



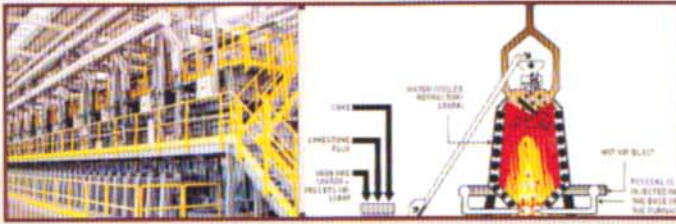
**SHRI-RUDRA GROUP**

# Burn-Smooth

An ISO 9001 : 2008 Certificate Company

# Petrochem

We manufacture eco-friendly energy-saving Fireside Chemicals for:



## Steel Plants

- 1) Lime Calcination Plant
- 2) Blast Furnace
- 3) Tundish Pre-heaters
- 4) Integrated Steel Plant

- 1) Pre-heating furnace (Oil fired or Coal fired)
- 2) Annealing Furnaces (Oil fired)

## Re-rolling Industry



## Oil / Coal Fired Boilers used in

- 1) Food Processing Industry
- 2) Pharma Industry
- 3) Chemical Industry
- 4) Paper Industry
- 5) Rubber Industry
- 6) Tanneries
- 7) Sugar Mill and others

IC Engines based equipments like :

- 1) Gensets
- 2) Buses
- 3) Trucks
- 4) Boats
- 5) Cars
- 6) Earth Movers
- 7) Rock Drill Equipments
- 8) Tractors and others

## IC Engines



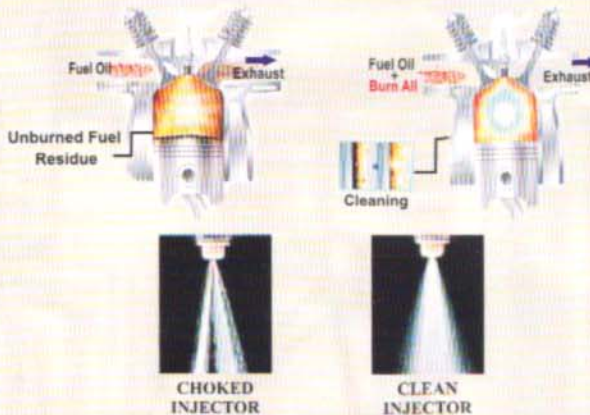
## Power Plants

Thermal Power Plants having various types of Boiler:

- 1) FBC
- 2) AFBC
- 3) STOKAR
- 4) Pulverised Coal and others

## Burn - All

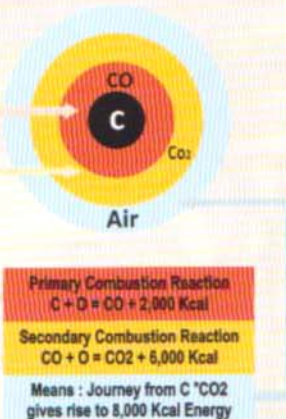
## Clean Engine More Power



Steady Flow of Fuel improve Smoothness & Pick up in Engine

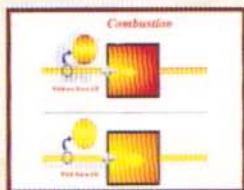
## Physical and Chemical Properties of multi-functional Fuel Additive Burn-All

Appearance	: Clear liquid
Colour	: Orange/Red
Odour	: Pungent odour
Boiling range	: > 150 ~ 300 °C
Freezing point	: (-) 18 °C
Flash Point	: 55 °C
Chemical Constituents	: % C : 73 ~ 76
	: % H <sub>2</sub> : 14 ~ 16
	: % S : 0.001
	: % O <sub>2</sub> : 12 ~ 14
Density	: 0.790 ~ 0.810
pH Value	: 7 ( ± 1.5)



## Burn - All

**Burn-All** is a multifunctional fuel additive for any Hydro Carbon fuel like Petrol, HSD, SKO, FO, HPS, etc. This has FIVE functional constituents : Lubricity Improvers, Dispersants, Surfactants, Solvents and Active Catalysts



➤ **Burn-All** can be used in any Hydrocarbon Fuel without any harm to the Storage tanks or pipelines as it has almost neutral pH value.

