

www.ppboilers.in



Pressure & Process Boilers

— Making Energy for Progress —

AN ISO 9001:2008 CERTIFIED CO.

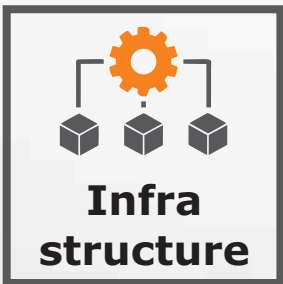
*Designer, Manufacturer
and EPC Solution Provider*

**Power Plant, Process Boilers,
Power Boilers for Co-Generation
& IPP Projects on EPC Basis**



About us

Pressure & Process Boiler (P) Ltd. was originated in 2009 to provide specialized Engineering and Project Service in the field of Boilers (Process) and co-generation power plant. In 2010, PP Boilers came forward in full swing in the field of Manufacturing of Steam Boilers and Boiler accessories/spares. Company Promoters have rich experience of more than 26 years in the field of Power Plant & Boiler Design Engineering, manufacturing, Project Execution and Erection & Commissioning. The Company is well known in the market for their commitment, competence and compliance.



Infrastructure

We have in-house manufacturing facilities for Pressure Parts and Non-Pressure Parts with 6000 sq yard Covered Land area Unit –I and with 2000 Sq yard Unit -2 where we manufacture our products with the help of new-technology automated systems. We are manufacturing high quality products with adequate infrastructure and well-defined system and procedures, Dedicated and talented workforce of 250 people comprising of engineers, supervisors and workers at different levels committed to deliver the best to their capability. We ensure adherence to best quality standards with continuous improvement, upgraded and latest design software and hardware. Today, PP Boilers is one of the leading players in the industry and showing steady growth in the business with dedicated efforts since last few years.



Why Us

- Understanding its customer and their requirements.
- Quality Products
- Customer Satisfaction
- Quick & Prompt Response
- Committed to EHS
- Competitive Pricing
- Fast Delivery
- Best After Sales & Services
- Highly Professional and Dedicated Team



Our mission is to bring about an evolution in Boilers, Power Plant, Pollution Control and Distillery technology with the introduction of environment friendly, trouble free, incineration at low-cost value product, with all safety norms. PPB products promise the customers an optimum performance at minimum running cost.

We ensure

- Continuous upgradation of technology to enhance quality and cost competitiveness of our products
- On-time delivery of the products to the customers.
- Regular feedback and interactions with our valued customers to satisfy them
- Maintaining a safe and clean workplace for the employees and enhance their level of motivation.
- Enhancing the knowledge and skill of employees at all levels through continuous training and development.

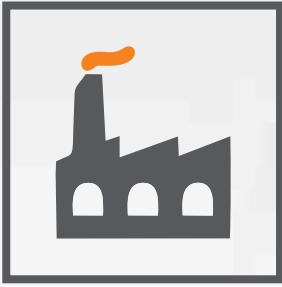


- Best after sales services of our products.
- Dedicated and qualified teams for 24X7 responses.
- Engineers equipped with latest tool and technology.
- Keeping customer satisfaction and services as a priority.
- Regular feedback from customers to improve our product and our services



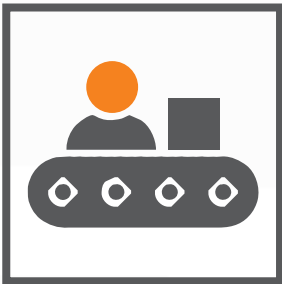
Our Products & Services for Boilers and Power Plant

- Complete Power Plant on turnkey basis
- High Pressure Boilers
- Process Boilers
- Skid-mounted Boilers
- Waste Heat Recovery Boilers.
- Spent-wash Boilers.
- Rice-Straw Fired Boilers.
- Special-designed Boilers.
- Un- Fired Vessels.
- High Pressure Vessels and Tanks.
- EPC Projects.
- Thermal Fluid Heaters.
- Hot Air Generators
- Air Pollution Control equipment's.
- Fabrication of all types of Structural Work, Plate Work, T.A. & vessels, IBR & NON IBR Piping's,
- Retrofitting of all types of Boilers and Pollution Control Equipments to enhance capacity, performance and efficiency.
- Site construction and commissioning.
- Troubleshooting and after-sales services.
- Supply of spares for Boiler, Power Plant, Sugar Plant, Distillery including Electrical and Instrument Spares.
- Plant inspections.
- Residual Life Assessment of Boilers.
- Energy Audits of the Plant.
- Skids & OPG general fabrication



Industries We Serve

- Sugar Plant
- Steel Plant
- Cement Industry
- Paper Plants
- Rice Industry
- Distillery
- Petrochemicals
- Fertilizers Industry
- Solvent Extraction Plant & Refiners
- Dairy & Agro Products
- Chemical & Pharmaceuticals
- Textile / Textile Processing
- Nuclear Plants
- Plywood Industries
- Pharmaceutical Industries.



