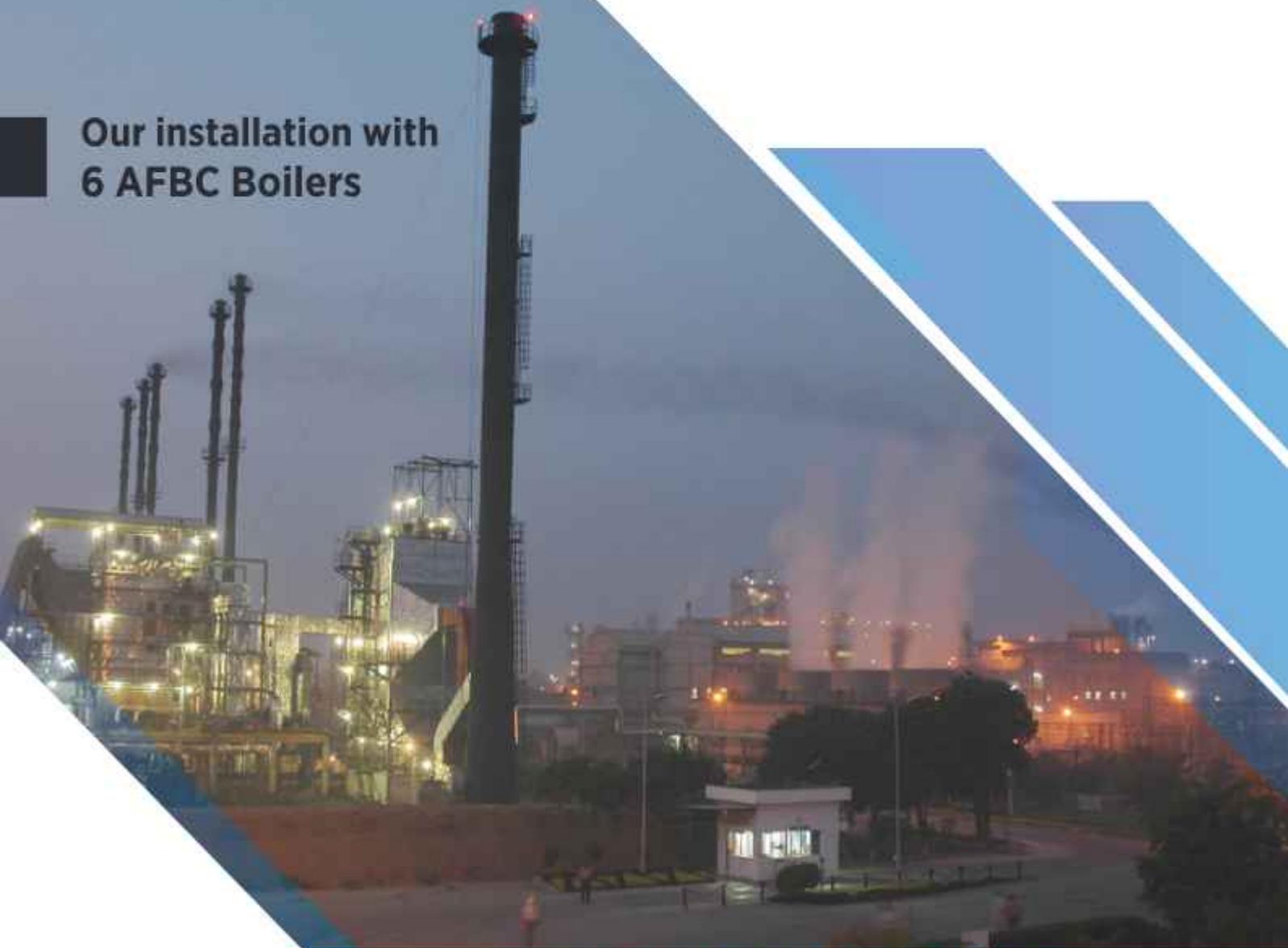




AFBC BOILER

**Atmospheric Fluidized Bed
Combustion Boiler**

**Our installation with
6 AFBC Boilers**



WWW.CHEEMABOILERS.COM

Nation's Most Trusted and Most Progressive Boiler Manufacturers



Designing, Manufacturing, Commissioning India's most reliable, efficient steam & power generation systems



