

ENVIRO INTERNATIONAL CORPORATION

The Complete Solution for Air Pollution Control System and Ventilation System

Enviro International is a project based company with a prime interest in Air pollution Equipment, Dust Suppression System and Ventilation Systems. Enviro International Corporation is promoted to provide one shop solution for Air Pollution, Dust Suppression and Air Ventilation System.

Company profile

Our philosophy is to treat our business partners with respect and integrity, honoring commitments and taking the long term perspective and obtain the long-term commitment from our employees to produce quality and profit through the Partners in Profit program. The company is committed to produce quality products to ensure customer satisfaction. Our vision is :-

*To ensure Customer Satisfaction
Constant Innovation*

To help the client in choosing better product.

International Market Development

To diversify into material handling and other environmental friendly projects

Enviro products are based on the latest international standard method of design and quality. Company continuously innovates its designing and quality capability to meet the client requirement. It believes in assisting your company by providing committed, competent and dedicated professional services to your projects and your requirement of air pollution control equipment.

EIC products are designed, manufactured, and sold according to our customers' applications. As a result, we have a large range of custom-engineered products that can be modified to meet new applications. With a sound understanding of pollution control equipment and filtration devices, EIC engineers design complete systems, including mechanical interfaces and the complete equipment, after which EIC often works with customers to research and test products, acting as a product development for specific applications

Enviro Intl has a team of experienced and highly skilled engineers, who has expertise in carry out international design standard norms to meet the specific requirement. A group of highly skilled engineers consistently enhances the product in accordance with international practices of the industry in consultation with foreign consultants.



DUST SUPPRESSION SYSTEM

We offer Dust Suppression system for Stock Yard, Belt Conveyor line for power plant & other industries, Wagon Tippler , Belt transfer points, Reclaimer Hopper, Screen, crusher,

We offer

Plain Water system,

Dry Fog System,

Stock yard Sprinkling System etc

We are executing 2x600 MW project DS System along with its tunnel ventilation system for CHP Plant and also at the moment working at design and drawing stages for DS system and ventilation system for NTPC Plant CHP lineage project..

Dry Fog System,

Dry Fog Dust control Systems have been in operation worldwide. It make dual fluid (air and water) atomizing nozzles control virtually all breathable and fugitive dust **THEORY AND APPLICATION ::**

The "Dry Fog" Dust Control System works on the principle of agglomeration. The Dust particles released from a Material Handling/Processing Plant which become air borne are made to pass through a blanket of extremely fine Fog. The dust particles and the Micronics size Fog droplets collide and adhere to each other, thus increasing their mass. After a series of such collisions, even the breathable and fugitive dust ranging from 1 to 800 microns mass agglomerates to become heavier enough to settle. The lower capital, operating and maintenance cost compared to De-dusting Bag House System made it popular in the industries. Easy installation in existing plants. In most cases, the system can be installed while the plant operates at full capacity. No major plant modifications are required for installation of the system. Water addition to the process is as low as 0.1% of the weight of the material being handled. No requirement of Chemical.

Operation of Plain Water Dust Suppression System

The dust suppression system in the coal handling plant is a wet dust suppression system. Wetting Agents are chemicals that are added to water to improve the rate at which spray droplets wet dust particles.

This system consists of three main parts.

Water Pump, Water Tank, etc

Spray headers with pipe lines & pumping system.

Control units with electrical systems.

Spray header with pipe lines pumping system includes solution pumps, isolating valves, spray nozzles, and pipe lines. The solution pumps are used to supply pressurized water to spray headers. The required quantities of nozzles are used to spray water.

CONTROL UNITS WITH ELECTRICAL SYSTEMS consists of sensing units, control panels. Coal flow is sense by sensor. The control panels are consisting of various relays and transformer.

Operation of DS System

Auto control or manual control governs the system. It has to be insured that main tank is filled with water. The water is pumped by feed water pump from main tank to feed water tank. the system in recalculation. The sensing system for controlling spray at proper header ensures spraying solution if conveyor is running with coal. And will not allow spraying solution if conveyors are running empty, the solenoid valve headers are energized if conveyor is running with coal. If all or some of the solenoid valves are not energized the system will realize pressure through pressure relief valve, which protects the system. A solenoid valve is provided with bypass line, which operates when none of the spray header solenoid valves are operative.

We wish to inform you that our project is being designed be team of members of ex-Andred Yule, /Fl Smith or person form consultant back ground like MN Dastur etc, they are India top most designer of the DS System, therefore specs has been selected are of very high standards and more technically correct solution for these system. We offer world class design with a guarantee of the system without compromising on quality and the design capacity of the system's nozzles, pumps etc, which can be matched by 1-2 companies in India only.

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Product range

Air Pollution Control Equipment

Capacity range 1000m³/hr to 4,00,000 m³/hr

Pulse Jet Bag Filter, Dust Collector

Reverse Air Bag Filter

Cyclone / Cyclonic Bag Filter

Dust Extraction System,

Ventilation and Cooling Systems

Dry Ventilation System, cap. upto 3,00,000 m³/hr

Wet Cooling and Ventilation System

Humidification and pressurization System

Air Washers,

Dust Suppression System

Pneumatic Conveying System

Pneumatic Conveying System is a widely used for transporting dry bulk material either by Vacuum or by Pressure of Air. Depending on the material to be conveyed, system is designed to will carry the material to the final destination with the air stream.

Electrostatic Precipitator, Flue Gas Desulphurization System, Air Recuperator, FD Cooler,

- Flue Gas Desulphurization System, Electrostatic Precipitators and a few advance technology in Pollution Control System is offered in association with Overseas technology and assistance



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