



**RAKIRO**

*Create...Innovate...Deliver!*

**Rakiro Biotech Systems Private Limited**  
**[www.rakiro.net](http://www.rakiro.net)**

# About Us

Rakiro provides solutions for testing, measurement and water treatment for the process Industry. In past few years we have made a mark in the field of testing and have a strong presence in India as well as other parts of the world with a wide network of dealers & distributors. Also with a vast experience in the field of water treatment our chemical division specializes in chemical formulations required in the smooth running of various processes and helps improve the efficiency of production. We are truly invested in understanding our clients' needs and working with them to deliver high quality solutions, with continuously reviewing and improving our way of working. All our products are evaluated and approved by major institutes and authorities in India.

## Our Infrastructure

Our pragmatic workforce & state of the art manufacturing facility produces a wide range of Instruments & Field Test Kits for both microbiological & chemical analytical parameters. Our ERP system based operations help us to make majority of the product range available of the shelf. This helps all our clients in enhancing the pace of onsite Testing or Treatment & thus efficiently monitor a running process. We understand the importance of systems and processes for smooth functioning and thus we follow system driven operations. We have acquired ISO 9001:2015 certification for our Quality Management System (QMS).



Automized Production

Instrument Assembly



Quality Control

R&D Laboratory



## Our Team

For us leadership is not about glorious crowning acts. It's about keeping your team focused on a goal and motivated to do their best to achieve it.





## FIRESIDE ADDITIVES

The primary aim of combustion is to obtain maximum amount of energy from each unit of fuel. But impurities in fuels and operational problems are limitations to achieve maximum output from burned fuel. The impurities in fuel can lead to formation of slag in furnace, clinkers on the fuel bed and the presence of sulphur can lead to the cold end corrosion. It is possible to improve the combustion of fuel and reduce unburnt carbon in the ash. Our fireside additive plays an important role in complete combustion of fuel along with a control on corrosion deposits, slagging clinker formation, reduction in air borne pollution emission as well as inhibition of fouling.



### SOLID FUEL ADDITIVE

Our Multipurpose Solid Fuel Additive is a free flowing powder treatment designed primarily for treating coal, wood, bagasse, biomass and other solid fuels. It acts as combustion catalyst and thereby loss due to unburnt fuel gets minimized resulting in improved combustion efficiency. It has an anti-fouling agent that helps to keep heat transfer surfaces clean and thus improves the steam generation for same heat transfer area. It softens the hard clinker and reduces the tendency of hard clinker formation, thus helps in reducing the maintenance & provide ease in cleaning and increase the boiler availability for long term operation. It promotes smoke free combustion at lower excess air levels, resulting in improved fuel economy.

Sr	Product Code	Product Description	Standard Packing
1	AGN6100	Coal Fuel Additive	25 Kg (50 Pouches of 500g each)
2	AGN6200	Bagasse Fuel Additive	25 Kg (50 Pouches of 500g each)
3	AGN6300	Wood Fuel Additive	25 Kg (50 Pouches of 500g each)
4	AGN6400	Biomass Fuel Additive	25 Kg (50 Pouches of 500g each)

### FURNACE POST TREATMENT COMPOUND

Our Furnace Post Treatment compound is a perfect blend of combustion aid chemicals in the form of tube canister for fire side cleaning of furnace. It also comprises of combustion catalyst, oxidizing chemicals, dispersants and corrosion inhibitors. When it enters the furnace it vaporizes to form a thin film on the furnace wall to complete the combustion of unburnt carbon and remove all the deposits from the heat transfer surface. It is available in small packets to simplify the dosing process for a boiler. The cleaning of furnace wall improves the heat transfer and boiler efficiency with minimum breakdown.

Sr	Product Code	Product Description	Standard Packing
1	AGN6000	Furnace Cleaning Chemical	25 Kg (50 Pouches of 500g each)

## ADVANTAGES OF USING FIRESIDE ADDITIVES

### Combustion Process without Additives

Incomplete Combustion of fuel

Slag & Clinker Formation

Corrosion of surface & Cold Corrosion

Acid Smut Formation

Unburned Carbon in Ash

Increase Fuel Consumption

Decrease in Furnace Efficiency

### Combustion Process with Additives

Complete Combustion of Fuel

Reduced Slag & Clinker Formation

Minimizes Corrosion & Cold Corrosion

Reduces Acid Smut Formation

Decrease in Unburned Carbon in Ash

Reduces Fuel Consumption

Increase in Furnace Efficiency

Decreases Particulate Matter from Stack

# Our Clients



# Our Network



## RAKIRO

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