Drum Manufacturing Bay



NDT/DT Lab



Hot Rolling



Electric Panel Manufacturing Bay



Water Wall Bay



Fan Shop



Panel Processing Machine



Boiler Control Room

Our vision

“ To be a preferred, value driven, global source of high performance boilers and related energy solutions. ”

Engineering Innovations

Custom made solutions

Over the edge services

Makes **CBL** a Success

Product Features

- ▶ Bi-drum / Single drum
- ▶ Suitable to generate saturated and super heated steam
- ▶ Suitable for cogeneration and captive power plants
- ▶ Underbed / Overbed Fuel Feeding / Bottom Hopper Design
- ▶ Low excess air requirement resulting in higher efficiency
- ▶ Secondary firing system is provided in furnace to ensure optimal combustion resulting in minimum un-burnt, reduced CO level in the flue gas and improved efficiency.

CBL AFBC Boilers offer the Most Effective Solutions for Process Heat and Power Generation

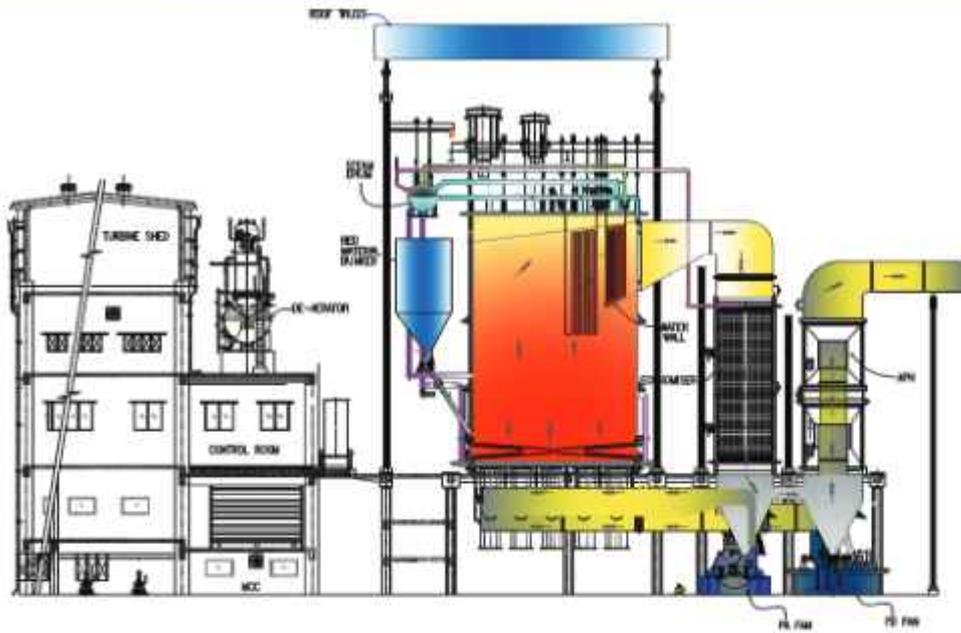
- ▶▶▶ **High Efficiency**
- ▶▶▶ **Fast Response to load fluctuations**
- ▶▶▶ **High reliability (Reduce maintenance cost)**
- ▶▶▶ **Flexibility on Versatile Fuels**
- ▶▶▶ **Maximum Fuel & Auxiliary Power saving**
- ▶▶▶ **Simple Operation & quick startup**