Manufacturing Capabilities

- Three Covered Manufacturing Shops equipped with all required Machines, T&P, Cranes, Sand Blasting and Painting facility.
- Low radius bending with CNC Booster Bending Machine.
- Fabrication & welding of Higher Thickness Tank Vessels with saw-arc welding machine.
- Fabrication of all Pressure Parts as per IBR & ASME.
- Fabrication of IBR & Non IBR Piping's.
- Fabrication work of Structural, Plate Work & Miscellaneous items.
- Fabrication of Tanks & Vessels.
- In house designed and manufactured FANS for all applications .
- Pollution Control equipment's





Project Management

- We follow the latest Project Management Techniques to ensure timely delivery of projects.
- Project Manager, single focal point of contact for client who ensures effective coordination with Internal Department, Vendors and contractors.
- Planning & scheduling done via MS Project Software.
- Certified PMP from PMI USA to ensure Professional Project Management.



Quality Assurance and Control

- We are an ISO certified Company.
- Approved IBR certified Boiler Manufacturer Class -II (Up to 120 kg /cm²).
- All QC procedures & documentation are in place.
- Manufacturing of Pressure Part as Per IBR and ASME Guidelines.
- Ensure strict compliance to QAP.
- Dedicated QC lab at factory.
- Dedicated QC dept. to ensure quality with utmost importance at shop as well as site.



Environment Health and Safety

- EHS is given utmost importance.
- EHS standards and Manual in place.
- Regular training of shop and field engineers on EHS.
- Safety Posters are installed across all workshops and sites.

Complete Power Plant on Turnkey Basis



Capacity: 1 MW - 20MW

Fuel :

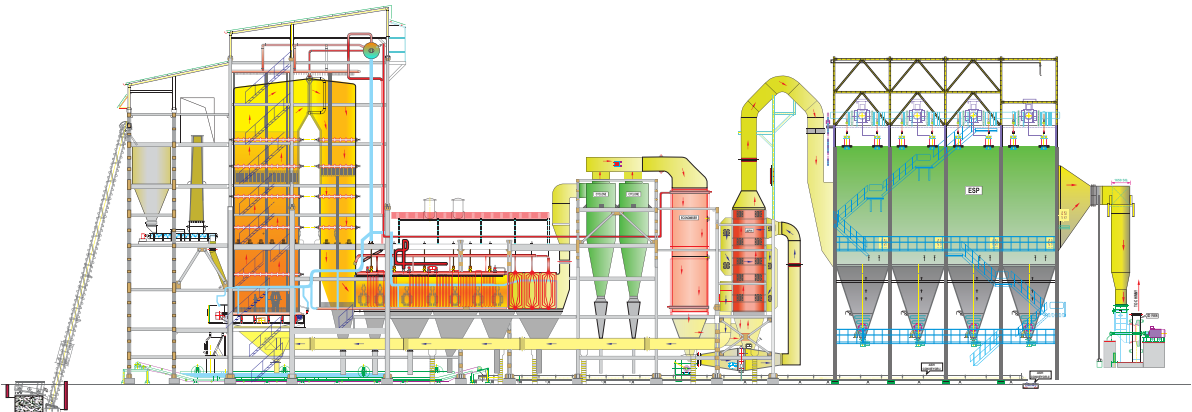
Coal, Rice Husk, Bagasse, Oil / LNG / NG , Wood Chips , Biomass and other fuels .

BENEFITS:

- Complete Design and Engineering of Power Plant by Well experienced Power Plant designers .
- Tie up with reputed Suppliers for Steam Turbine and Generator
- Fuel Handling System
- Water Treatment Plant
- Cooling Tower
- Electrical & Automation System
- ETP
- Experienced Project Management team for execution of Power Plant Project in India and Abroad .



Spent Wash (Slop) Fired Boiler for Distillery



Technical Specification

Density	:	Molases Based Distillery
Capacity	:	10 TPH to 80 TPH
W.P.	:	47 kg to 52 kg
Temperature	:	440°C

Description: Pressure & Process Boilers has introduced Spent Wash/Vinasse fired water Tube Boiler to Burn 100% Slop into the Boiler and keep Industry on Zero liquid Discharge. The proposed boiler is a Single-Drum Water Tube Boiler with multi-pass furnace design. PPB has proposed both external/internal fired super heater designs. The boiler is design on 75% spent wash/vinasse in combination with supporting fuels like Rice Husk/Coal/Biomass the slop contains Chlorine, Sulphur, K₂O and oxides of Sodium and magnesium keeping in view the impurities in its fuel the boiler is designed to avoid fouling/slogging problems.

