



NSIC-CRISIL MSE 3

K. G. CORPORATION

306, Sarita, Jain Temple - St. Xavier's College Road, Off. C.G.Road, Navrangpura, Ahmedabad-380 009 (INDIA)
Tele: (079) 26441292, +91 9714050640 * E-mail: kgccorporation@yahoo.co.in *Web: www.trulyengineered.com

Sub. : Boiler Feed Water Treatment Chemicals and Process Chemicals

We are pleased to inform you that we offer Boiler Feed Water Treatment Chemicals and Process Chemicals as under:

Introduction of THERMIC – G

Sugar Mills Bagasse and coal as Fuel in Boilers for Generation of Steam Power, Sugar, Paper & Solvent Plant with Bagasse, and Coal Fired Boilers in Industry.

But due to high Moisture Content, Bagasse Fire Boilers are subjected to Incomplete Combustion Leading Tremendous Amount of Heat Loss Thereby Reduced Boiler Efficiency.

These Losses Can be Reduced by Using A, Combustion Catalyst (THERMIC – G) to enhance the Boiler Efficiency of Bagasse Fired Boilers.

About THERMIC – G

THERMIC – G, Formulation Comprising Various Catalysts, Specifically Designed to Improve the Boiler Efficiency and Coal Fired Boilers. THERMIC – G Developed by Alkali Chemicals.



Performance Evaluation Method

The following method may be Employed to Established the performance of **THERMIC – G** in the Bagasse and Coal Fired Boilers.

1. Measurement of Steam to Fuel Ratio.
2. Measurement of Heat Losses in the Boiler & converting them to equivalent Fuel Loss.



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3. Measurement of Oxygen %, Co₂ %, Co PPM, Fuel Gas Exit Temperature & Boiler Efficiency with the help of Gas Analyzer.

THERMIC – G Can be Used Following Boilers

Dumping Grate Boiler

Traveling Grate Boiler

Horse-Shoe Boiler

High Pressure Co-gen Boilers.

Benefits of THERMIC – G

The use of THERMIC – G in Bagasse and Coal Fired Boilers Results In.

- 1) Reduction of Clinker and scale deposit on Traveling Grate & Super Heater Zone.
- 2) Reduction in Bagasse and Coal Consumption by Minimum 3% Resulting in Increase in Steam to Fuel Ratio.
- 3) Steady Steam Temperature and Pressure, Thereby Improving Consistently Steam Generation.
- 4) Reduction of Stock Emissions.
- 5) Reduction in Unburnt Carbon in Ash.
- 6) Improvement in Boiler Efficiency & Performance.
- 7) By Utilizing THERMIC – G Boiler Cleaning Period Increase.

Our Specialty to Provide & Solution

- 1) Specialty Sugar Process Chemicals
- 2) Distillery & Ethanol Plants require yeast, Enzyme and Catalyst.
- 3) Boilers Chemicals, ETP and DM Plants.

