



PARIVARTHAN

Transform your needs

PARIVARTHAN THERMAL ENGINEERING PVT. LTD.



Our Services

Conversion of Boiler

- Coal to Biomass firing
- Coal to firing of waste gases/ low calorific value gases such as Blast furnace gas, Bio gas either fully or partially.

Health assessment

- Health assessment of Boilers pressure parts .
- The Remnant Life Assessment (RLA) of Boilers as per IBR, ASME.

Performance Enhancement

- Energy audits of various boilers, plants and provide the solutions for improving the performance and reducing the fuel consumption.
- Reduction in auxiliary power consumption of Boilers and Power plants

Consultancy

- Detailed Project Work/Feasibility study of Distillery, power plants and boilers.
- Technical Consultancy Services for Distillery
- Technical Consultancy Services for Power Plants either with EPC or in Package basis
- Boiler and power plant control and instrumentation (Automation)
- Boiler and power plant Electrical Engineering

Boiler Site Services

- New Boiler Commissioning
- Existing boiler tuning
- Shutdown Inspection
- Operation & Maintenance Contract
- Performance Test of Boiler and power plants
- Instrumentation & Controls
- Annual Maintenance contracts

Engineering Services

- Capacity enhancement
- Failure analysis of Boilers tubes
- Thermal design
- Boiler circulation check
- Troubleshooting of Boiler Problems
- Complete Design and Engineering services of Boilers & Power plants
- Process/Thermal design and detail engineering
- Specialized Process Equipment design
- Structural design with STAAD including Steel Modular construction building design and structural detailing with TEKLA and AutoCAD
- Engineering of Complete Process Plant Piping.
- IBR Piping Stress Analysis, Isometrics & Preparation of IBR Drawing
- Engineering of Bunker, Chimney, Silos and Tanks
- Steam Pressure reduction de-superheater station

Our Leadership



Mr. M. Ganeswara Rao

-Managing Director

A Mechanical Engineer with post Graduation (M.E) in Design and Production of thermal plant equipment from NIT – Trichy. He has more than twenty seven years experience in design and Engineering Boiler & Power Plants supplied globally by various reputed companies including Isgec Heavy Engineering Limited - Noida, IDEA Austrian Energy Private Limited – Chennai, ThyssenKupp Industries india Pvt Limited (Pune), LIPI Boilers Limited(Pune).

Last assignment was with ISGEC Heavy Engineering Limited – Noida as Associate Vice President - Boiler Engineering.

Competent person for IBR (Indian Boiler Regulation) issued by central boiler board.

Certified energy auditor from bureau of Energy Efficiency

ASME – Section 1 IWG member.

Institution of Engineers – India - FIE (Fellow)

Chartered Engineer(India)

Institution of Valuers – FIV (Fellow)

Indian Society for Non Destructive Testing -ISNT - Life Member

Bureau of indian standards- Boilers And Pressure Vessels review committee member

He Undergone 4 Weeks training about “**Municipal waste boilers**” in Austrian Energy (Switzerland- **Zürich**), 4 Weeks training about “**CFBC fired Boilers**” in Austrian Energy (Austria- Graz), 4 Weeks training about “**AFBC fired Boilers**” in Austrian Energy (Austria- Vienna), 2 Weeks training “ **CFBC fired Boiler**” in Foster Wheeler (Finland).

He has vast experience in Thermal design, Detail Engineering, commission and trouble shooting of various boilers i.e Traveling Grate, fired boilers, Reciprocating Grate Boilers, Pulsating Grate Boilers, Dumping grate boilers, Municipal Waste Boilers, Oil and Gas Boilers, AFBC Boilers, CFBC Boilers, Cement Waste Boilers, DRI (Sponge iron) waste heat Boiler, Coke Oven waste heat boiler, Boiler retrofitting, Boiler capacity enhancement, Fuel conversion from coal to biomass, Boiler automation.



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