

GRANDEH



**Engineering
Excellence.**

www.grandeh.com

LETTER FROM MD DESK

At GRANDEH, every blueprint, weld, and site hand-over reflects our core values: integrity, innovation, and impact. Integrity means honest advice, clear pricing, and a strong safety culture. Innovation helps our R&D team turn challenges—tougher emissions, tighter schedules, rising fuel costs—into efficient, real-world solutions. Impact is our measure of success: lower costs for clients, smaller carbon footprints, and safer workplaces.

But technology alone isn't enough. We invest in people: engineers who optimize relentlessly, fabricators who treat each part as their signature, project managers who unify teams, and service crews who stay on call long after delivery.

Thank you for choosing GRANDEH. Together, we raise the bar for quality, delivery, and sustainable performance.

— **JN Prasad, MD**



VISION

To be india's most trusted industrial engineering company—delivering sustainable, high, performance, and cost-effective infrastructure across sectors.

MISSION

To deliver customized turnkey solutions that optimize resource use, minimize emissions, and enable faster project delivery through process integration and engineering excellence.

INTRODUCTION

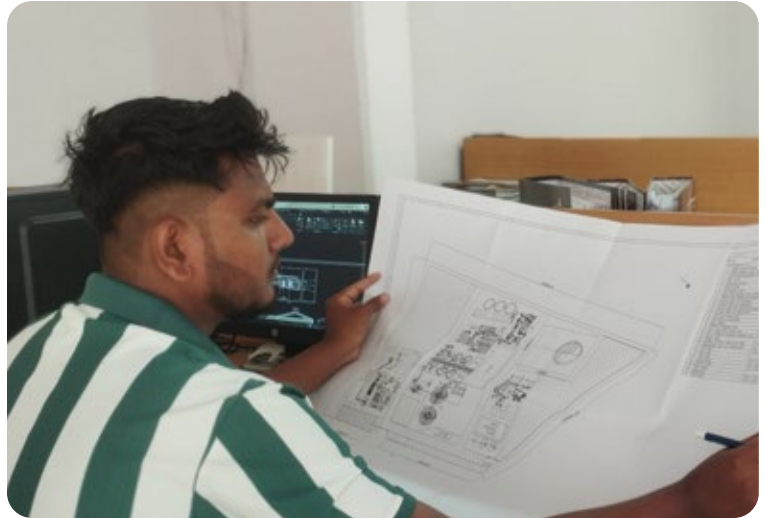


ABOUT GRANDEH GROUP

GRANDEH is a purpose driven engineering company based in Pune, an industrial hub in the state of Maharashtra(India), dedicated to delivering energy, environment, and process solutions that help industries grow responsibly.

WHAT WE STAND FOR

- Engineering-led thinking
- Transparent, milestone-driven delivery
- Sustainability embeded in evey project
- Customized solutions for industries



WHAT WE DELIVER

Our solutions are organized across four verticals – designed to unlock efficiency, sustainability, and long-term value



Boiler & Thermal Systems

High-efficiency solid fuel and waste heat boilers



Environmental & Energy Solutions

ZLD, emission control and heat recovery suites



Industrial Projects & EPC



Custom Fabrication & Process Equipment



BOILER AND THERMAL SYSTEM

GRANDEH delivers engineering solutions designed for performance, efficiency, and reliability across a wide range of industrial applications. From solid fuel to waste heat recovery, our systems are custom-built as per customer requirement while following best engineering practices.

WHAT WE-OFFER

- Biomass-Fired Boilers
Travelling grate, pulsating grate
- Coal-Fired Boilers
AFBC, shell-type, hybrid configurations
- Oil/Gas-Fired Boilers
Fire tube & water tube models for clean combustion
- Composite & Hybrid Boilers
Smoke tube + water wall for compact & efficient combustion



TECHNICAL HIGHLIGHTS

- IBR-certified with high steam efficiency
- Capacities upto 100 TPH
- Pressure up to 110 bar.
- Superheated as well as saturated boilers





HEAT RECOVERY SYSTEMS

In every industrial process, heat is a precious resource – one that should never go to waste, at GRANDEH. we design and deliver custom, build Heat Recovery Steam Generators (HRSGs) and waste best recovery systems that utilizes otherwise lost energy to its effective use.

WHY GRANDEH FOR HEAT RECOVERY SYSTEMS?

- In house engineering with detailed thermodynamic analysis
- Hybrid integration with existing systems
- Proven installations across distilleries, pharma and agro-industries.



OUR SOLUTIONS INCLUDE



Heat Recovery Steam Generators (HRSGs)

- Vertical or horizontal configurations
- IBR certified with full-safety instrumentation



Steam Coil Air Preheaters (SCAPH)

- Preheats combustion air using low pressure steam
- Reduces fuel consumption & improves combustion efficiency



INDUSTRIAL PROJECTS & EPC

GRANDEH offers full-spectrum EPC services for distilleries, ethanol plants, and integrated process units. We deliver end-to-end project execution – from civil foundations to commissioning – adhering to CPCB, ISO, IBR, and local standards. Our project-oriented, phased approach ensures faster execution and compliance.