55TPH - 67kg/cm² - 500°C | 35TPH - 67kg/cm² - 500°C

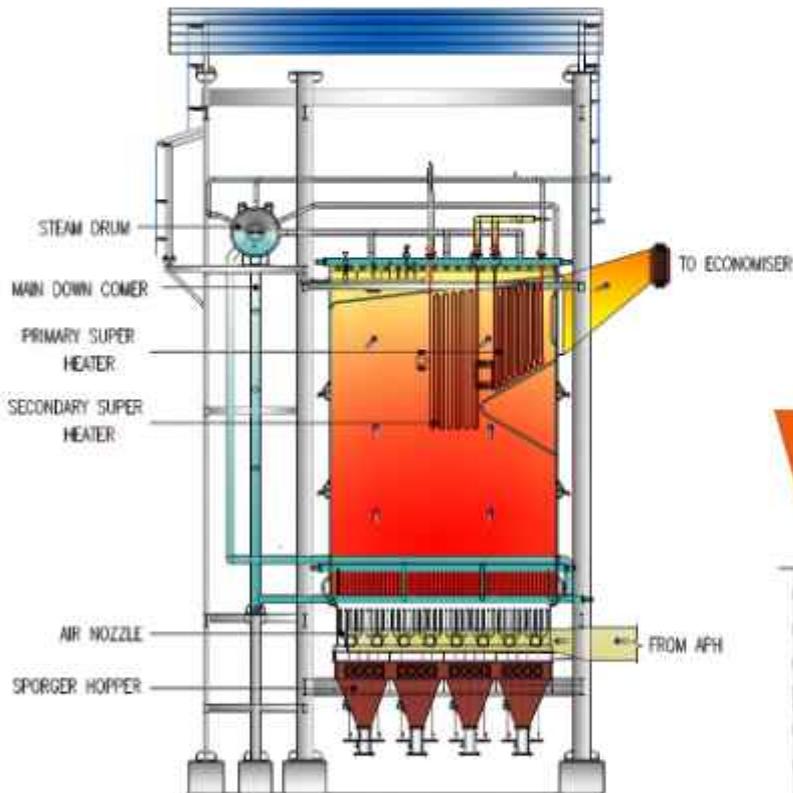
Gujarat Ambuja Exports Ltd., Chalisgaon, Maharashtra



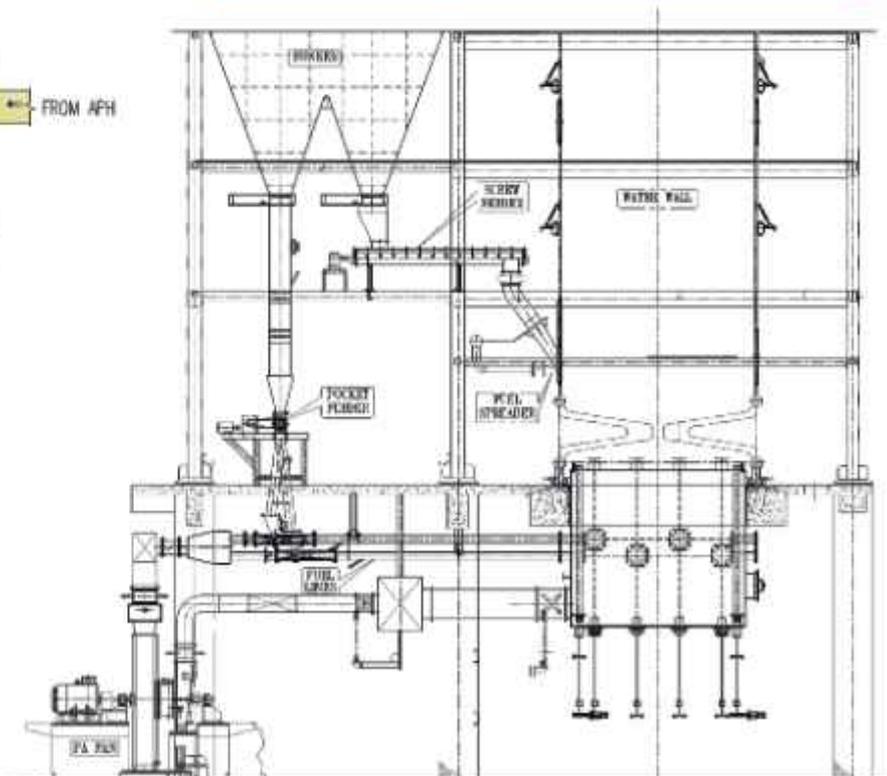
General Arrangement of Single-DRUM, AFBC Boiler