Technology: The concentrated slops with 55 to 60% solid contents are injected into the furnace with the help of high-pressure pumps and special-designed spray nozzles. The slops burn completely in free board and it does not reach the bottom of the furnace i.e. bed or top of grate. The flue gases then pass through multi-furnace zone and major ash particles are separated at furnace outlet. The flue gases then pass through the evaporator/super- heater section incase of internal super-heater they pass through Evaporators, Economizer, Air Pre Heater, and Cyclone Bag House/ESP. The system is equipped with a number of customized soot blowers for on-line cleaning.

Rice Straw/Sugar Cane Leaf Trash Boiler (Vibrating Grade / Reciprocating Grate)



Rice Straw

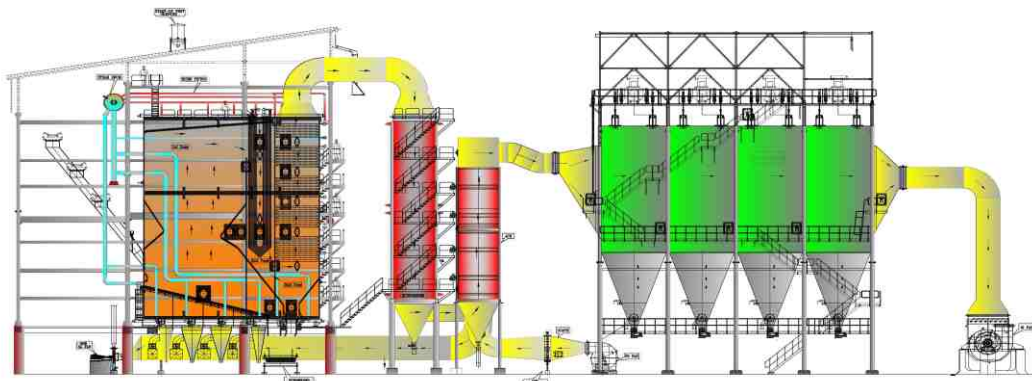
Pallets (Brickets)

Cotton Stalk

Groundnut Shell

Coconut Shell

Bagasse



Technical Specification

Industries	:	Paper, Chemical, Plywood and other
Capacity	:	6 TPH to 120 TPH
Working Pressure	:	10.5 to 87 Kg/Cm ²
Temperature	:	Up to 440 ^o c

Description: Pressure & Process Boilers introduce Rice Straw Bale Fired water tube Boiler to generate the steam for Process and Power generation at minimum running cost. The proposed boiler is a Single-Drum Water Tube Boiler with multi-pass furnace design with Internal Super heater.

The boiler is designed to burn 100% Rice straw in Bale shape or any Biomass. The Rice straw contains Silica, K₂O and oxides of Sodium and magnesium which are harmful for Boiler too. Keeping in view the impurities and high alkali contain in fuel, the boiler is specially designed to avoid fouling/slogging problems.

Technology: The Boiler equipped with Reciprocating Grate/Vibrating Grate Technology to Burn the 100% Rice Straw with maximum free board area and multi-pass design to avoid the Choking of Boiler. The flue gases then pass-through multi-furnace zone and major ash particles are separated at grate outlet. The flue gases then pass-through Super heater evaporator section after that Economizer, Air Pre-Heater, and Cyclone Bag House/ESP. The system is equipped with number of customized soot blowers for on-line cleaning.

Skid Mounted Process Boilers



Capacity : 0.5 TPH to 30 TPH

Working Pressure : 10.5 Kg/cm² to 17.5 Kg/cm²

- Minimum spares required for installation.
- Minimum time period required for installation.
- Minimum foundation required.

BENEFITS:

- Low Boiler Cost.
- Minimizes Erection Cost.
- Less refractory cost.
- Saves erection time.
- Less foundation.
- Factory assembled - ready to use boiler.
- High combustion efficiency.
- Hot air for burning high moisture fuel.
- Unique 5-side water wall.
- High steam purity.
- HRU to feed hot water for quick response in load.



