

# .HMC. RAINGUN SPRINKLERS PLAIN WATER DUST SUPPRESSION SYSTEM

## .hmc- Raingun Sprinkler dust suppression

Roadway & Stock Pile Dust Suppression for overburden haulage roadway & Coal stockyards has become a necessity in mining/power project across the world.

### **SPRINKLER DUST SUPPRESSION**

Sprinkler dust suppression system is actually spraying water pumped through a long pipe work giving an effect of natural rainfall required in a particular area with the help of Sprinklers / RAINGUNS available in various discharge capacity & throw angles.



The Sprinklers are swivelling type (Part/Full Circle) with the provision of change in the swivelling angle & height, as well as spray nozzle angle. (various model available) The sprinklers break up the water into small droplets simulating natural rainfall. Normal water nozzles, however, do not produce the even droplet spectrum, and above all, not the necessary fineness. MOC of sprinkler shall be Aluminum alloy die cast with SS-304 nozzle.

### **AUTOMATION**

Each Sprinkler is control by a flow activation system having the facility to operate the sprinkler in a pre- determined duration. The water sprayed on the stock-pile will wet the material and prevent lift-off of dust due to wind etc. The systems is designed to work in an alternative time period, ensuring no wastage of water and at the same time maintaining proper water distribution for damping the road soil to such a level that no DUST is generated while movement of heavy vehicle & respectively damping the top layer of coal stock from blowing coal. No Contamination, No Clean-up Zero Maintenance Requirements .

### **AUTOMATION (WITH CABLE / WIRELESS)**

.hmc provide optional Automation for sprinklers with cable & wireless.

Raingun are free from Ball Bearing, Gear or Cam and free from periodic maintenance requirements such as oiling, greasing, alignment and / or replacements. Raingun must have a radius range of 5 to 54 meters and with various flow range as per the requirement with required operating pressure respectively.

Raingun sprinkler has slow reverse action for vibration free operation. Adjustment to set in part circle / full circle operation and also pre-set slow, medium and fast speeds options to set according to the specific site conditions environmental and climatic requirements.



## .HMC Equipments Private Limited.

(AN ISO 9001:2015 CERTIFIED)

CONTROLLING ENVIRONMENT

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