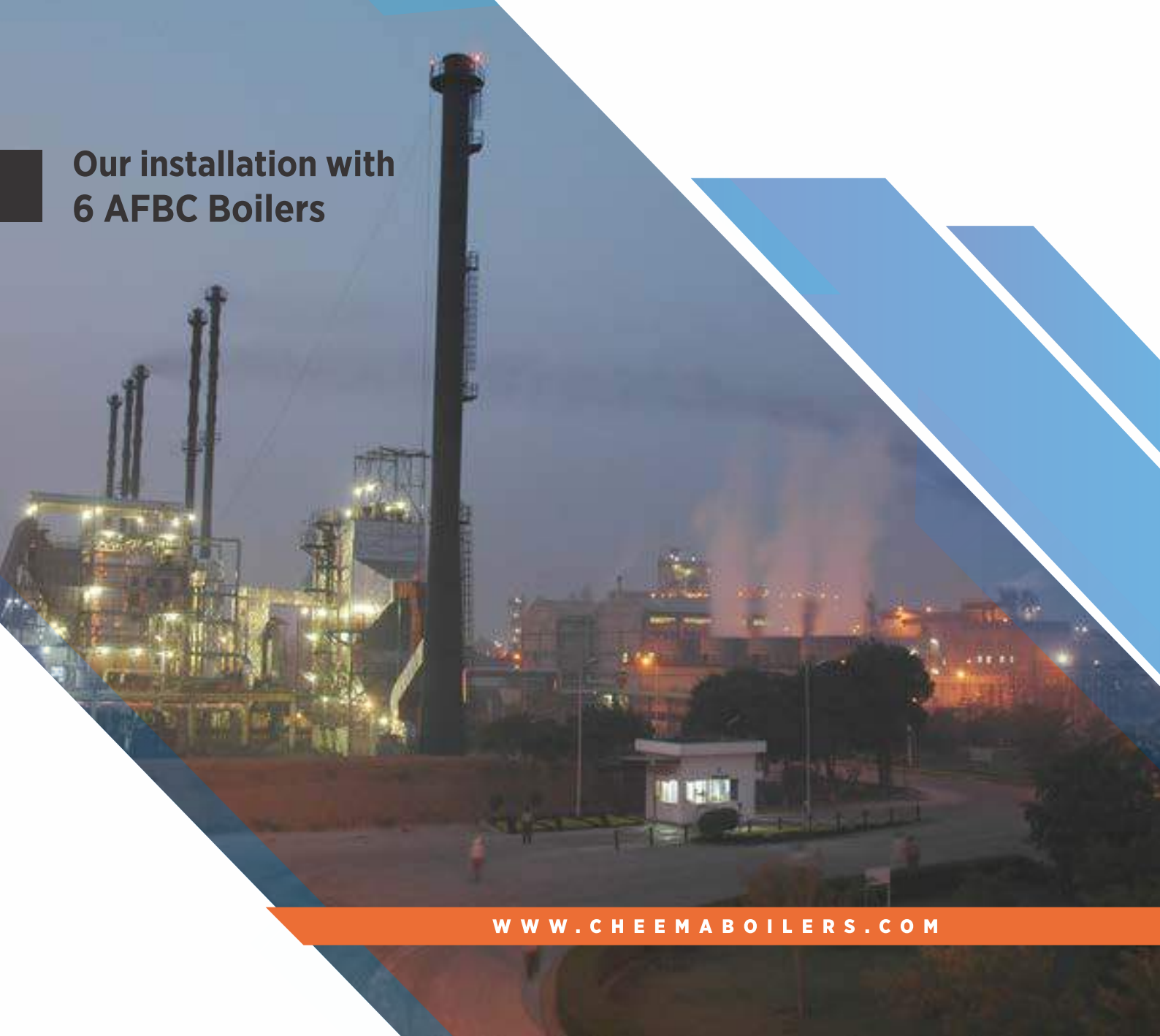




AFBC BOILER

**Atmospheric Fluidized Bed
Combustion Boiler**

**Our installation with
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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