General Arrangement of Bottom Hopper AFBC Boiler

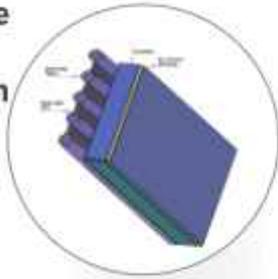


Overbed & Underbed Fuel Firing System

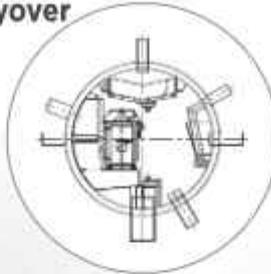


General Arrangement of BI-DRUM, AFBC Boiler

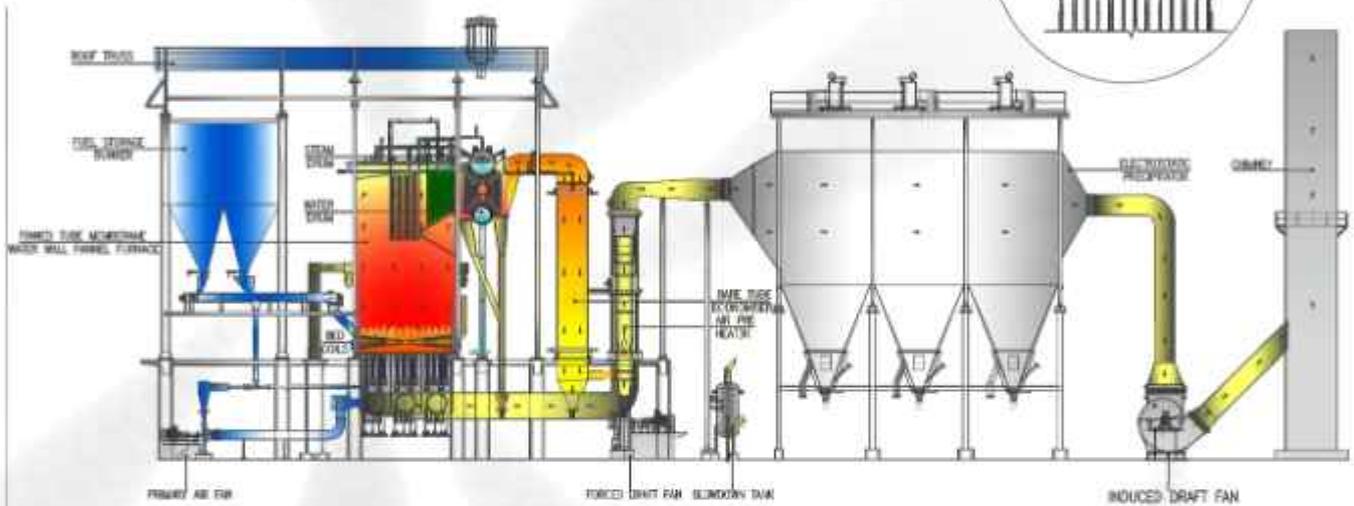
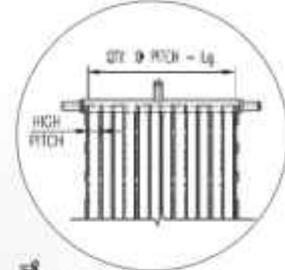
Water Wall Membrane Type for maximum heat absorption & structural rigidity