Waste Heat Recovery Boiler



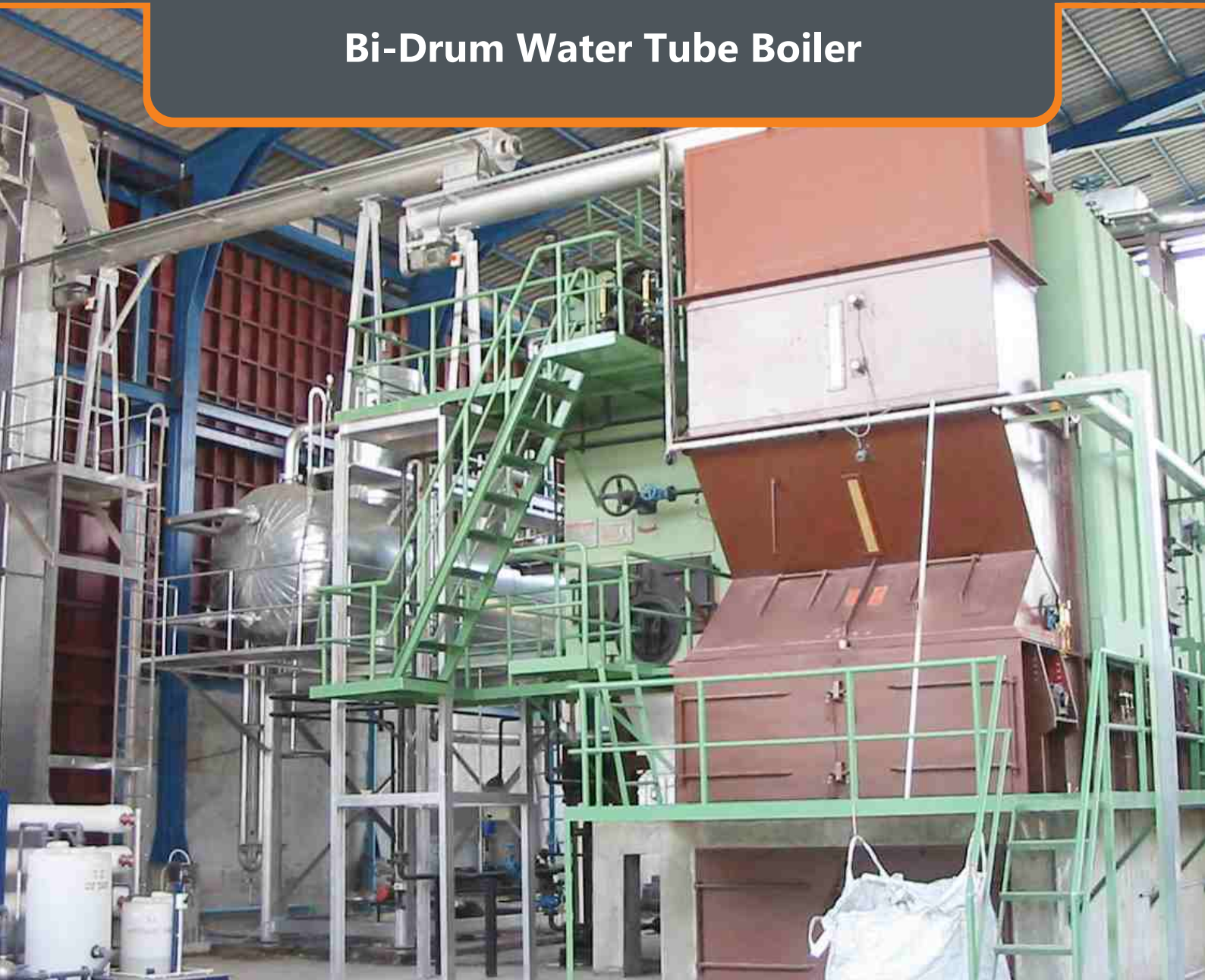
Technical Specification:

Industries	: Sponge Iron Plant / So ₂ Plant
Capacity	: 5 TPH to 15 TPH
Working Pressure.	: 45 kg/cm ² to 65 kg/cm ²
Temperature.	: 440 ^o c to 480 ^o C

Description:

The Waste Heat Boiler produces steam at required pressure and temperature. The boiler proposed is of Water-Tube type with fuel gases coming from the Iron Kiln flowing over the tubes while water and steam circulate within the tubes. The boiler consists of three fuel gas passes. It consists of radiation section, Screen section and Super-heater section in the first pass (duly divided into Primary super heater and Secondary Super-heater) at a temperature, a Convection section in these cond pass and another convection section and an Economizer section in the third pass.

