

ENVIRO INTERNATIONAL CORPORATION

AIR POLLUTION CONTROL EQUIPMENT, VENTILATION SYSTEM AND DUST
SUPPRESSION SYSTEM, PNEUMATIC CONVEYING SYSTEMS



Enviro International is a project based company with a prime interest in Air pollution Control Equipment, Dust Suppression System, Belt Conveyors and Material Handling systems, Pneumatic Conveying System, Ventilation Systems. Enviro International Corporation is promoted to provide one shop solution for Air Pollution and Air Ventilation System and Material Handling Systems. The use of these equipment is increasingly being extended to dedusting and conveying of material preparation plants in the various industry.

AIR POLLUTION CONTROL EQUIPMENT AND VENTILATION SYSTEMS

Pulse Jet Bag Filter

We supply bag filter (dust collectors) on various application like Crusher and Screen house, bunker house, coal handling plant in Thermal Power Plant, cement plants, Induction furnaces, banburry Mixture, various Furnaces, sponge iron plants, Rice mill, etc. We have so many installation of bag filters and few of them has range from 60000 to 1,00,000m³/hr cap. We have more than 100 bag filter installation power plants. We also take DE system including its ductings on turnkey basis. For operation of bag filters, suction hoods shall be connected to suction take off points. These suction take off points shall be connected to the main ducting by branch ducting and the other end of main ducting shall culminate into bag filters. The outlet of bag filter to inlet duct of blower and the same will exhaust clean air to atmosphere vide a stack.

Dust Suppression System

Plain Water System, Dry Fog System Sprinkling System Fog Canon

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, etc

We offer Plain Water system and the Dry Fog System also. Stock yard Sprinkling System etc - Sprinkling System is used for Sock Yard Area or Raw Material Storage Area.

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. The "Dry Fog" Dust Control System works on the principle of agglomeration. The Dust particles released from a Material

Handling/Processing Plant etc 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. 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

Stock / Road yard Sprinkling system

Sprinkling system is used for dust suppression of stockpile. Water is sprayed on the stockpiles to keep the coal damped and prevent dust to flying around. Sprinklers Irrigation systems is used to control dust on outdoor stockpiles, but when the stockpiles are excavated, dust will arise as the drier material in the pile is exposed and moved around. An sprinkler system uses a lot more water than a fogging system – almost 10 times, sprinkling system is chosen after a lot of considerable planning and forethought. One Sprinkler can move around its axis and can throw the water even up to 20-50 m away.

Fog Canon/Anti Smog Gun

Fog canon is widely used in India and overseas for suppression of flying dust on various application, It is a rugged and very efficient system. Unlike other types of dust suppression, its efficiency is very high. In some of applications only and only Fog canon is very successful, particularly when it is an open area. Fog canon is normally mounted on a trolley and it can be moved from one location to other location as it is on wheels. It is namely used for suppression of the flying dust very efficiently from a distance and also covers a very wide area. It throws the mist at a distance of 30m, 50m, 70m, 100m. It is widely used in irrigation and industrial purpose.

VENTILATION AND COOLING SYSTEMS

We are leading manufacturer of various types of ventilation system. We have executed a no Ventilation Systems projects in power plants etc and these have already been running successfully. Ventilation system has been supplied to APSEB, RSEB, Prakash Industries Ltd, Usha Martin etc and few more plants Thermal Power Plant Projects of up to 660 MW.

Air Washers,

We are leading manufacturer and exporter of Air washers. The products which come under this category are Evaporative Air Cooling-Single Skin and Evaporative Air Cooling-Double Skin. We offer superior quality, Industrial Air Washer Unit that work on the principle of cooling the air by passing it over water-saturated pads, water evaporates and results in cooling of air. The cool air is then directed into the ventilated area. Air Washer System with cellulose paper pads, specially treated fluid media capable of absorbing and retaining water to provide the maximum cooling efficiencies.

Air Washer are available from 2000 m³/hr to 3,00,000 m³/hr capacity and can be supplied for various applications namely, MCC rooms, ventilation for works, tunnel ventilation, ventilation for basement, crusher house, exhaust fan system, ventilation system for complete thermal power station Etc.

Roof Extractors, Turbo Ventilators And Axial Fan, etc.

PNEUMATIC CONVEYING/ ASH HANDLIN SYSTEMS

Dense Phase Conveying System

The Dense Phase Conveying System is the most advanced, efficient and most reliable system to convey material with wide range of capacities of dry bulk solids up to 200 TPH, with terminal distances exceeding - 1,200 meters. Dense Phase System is used to push and convey the highly dense concentration of bulk solids materials effectively

Lean Phase system

Lean Phase system works on low air pressure, herein material is conveyed in suspension in the flowing air. To keep the material in suspension in the pipeline it is necessary to maintain a minimum value of conveying line inlet air velocity.

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