

POWER & PROCESS INDUSTRY





330 MW CCPP RRVUNL
Dholpur, Rajasthan

ABOUT THE COMPANY

The company was originally incorporated in 1985, as a joint venture with GEA Energietechnik GmbH, Germany to manufacture and supply online Condenser Tube Cleaning Systems, Debris Filters and Rubber Cleaning Balls used in Thermal and Nuclear Power Plants.



Today BGR Energy is a listed public limited company comprising five complementary businesses:

Power Projects Division: Undertakes turnkey EPC and BOP contracts for coal-based Thermal Power Plants and Gas based Combined Cycle Power Plants typically over 200 megawatts ("MW"). The division completed its first contract in 2002.

Oil & Gas Equipments Division: Designs and manufactures Gas conditioning & Metering skids, Storage tanks, Pipeline pig launching & Receiving systems, Gas processing complex and Gas compressor packages related to the oil and gas industry for companies in India and abroad.

Air Fin Coolers Division: Established in 1994, designs and manufactures Air-Fin Coolers which cools process fluids and gases used in the refining, petrochemicals, and oil & gas industries.

Environmental Engineering Division: Established in 1996, designs, and manufactures Deaerators, Desalination plants, Water treatment plant, Effluent treatment plants and Condensate Polishing Plant with applications in Power, Process and other Industrial Sectors.

Electrical Projects Division: Established in 2003, designs and supplies Electrical systems and equipment such as Gas Insulated Switchgear (GIS) substations, Optical Fiber Power Ground Wires (OPGW), Extra High Voltage substations and Transmission Lines to Power Stations, Refineries and Petrochemical plants.

ABOUT ENVIRONMENTAL ENGINEERING DIVISION

Environmental Engineering Division conducts its business in two segments viz., Design, Engineering, Manufacture & Supply the entire range of Deaerators and the Total Water Systems on turnkey basis in India and abroad.

PRODUCTS & SERVICES

Deaerator

The Division enjoys the leading position in the country in the field of Deaeration, having designed, manufactured & successfully commissioned India's largest ever Deaerators for 2x525 MW Tarapur Atomic Power Plant. The Division is also the first to manufacture & supply 3 sets of Deaerators to the first super critical power plant in the country viz. 3x660 MW NTPC, Sipat. More than 100 Deaerators are operating satisfactorily in India and abroad in all segments of industry with varying capacities from 15 TPH to 3105 TPH.

Deaerators at Jubail Water & Power Company, Al-Jubail, KSA



Deaerator awaiting shipment to Artenius Sines Mega PTA Project, Portugal





Pretreatment Plant at 500 MW
KTPP, Warangal. A.P

Water Treatment Plant

We offer different technologies like Clarifiers, Clariflocculator, Rapid Gravity Filters, Pressure Filters etc for pre-treatment for removal of high suspended solids, colour, Silica and heavy metals etc. from raw water.

Demineralization & Mixed Bed Unit

Demineralization is a reversible interchange of ions present in water and resins to achieve very high purity water. Mixed Bed serves as a final polishing unit as a post treatment to Demineralization Plant and Reverse Osmosis to the requirements of the stringent feed water quality for high pressure boilers and other special applications.



DM Plant at 500 MW KTPP,
Warangal. A.P



CPU Plant, 2x550MW
Rutenberg Power Station, Israel

Condensate Polishing Plant

Condensate Polishing Plant is employed to prevent return steam condensate contaminants and corrosion products from entering into the Turbine / Boiler. Condensate Polishing Plant overall reduces the operating cost of power plant by improving its efficiency.

As an exclusive licensee of Termomeccanica, Italy one of the largest suppliers of CPPs in the world, we offer the complete range of CPPs for the Power sector.

Industrial Effluent Treatment & Reuse

To cater to the needs of growing population and vastly expanding industrial segment, amidst prevalent water scarcity, we offer the state-of-the-art membrane technologies to treat various industrial effluents for optimum reuse / zero discharge.

India's largest 12MLD Textile based
Effluent Recycling Plant, Tirupur, T.N



OUR ESTEEMED BUSINESS PARTNERS



ALSTOM



AkerSolutions



ABB



ANSALDO
CORPORATION



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HYUNDAI
HEAVY INDUSTRIES CO., LTD.



KSS

RELIANCE Energy
AND CHEMICALS LIMITED

Dodsai



Reliance
Industries Limited



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