Bi-Drum Water Tube Boiler



Technical Specification:

Industries	: All Process & Power Plant
Capacity	: 10 TPH to 100 TPH
Working Pressure	: 10.5 kg/cm ² to 87 Kg/cm ²
Temperature	: Saturated to 500°C

Description:

Unique design with ample water holding capacity, tall furnace for complete combustion of fuel particles within the furnace zone, High-Pressure Boiler with highly advanced technology that enables the most efficient combustion of fuel as well as making the boiler highly fuel flexible. High-Pressure Boilers have wide application in a range of industries like paper, textile, chemicals, distillers, rubber solvent, pharmaceuticals, food processing etc. High-Pressure Boilers operate with different types of furnaces like FBC, travelling grate, pulsating grate, dumping grate etc. High-Pressure Boilers furnaces also operate on multiple fuels such as coal, rice husk, bagasse, lignite, mustard straw; saw dust, wood chips, groundnut shell, cotton stock, palm fiber etc.

Gas / Oil Fired Steam Boiler



We make custom-made Gas Fired Boilers to suit the flame length and combustion parameters of various different burners like Weishapt, Reillo, Ecostar & Bentone along with our regular boilers



Gas Burners

- 1 to 15 TPH
- 10.5 y to 21 y



Gas Tracking

Manufacturing Capabilities

Studded In Bed Coils

We supply studded bed coils used in FBC furnaces. Studs are of MS/SS with various thicknesses & size. Studded bed coils increase the heat transfer & the life of Bed Coils,

Economizer Coils

Economizer coils are used to increase the feed water temperature & generally used in high pressure boilers

Super Heater Coils

Super Heater Coils are used in a boiler to convert saturated steam to Super-heated steam. We manufacture super heater coils in various grade of carbon & alloy steel.

Pollution control equipments | Treedy Venturi Scrubber | Bag House | ECG

Venturi Wet Scrubber for boiler with guaranteed emission level and less than CPCB norms, zero maintenance & performance like ESP, also modify existing SIEVE tray scrubber into venture type.

Draft Equipments (Fans)

Fans are used to propel or displace Air & Flue gas. We manufacture both FD& ID fans designed for medium & heavy duty application.



Studded Inbed Coils



Super Heater Coils

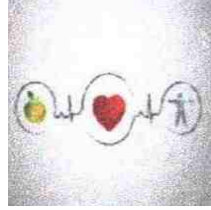


Pollution Control Equipments
Venturi Scrubber



Draft Equipments (Fans)

BOILERS, POWER PLANT, EPC PROJECT, RETROFIT & CAPACITY ENHANCEMENT



Environment, Health & Safety Policy

Pressure & Process Boilers Pvt. Ltd. (PP Boilers) is committed to be environment friendly and health conscious by following safety practices in compliance with applicable legal and other requirement.

In its endeavor to meet these objectives, PP Boilers affirms its commitment to created, maintain and spread a culture of continual improvement that involves all the employees in its office & sites across India & Globe so as to ensure safe & hard work conditions.

PP Boilers will impart appropriate training to ensure awareness on environmental & safety systems, procedures, best practices towards their protection of employees, customers, suppliers, contractors & other associates.

DATED: 23-01-2019



DIRECTOR

बॉयलर, बिजली संयंत्र, ईपीसी परियोजना, रेट्रोफिट और क्षमता वृद्धि

पर्यावरण, स्वास्थ्य और सुरक्षा नीति

प्रेसर एंड प्रोसेस बॉयलर्स प्रा. लिमिटेड (पीपी बॉयलर्स) लागू कानूनी और अन्य आवश्यकताओं के अनुपालन में सुरक्षा प्राथाओं का पालन करके पर्यावरण के अनुकूल और स्वास्थ्य के प्रति जागरूक होने के लिए प्रतिबद्ध है ।

इन उद्देश्यों को पूरा करने के अपने प्रयास में, पीपी बॉयलर्स निरंतर सुधार की संस्कृति को बनाने, बनाए रखने और फैलाने के लिए अपनी प्रतिबद्धता की पुष्टि करता है जिसमें भारत और ग्लोब में अपने कार्यालय और साइटों में सभी कर्मचारी शामिल होते हैं ताकि सुरक्षित और खतरा मुक्त की स्थिति सुनिश्चित हो सके ।

पीपी बॉयलर पर्यावरण और सुरक्षा प्रणालियों, प्रक्रियाओं, कर्मचारियों, ग्रहकों, आपूर्तिकर्ताओं, ठेकेदारों और अन्य सहयोगियों की सुरक्षा के लिए सर्वोत्तम प्रथाओं पर जागरूकता सुनिश्चित करने के लिए उचित प्रशिक्षण प्रदान करेगा ।

दिनांक 23.01.2019



निदेशक

Our Valuable Customers



Slop Fired Boiler for
One of Project in Distillery at Bijnore, UP.



CONTACT US

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