



Thermax's CPRG boiler at Dabur's katni plant is used 24 hrs a day to make their renowned product Chyawanprash.

## PROJECT BACKGROUND

Dabur India Ltd. is one of India's leading FMCG Companies, building on a legacy of quality and experience of over 133 years, Dabur is today India's most trusted name and the world's largest Ayurvedic and Natural Health Care Company. Dabur India is also a world leader in Ayurveda with a portfolio of over 250 Herbal/Ayurvedic products. Dabur's FMCG portfolio today includes five flagship brands with distinct brand identities

Thermax's association with Dabur is for their two plants Sahibabad and Katni. At Sahibabad Plant, in 2013 Thermax has successfully commissioned a 5 TPH boiler that effectively uses wet herbal waste with 70% moisture which is a residue of their process making of various Herbal products. and continuing the trusted partnership Dabur gave the order for 8TPH for their Katni plant.

Dabur India Katni Plant was a manufacturing unit of Chyawanprash previously now it only produces initial raw material for Chyawanprash then this raw material is transferred to their Sahibabad unit for the final product.

## SOLUTION PROVIDED

CPRG 8TPH biomass boiler was proposed understanding the customer's steam consumption pattern in the process. This plant uses Mustard briquette as fuel that is used for preparing raw material for Chyawanprash. Steam gets utilized for boiling Amla and then it is mixed with ghee to produce initial raw material for Chyawanprash.

**Boiler  
Capacity  
8 TPH**

**Uptime  
21 days**

**Fuel  
Mustard  
Briquettes**

**Automated  
operation**



## BUSINESS PROPOSITION

A CPRG briquette-fired boiler of 8 TPH ensuring energy (steam) delivered at an optimum price leveraging high-end automated biomass boiler installation. Thermax has offered Lambion Reciprocating grate technology. Reciprocating Grate utilizes successive oscillation of grate linkage for the continuous movement of fuel; alternate movement of grate blocks pushes the fuel in the distinct combustion zones of a grate to ensure high steam to fuel ratio.



## POSITIVE IMPACT

- **Optimum Cost-Effective Steam Price**
- **Ensuring consistent quality at the right price**
- **Guaranteed Boiler Uptime**
- **Efficiency throughout the Product Lifecycle**



## THERMAX PROCESS HEATING SOLUTIONS

A strategic business unit offers packaged boilers, thermal oil heaters, waste heat recovery boilers, hot water, and air generators. These are available in modular construction as a standard package configuration or a custom design for specific requirements. Innovated by a strong R&D that focuses on customer applications, we offer a range of heating systems designed to combust a wide range of solid, oil & gas fuels including biomass and heavy liquid fuels.