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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

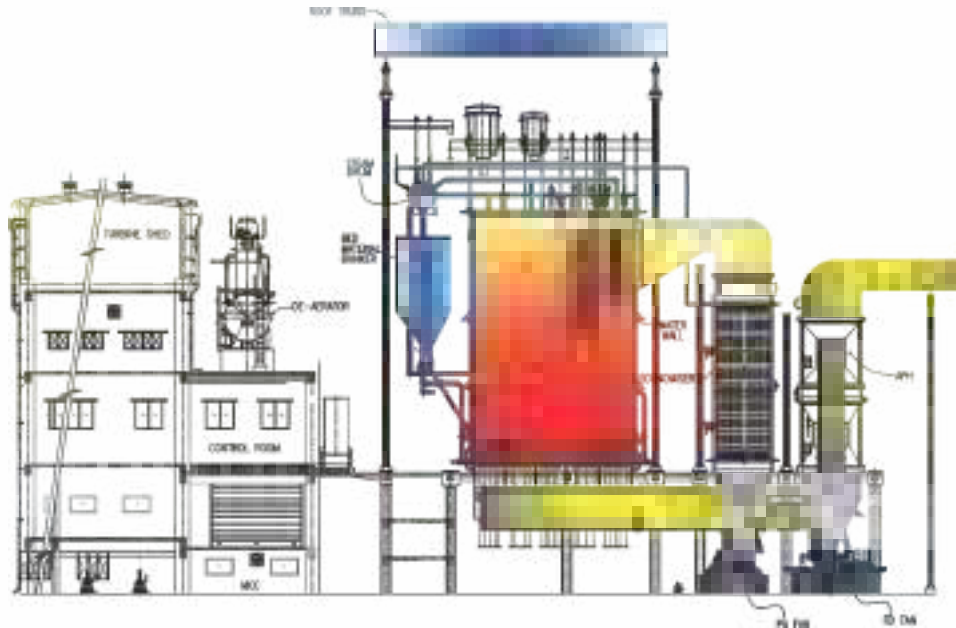
- ▶▶▶ **High Efficiency**
- ▶▶▶ **Fast Response to load fluctuations**
- ▶▶▶ **High reliability (Reduce maintenance cost)**
- ▶▶▶ **Flexibility on Versatile Fuels**
- ▶▶▶ **Maximum Fuel & Auxiliary Power saving**
- ▶▶▶ **Simple Operation & quick startup**