ENGINEERING & LAYOUTS

- Site plans & utility design
- Multi-disciplinary expertise

EPC EXECUTION

- Civil, mech, elec, pipings
- Boilers, Power plant, ZLD systems

CONSTRUCTION & COMMISSIONING

- Civil foundations to trial runs
- Single-point project accountability

DESIGN · SUPPLY · ERECT · COMMISSION

ENGINEERING PROWESS

- STAAD PRO for structural analysis
- CAESAR-II for pipe stress analysis
- FEA analysis for fluid in critical vessel
- Custom software for heat exchanger simulations





BOILERS & POWER PLANT SOLUTIONS

GRANDEH delivers turnkey boiler islands and captive-power plants with integrated fuel handling, pollution control, and ash management for efficiency, uptime, and flexibility. From biomass and coal units to waste-heat recovery solutions, we handle design, supply, erection, commissioning—ensuring dependable steam and power.

BOILER & ITS AUXILIARIES

- High-efficiency water-/fire-tube & WHRB packages
- Complete feed-water, condensate, and blow-down skids

POLLUTION CONTROL

- Multicyclone, bag filter & ESP dust capture
- SOx/NOx reduction and online emissions monitoring

FUEL & ASH PLANT

- Automated biomass/coal conveying systems
- Mechanical & pneumatic ash extraction

DESIGN · SUPPLY · ERECT · COMMISSION

EXECUTION CAPABILITIES

- ISO Driven document control
- ERP bound billing and invoicing system
- Project Driven young team
- Experienced and client focused management





ENVIRONMENTAL & ENERGY SOLUTIONS

At GRANDEH, we design and deliver customized ZLD systems engineered to conserve every drop of water, maximize resource recovery, and ensure compliant discharge. From distilleries to dyeing units and pharmaceutical plants, our solutions integrate the latest in waste treatment technology—designed to be efficient, reliable, and robust.



WASTE-TO-ENERGY

- Biomass, agroresidue & RDF-fired boilers
- Grate/fluidised bed furnaces with up to 30 bar steam

EFFLUENT TREATMENT

- Multi-effect evaporates+ATFD for zero discharge
- Condensate recovery & heat integration modules

POLLUTION CONTROL

- Pulse, jet bag filters, cyclones & ESPs
- <20mg/Nm³ particulate guarantee

Applications: Ethanol & distilleries – Pharma & chemicals



ZERO LIQUID DISCHARGE (ZLD) SYSTEM

Sustainability is central to GRANDEH's mission. We engineer and install environmental systems that reduce emissions, reclaim energy, and help clients stay compliant. From ethanol distilleries to food processing plants, we implement closed-loop, low-maintenance, and CPCB-compliant systems.



CUSTOM-BUILT

Tailored to plant capacity, effluent profile, and future expansion.



WASTE MINIMIZATION

Concentrates dissolved solids for safe disposal or by-product recovery.



ENERGY SAVINGS

Heat-integrated designs cut utility costs and carbon footprint.

EVAPORATOR · DRYER · RECYCLE REUSE

ZLD SYSTEMS INCLUDES

- Multi-effect Evaporators
- Decanters
- H2S Scrubbers
- Anaerobic digestors
- Biogas combustion system



WORKSHOP



CUSTOM FABRICATION INFRASTRUCTURE

At GRANDEH, our 12,000 sq.ft ISO 9001-certified fabrication facility at Shendra MIDC, Maharashtra (INDIA) is built for precision, reliability, and speed. We deliver high-performance process equipment - from pressure vessels to skids that meet ASME, IBR, and client-specific standards.

WHAT WE FABRICATE

- Heat exchangers, steam coils
- Deaerators, condensate tanks
- Jacketed & non-jacketed vessels
- Piping headers & modular skids

SHOP CAPABILITIES

- 15-ton lifting
- Plate Rolling up to 30 mm
- SAW, GTAW, FCAW welding stations
- ISO 9001 QA/QC & NDT lab



ENGINEERING EXCELLENCE



WHY CHOOSE GRANDEH ?

At GRANDEH, we don't just build systems - we engineer performance. Our strength lies in the seamless integration of field experience, precision design, and disciplined execution. From high-efficiency boilers to ZLD systems and process equipment, our solutions are built for reliability, sustainability, and measurable ROI. We serve industries including ethanol, agro-processing, food, chemicals, and more - offering both turnkey execution with high performance engineered systems

WHAT SETS US APART

ENGINEERING-FIRST LEADERSHIP

Design-led approach with real-world adaptability

SPEED WITH PRECISION

Fast-track EPC and fabrication with milestone-based delivery

CERTIFIED EXCELLENCE

ISO 9001 & IBR-certified fabrication & QA systems

PAN-INDIA EXECUTION

Mobile teams with centralized support and documentation



BOILERS | HEATERS | EPC

GRANDEH



GLOBAL PRESENCE

with 200+ installations

SMS  group



TATA STEEL

STERLING & WILSON



3F INDUSTRIES LTD.

 DANIELI

SATKAR
PAPER MILLS
KRAFTING PAPER SINCE 1991

 PAUL WURTH

GRANDEH INDUSTRIES PVT LTD

74/1/1, Sant Nagar , Lohegaon , Pune 47, Maharashtra INDIA

contact@grandeh.com +91-9765989884

www.grandeh.com

GRANDEH