Technical Manpower



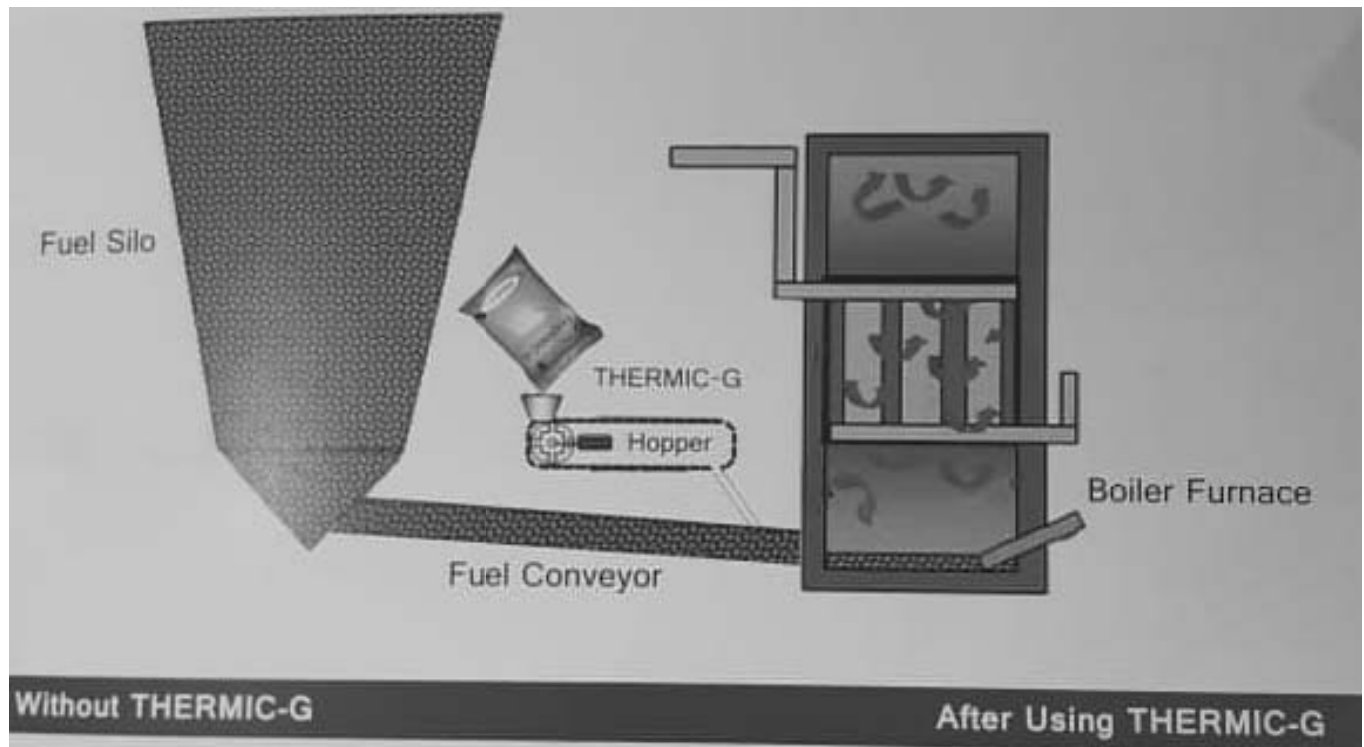
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We are dumping Technical Comprising of skilled of Qualified Manpower will provide the necessary services to establish the performance of **THERMIC-G**.

Method of Dosing



UNBRUNT IN ASH

Fly Ash is Black in Fly Colour Indicating Colour Presence of Unburnt Carbon



Ash is Gray in Indicating Presence of Unburnt Carbon

CLINKER

Hard & Heavy Clinker



Soft & Reduced Amount of Clinker



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List of Chemicals Manufacturer by Alkali Chemicals

(A) Process Chemicals

- 1. Antiscalent (Antised – 100)**
- 2. Mill Sanitation Chemicals-MS -50(Qu. Amm. Com/DithioCrab)**
- 3. Viscosity Reducer. (VRS-60)**
- 4. P.H. Booster for cooling tower treatment chemical.**
5. Phospozine Stub tut for Ortho Phosphoric Acid.
6. Alflock (Flocculent) Stub tut for Magnaflock.
7. Colour Precipitant, (Brightol)

(B) Boiler Feed Water Treatment Chemicals

- 1) **(BT-20)** – P. H. Booster
- 2) **(BT-21)** – Oxygen Scavenger.
- 3) **(BT-22)** – Slude Conditioner & Scale Softener.
- 4) **(Thermic-G)** – **Fire Side Soot Relies Compound.**

(C) Cleaning Chemical

- 1) Scale Softener. (Calex – Liquid/ Powder)
- 2) (HCL) Hydrochloric Acid
- 3) (Rodin) Acid Inhibitor

We solicit your specific enquiry on us.

Yours faithfully,
For **K.G.CORPORATION**

(Bhadresh Nagori)
+91- 9824250640

Pl furnish following details to submit proposal.

- 01. Plant Capacity**
- 02. Boiler capacity**
- 03. Boiler Pressure**
- 04. Fuel to be Used**