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

at Gujarat Ambuja Exports Ltd., Chalisgaon, Maharashtra

General Arrangement of Single-DRUM, AFBC Boiler



General Arrangement of Bottom Hopper AFBC Boiler

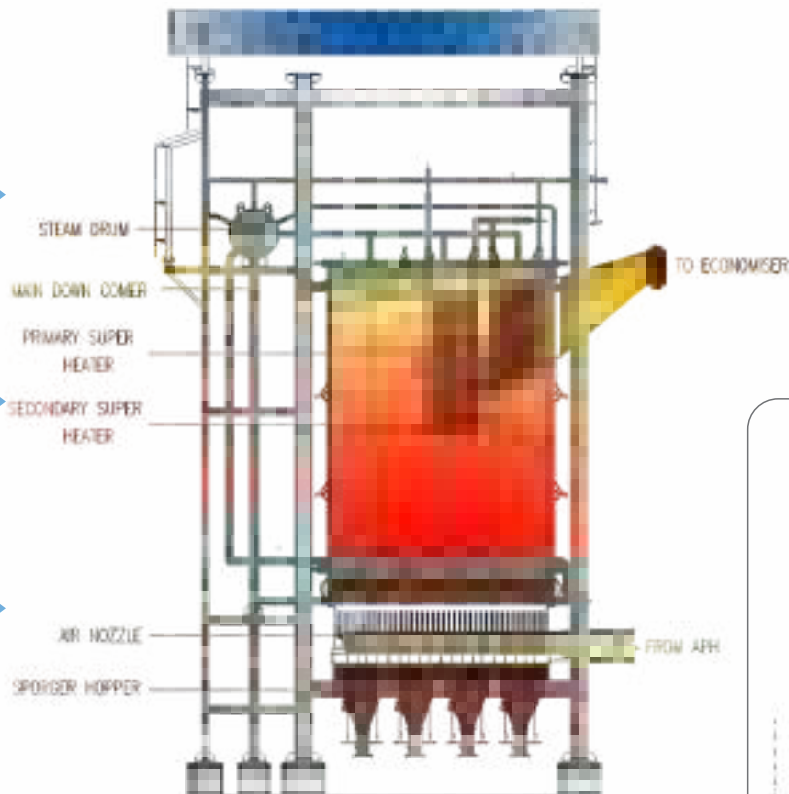
Need-based Operations

Superior Fuel Compatibility

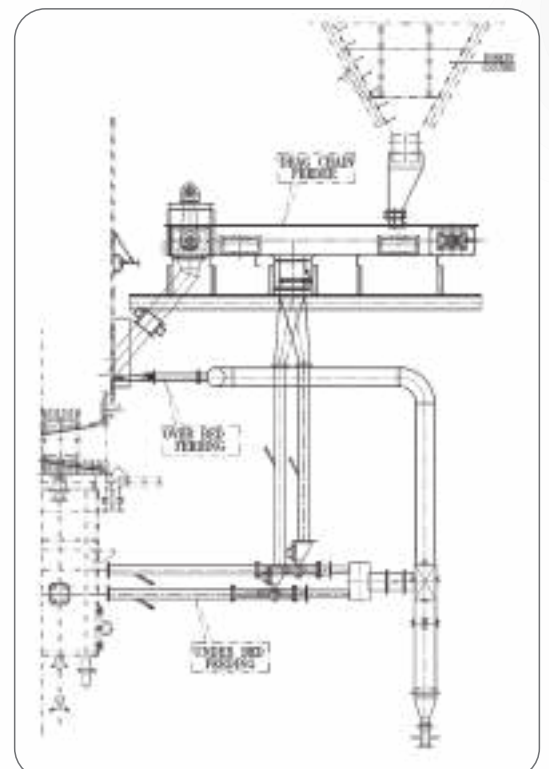
Customised Solutions

Customer Friendly Services

Quality Assurance



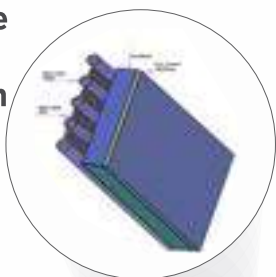
**Boost Your Productivity & Profitability
with The CBL Advantage**



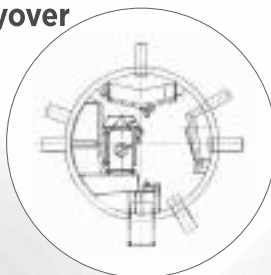
**Underbed cum over bed feeding
system for availability of Boiler
during heavy rain**

General Arrangement of BI-DRUM, AFBC Boiler

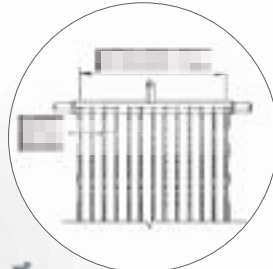
**Water Wall
Membrane Type
for maximum
heat absorption
& structural
rigidity**



**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.**



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



28 TPH - 69 Kg/Cm² - 490°C
AP Refinery Pvt. Ltd. Jagraon, Pb.



18TPH -24Kg/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 Limited
AFBC Boiler, Tumkur, Karnataka



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



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

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



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- ▶ Slop / Vinsasse Fired Boiler

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

Thermic Fluid Heater

- ▶ AFBC / Grate / Oil & Gas

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- ▶ 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

IBR



SGS



CHEEMA BOILERS LIMITED

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

HEAD OFFICE :

D188, Sector 74, Mohali, Punjab (India)-160071
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