➤ Solvent action of **Burn-All** reacts with the sludge generated in the storage tanks and pulls out the solid soluble Carbon particles from the sludge. Thus, recovering almost 40 ~ 60% combustibles from sludge to fuel oil.

➤ In Pre-Combustion stage, the detergent action of the Fuel Additive reacts with the sticky sludge deposit in the entire system including pipeline, burners, etc., and cleans it, resulting in the reduction in operating oil pressure.

➤ Reduction in viscosity improves flame geometry - thus improving atomisation.

➤ Specially designed catalysts gets dissolved in any Hydrocarbon Fuel along with **Burn-All** when it is released in combustion chamber - during the second phase of combustion releasing nascent Oxygen and converting CO into CO<sub>2</sub>.

### Major Benefits of Burn-All

- Reduction in Burner choke up
- Improves Pick up
- Reduction in Fuel consumption
- Reduction in scaling losses
- Reduces carbon deposits in Engine
- Reduction in Pollution
- Increase in Burner / Equipment life
- Improves Milage



### Standard Fuel Combustion



### Standard Fuel Combustion + Burn All

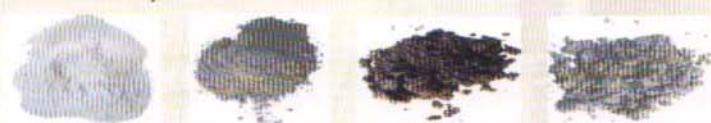


## Burn - Fast

This is a thermoactive combustion booster for solid fuels like Coal, Pet-Coke, Bagass, Wood, Ricehusk, etc.

### How Burn-Fast Works ?

**Burn-Fast** instantly gets activated at 350°C and upwards - to drive a chain of rapid reactions to produce highly combustible HYDROGEN & METHANE gases, wherein the product of each reaction drives further reactions to extract combustible products from Coal till 'COMPLETE COMBUSTION' of each Coal particle is achieved. Specially designed catalysts in the additive detonates microscopic explosions that, break the fuel into even smaller size. This increases the exposure of the fuel to air and the fuel is thus burnt with reduced formation of soot and smoke. After a period of running - it is observed that, less excess air is required in the combustion process.



### Major Benefits of Burn-Fast

- Reduction in SFC (Specific Fuel Consumption)
- Reduction in 'CO' and excess Air which can be seen in Flue Gas Analysis
- Reduction in Clinker Formation, Soot Formation and Stack Temperature
- Reduction of un-burnt Carbon in Bottom Ash and Fly Ash
- Reduction in the Electrical Consumption of ID/FD Fan



**B.S.P. AGROTECH** unit manufactures Bio-Mass Briquettes from any type of agro-wastes. After seeds are taken out, RICE HUSK, STRAWS, COTTON PLANTS, OIL-SEED PLANTS, RESIDUAL MATTERS, etc., Are briquetted. This unit is located in Wardha District in Central India, and converts total agro-waste into WHITE COAL, for POLLUTION - FREE industrial and domestic use. By & large, bio-mass is having 15 ~ 20% Fixed Carbon and 60%+ Volatile Matter, which



helps in faster combustion. It is observed that, combination of Coal + Bio-Mass Briquettes gives better combustion values, i.e. coal burns faster & un-burnt Carbon in the bottom ash is reduced. Thus,

giving full combustion effect - without increase in CO (i.e. pollution). Needless to mention, you are entitled for **CARBON CREDIT**.

Dealers Enquiry Solicited

Energy Conservation  
your need our Motto



## Burn-Smooth

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