Four stage steam separation to ensure zero carryover



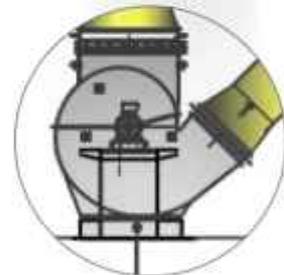
Optimum velocity and pitch in economizer for better life of tubes



Studded in-bed evaporator tubes are immersed in-bed to extract heat



Welded and factory assembled PA & Fuel nozzles



High efficient fans to ensure optimal power consumption & minimum noise level

We have a Worldwide presence with headquarters at Mohali-Chandigarh & regional offices at Delhi, Kolkata, Mumbai, Hyderabad, Ahmedabad & Chennai.



70 TPH - 88 Kg/cm² - 515 °C
SEL Manufacturing Co. Ltd., Machhiwara, Pb.



28 TPH - 69 Kg/cm² - 490 °C
AP Refinery Pvt. Ltd. Jagraon, Pb.



18 TPH - 24 Kg/cm²
Apollo Tyres, Kerala



40 TPH - 67 kg/cm² - 490 °C
Paswara Papers Ltd., Meerut, U.P.



50 TPH - 88 Kg/cm² - 520 °C
Jodhani Papers Ltd. Tumkur, Karnataka



55 TPH - 44 kg/cm²
Balaji Speciality Chemicals Pvt. Ltd., Solapur, Maharashtra



35 TPH - 67 Kg/cm² | 29 TPH - 67 Kg/cm²
BCL Industries & Infrastructure Ltd., Bathinda, Pb.



65 TPH, 67 kg/cm² - 485 °C
Radico Khaitan Ltd., Rampur, U.P

OTHER OFFERINGS

www.cheemaboilers.com

CPP/IPP

- ▶ Powerpac Boilers
 - Travelling Grate / Dumping Grate / Pulsating Grate / Reciprocating Grate / Water Cooled Vibrating Grate Boiler
- ▶ Waste Heat Recovery Boiler (WHRB)
- ▶ Slop / Vinsasse Fired Boiler

Process Industrial Boiler

- ▶ Hypac - AFBC
- ▶ Energypac- Grate Fired
- ▶ Energypac Plus
- ▶ Effypac – Manual / Auto Fired
- ▶ Oilpac / Gaspac

Thermic Fluid Heater

- ▶ AFBC / Grate / Oil & Gas

Retrofit & Spares

- ▶ Spares for Boilers
- ▶ Structures
- ▶ Centrifugal Fans
- ▶ Boilers Services
 - Annual Service Contract
 - Engineering and Operation audit of Boilers
 - O&M Services
 - RLA / Health audit of Boiler
- ▶ Pollution Control Equipment's
 - Electrostatic Precipitators (ESP)
 - Bag Filter
 - Cyclones
 - Wet Scrubber



Certifications and Accreditations

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018
- ISO 3834-2:2005
- EN1090-1:2009 + A1: 2011
- EN1090-2:2018
- ASME 'U', 'S' & 'H' Certificates

CBL quality standards are inspected and certified by prestigious global agencies like:



CHEEMA BOILERS LIMITED

HEAD OFFICE :

D188, Sector 74, Mohali, Punjab (India)-160071
Tel: +91-172-5090 487, 5055 666, Fax : +91-172-5090 486
Email : marketing@cheemaboilers.com

SALES & SERVICES OFFICE :

Delhi NCR | Ahmedabad | Mumbai
Kolkata | Hyderabad | Chennai

Follow us on:    



SERVICE SUPPORT - 24x7
Tel: +91-7777881225

WORKS :

Banmajra, Kurali, Distt. Ropar, Punjab (India)
Tel: +91-160-5005 800-02