufacturer of material handling & mining equipment in 1961 to a large multi-product, multi-location, multi-dimensional organization, which is recognized for implementing top-notch projects in India & abroad. In more than 50 years of service we have been able to construct projects in different sectors: Power, Steel, Coal & Mining, Ports, Aluminium, Material Handling, Mineral Processing, Transportation and Water. And now with decades of experience in Industrial construction, MBE has entered into construction of Infrastructure projects like Water etc.
- During the past 4 years MBE has grown nearly 5 times from Rs 550 crores in 2007-08 to Rs 2668 crores in 2011-12 (consolidated)
- MBE has a divisionalised structure for its PROJECTS Business, which has 3 Divisions.

INFRASTRUCTURE PROJECTS & CONSTRUCTION DIVISION	POWER PROJECTS DIVISION	METALS & MINING PROJECTS DIVISION
<ul style="list-style-type: none"> • Industrial Construction • Transportation • Buildings & Townships • EPC Construction • International Projects 	<ul style="list-style-type: none"> • Balance of Plant (BOP) • Coal Handling Plant (CHP) • Ash Handling Plant (AHP) • Water Manangement System • Customer Service 	<ul style="list-style-type: none"> • Mineral Processing • Steel • Cement • Material Handling • Port & Stockyard Equipment

- The manufacturing activities in India are carried out through a subsidiary company, McNally Sayaji Engineering Ltd, having factories at Kumardhubi, Asansol, Vadodara & Bangalore

MBE AROUND THE WORLD



MBE WATER MANAGEMENT SYSTEMS :-

Water represents life. We make sure it remains that way :-

MBE has made rapid advancement in water pretreatment processes, water filtration, water softening, waste water treatment, intake wells, pumping mains, water transmission & distribution systems. Sea water desalination also features on the list of breakthroughs, along with effluent treatment plants and side stream filtration. MBE has made major contributions to the water distribution projects and sewage disposal projects in RUDIP process units in Rajasthan. The Thickeners at Rampura Agucha is state of the art design, with 55 m diameter. The Intake Well and rising mains along with distribution pipeline has brought joy to the inhabitants in Trichy. The Distribution pipeline of the Ahmedabad Municipal Corporation has greatly reduced the scarcity of fresh water requirements. Presently, MBE is executing large capacity Pretreatment Plants for NTPC Super Thermal Power Projects in Mauda, Barh, Rihand, Vindhyachal and Singrauli. MBE is also executing the complete External Water Supply System for IISCO Burnpur's 2.5 MTPA expansion SMS & Caster shop and Complete Water Treatment Package including Resin & Membrane based Demineralization System for OTEC Tripura 726.6 MW Combined Cycle Power Project. Apart from turnkey projects, MBE also manufactures Thickeners and Centrifuges for various treatment plants through its subsidiary companies McNally Sayaji Ltd.

ONE STOP SHOP FOR TOTAL WATER MANAGEMENT

MBE has already created a landmark in water business. We provide comprehensive solutions for Total Water Management:

Raw Water Treatment Systems :-

- Large Industrial Water Treatment Plants.
- Municipal Water Treatment Plants.
- Drinking Water Treatment Plants.

Wastewater Treatment Systems :-

- Conventional Sewage Treatment Plants.
- Advanced Sewage Treatment with SBR/ MBBR/ MBR technologies.
- Large Effluent Treatment Plants.

Advanced Tertiary Water Treatment Systems :-

- Sea Water Desalination.
- Tertiary Water Treatment Plants with MF/ NF/ UF – RO/ DM – MB/ EDI/ EDR

Water/ Sewerage Transmission and Cross-country Piping :-

- Under Ground Drainage and cross country pipelines.
- Water Intake, Pumping, Transmission & Distribution Systems.
- Elevated/ Ground Level Service Reservoirs (ESR/ GSR).

Other Environmental Services :-

- Lake Restoration
- Waste Sewage Sludge Handling & waste to energy projects
- Rain Water Harvesting System



Our capabilities to build Water Infrastructure Projects are as follows :-

CIVIL CAPABILITY :-

- Deep excavation, Rock excavation, Piling – driven & bored, Marine piling, etc.
- Well foundation, soil/ rock anchoring Tunnel construction, Diaphragm walls.

MECHANICAL ERECTION & PIPING WORK CAPABILITY :-

- Fabrication/ installation of more than 1.5 million Inch Diameter of piping in a year
- More than 400 KM of Cross country pipeline annually for various services.
- In Equipment Erection MBE is capable of handling and installing static & rotary equipment from below ground level to a height of 100 Meters using the most modern methods.

ELECTRICAL INSTRUMENTATION & AUTOMATION CAPABILITY :-

- Indoor substations (upto 33 KV), GIS substations (upto 400 KV), Outdoor substations (upto 750 KV), Switchyards (upto 400 KV), Transformers, HT & LT switchgears
- Overhead transmission lines upto 400 V, HT Bus ducts,
- HT & LT motors, DC Rectifiers & capacitors
- Installation of PLC system, DCS system



PARTIAL LIST OF OUR ESTEEMED CLIENTS :-

- **Ahmedabad Municipal Corporation (AMC)**
 - Bharat Coking Coal Limited (BCCL)
- **Bharat Heavy Electrical Limited (BHEL)**
 - Bihar State Electricity Board (BSEB)
 - Damodar Valley Corporation (DVC)
 - HINDALCO
 - Hindustan Zinc Ltd. (HZL)
 - Ideal Energy Projects Ltd. (IEPL)
- **Kolkata Municipal Corporation (KMC), Kolkata**
- **Madhya Pradesh Power Generation Company Limited (MPPGCL)**
 - NTPC BHEL Power Projects Pvt. Ltd. (NBPPL)
 - Neyveli Lignite Corporation (NLC)
- **National Mineral Development Corporation (NMDC)**
 - National Thermal Power Corporation (NTPC)
- **ONGC Tripura Power Corporation (OTPC), Tripura**
- **Rajasthan Urban Industrial Development Pradhikaran (RUIDP), Rajasthan**
 - Steel Authority of India Ltd. (SAIL)
- **Tamil Nadu Water And Drainage (TWAD) Board**



MBE has an impressive inventory of owned construction equipment deployed at various sites. These are operated by trained operators. All equipment are maintained as per manufacturers' recommendations. We also have an approved panel of Equipment Leasing companies from whom we sometimes take equipment on long term lease.



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