



दिल्ली सरकार

कार्यालय प्रमुख अभियंता, लो०नि०वि०,

12वां तल, बहु-मंजिला भवन, इंद्रप्रस्थ संपदा, नई दिल्ली: 110002

☎ 23490260, 23724560, 23311293 फैक्स 23319021

Toll Free Complaint No. 1800 11 0093

वेबसाइट: <http://pwd.delhigovt.nic.in>

ई-मेल: pwdhqdelhi@gmail.com / dppwdhqdelhi@gmail.com



सं०: प्रमुख अभि./निदेशक/लोनिवि /2019/ 5485

दिनांक: 12.11.2019

ADVISORY

Sub: Use of dust Suppressants with water sprinkling to control road dust.

Since past few days, Delhi & NCR are witnessing poor air quality and at many places Air Quality Index has been reported as "severe". PWD Delhi is trying its best within its jurisdiction by taking various steps such as complete stop on construction activities at its sites, regular sprinkling of water on roads/ footpaths and its construction sites etc. Instructions have also been issued to dispose of the construction wastes in a proper manner.

Among various dust control measures, use of dust Suppressants in water can be more effective than plain water sprinkling as it shows more efficiency to reduced particulate matter emission. Also, it lowers the water requirement for sprinkling as the Hygroscopic Liquid Compounds with Bio additives helps to reduce dust for five to six hours as compared to plain water which lasts for 15 to 30 minutes.

It is, therefore, emphasized that the water sprinkling using dust suppressants should be carried out at appropriate time before the AQI attains its peak around 9 AM and 6 PM. Necessary literature in this regard is enclosed.

This issues with the approval of Engineer-in-Chief, PWD.

Encl: As above

Director (Works)

To

1. Pr. Secretary, PWD, GNCTD, 5th Floor, B-Wing, Delhi Secretariat, New Delhi.
2. Pr. Chief Engineer (Maintenance & Flyover), PWD, New Delhi.
3. All Chief Engineer under PWD, New Delhi..
4. Director (Hort.), PWD, New Delhi.
5. Director (Monitoring), O/o E-in-C, PWD, New Delhi.
6. PS to E-in-C, PWD, New Delhi.

EPRI's Dust Suppressant Efficiency (Finding of CPCB Study)

Water can be considered as one of the ancient dust palliative, as it is readily available to apply by spraying over the surface of road. Water is used apply moisture to the surface area, but the capacity of dust suppression is less due to evaporation.

EPRI's Dust Suppressant (hygroscopic liquid compound with bio-additives) helps to reduce dust for 5-6 hours, as compared to water which last for 15 - 30 minutes. EPRI's Dust suppressant spraying shows more efficiency to reduced particulate matter emission as compared to water spraying.

The cost of EPRI's Dust Suppressant is less i.e. 10 – 15 paisa per m² with no maintenance and does not require any train person and suitable for surface area and air, wide roads (Industrial areas, construction etc.)

The cost comparison of water and EPRI's dust suppressant the cost of suppressant is effective as it gives more efficiency and durability with minimal cost as compared to water/ recycled water.

Application Rate: 2 litre per m²

Process to apply:

- Mix the dust suppressant (which is already coupled with bio-additive) in water (recycled or fresh water or tanker water can be used)
- 30% dust suppressant solution must be sprayed at 2 litre per m² area
- Spraying can be done using sprinklers, tankers retrofitted with sprinkler
- It can be used as fogging too
- Carry out application depending on the level of pollutants
- Mostly last for 6 – 8 hours (as per results obtained from CPCB study)
- Cost of dust suppressant chemical with added bio-additive is 10 – 15 paisa per m²

⌘ USE NO HOOKS ⌘
MAGNESIUM CHLORIDE

HEXAHYDRATE FLAKES

NET WT. :- 50 KGS.

MADE IN INDIA

Enviro Policy Research India Pvt. Ltd

Dust Suppressant to Control Dust

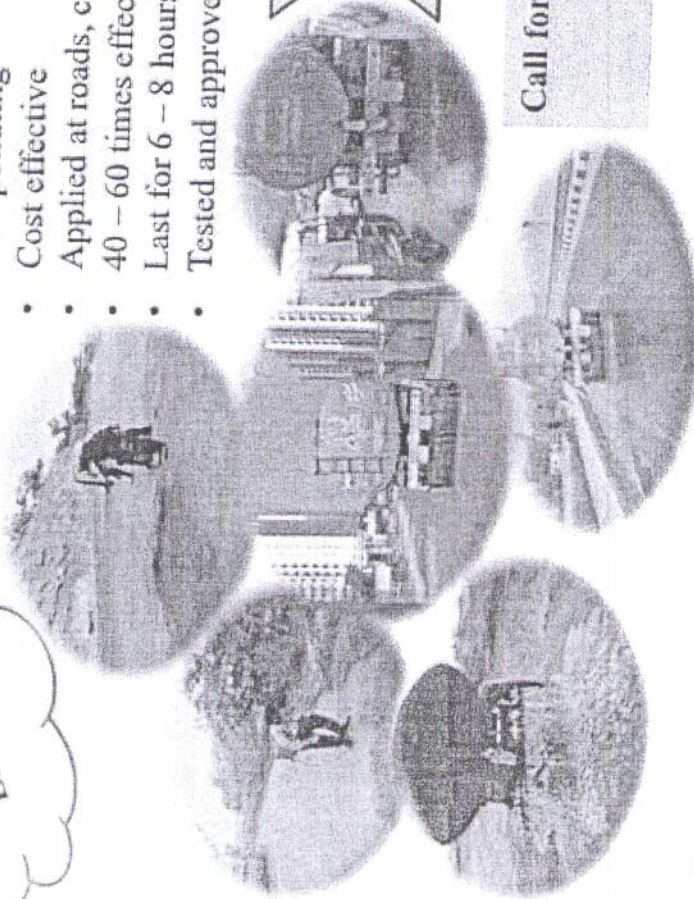
Dust Suppressant

Non polluting to
Environment

NEERI approved
and tested by
CPCB

- Hygroscopic salts
- Non polluting
- Cost effective
- Applied at roads, construction and mining sites
- 40 – 60 times effective than water sprinkling
- Last for 6 – 8 hours of application
- Tested and approved at Indian conditions

Rs. 10 to 15
paisa per sq.m



Call for consultation & appointment at
022 - 2540210
info@eprindia.com

9/B, Ramchand Premises, 1st Floor, Naupada, Gokhale Road, Thane (W) - 400601 Website: www.eprindia.com, Email: maadger@eprindia.com, Phone: 022 - 2540210