

COMMISSION FOR AIR QUALITY MANAGEMENT
IN NATIONAL CAPITAL REGION AND ADJOINING AREAS
17th Floor, Jawahar Vyapar Bhawan (STC Building)
Tolstoy Marg, New Delhi- 110001

F.No. A-110018/01/2021/CAQM-Vol.VI

Dated: 14.02.2024

To,

As per list enclosed

Subject: Mitigation of dust in construction and demolition projects.

Sir,

It is well established that dust from construction and demolition (C&D) activities is a major and consistent source of air pollution in the National Capital Region and contributes adversely to the PM10 and PM2.5 levels, consistently throughout the year, particularly during the summer season and thus is a prime contributor to the poor air quality.

2. Dust mitigation from C&D projects (buildings)

(i) Towards effective management and control of dust from the C&D activities, Ministry of Environment, Forest and Climate Change in exercise of power conferred under Sections 6 and 25 of the Environment (Protection) Act, 1986 notified the "Construction and Demolition Waste Management Rules". The Central Pollution Control Board also issued "Guidelines on Dust Mitigation Measures in Handling Construction Material and C&D Wastes 2017".

(ii) For further strengthening the compliance of dust control measures and effective monitoring, considering a large number of ongoing C&D activities at any point in time, the Commission vide Direction dated 11.06.2021 called for mandatory registration of all C&D projects with plot area equal to or more than 500 sq. meters on



the respective Web-portal of the State Govt. / GNCT of Delhi for remote monitoring, including the following:

- a. Video fencing for all the registered projects,
- b. Self-audit and certification mechanism by the agencies.
- c. Monitoring of air quality through low-cost air quality monitoring sensors installed at the project sites.

(iii) Deployment of Anti-Smog Guns:

To effectively combat dust emissions, the Commission vide Direction No. 69 dated 02.11.2022 mandated deployment of anti-smog guns (ASG), in proportion to the area of the construction as under:

- At least 1 ASG for a total construction area ranging from 5,000 to 10,000 sqm.
- At least 2 ASG guns for a total construction area between 10,001 and 15,000 sqm.
- At least 3 ASG for a total construction area between 15,001 and 20,000 sqm.
- At least 4 ASG for a total construction area exceeding 20,000 sqm.

(iv) Other directions and policy guidelines in the context of abatement of dust pollution from construction and demolition activities encompass a range of dust control and mitigation measures as under:

- a. Deployment of wind barriers / breakers along the project boundary
- b. Dust screens, particularly covering up the area under construction at the project sites
- c. Use of water sprinklers, water mist and dust-suppressants
- d. Covering of construction materials as well as debris
- e. Transportation of C&D materials only through covered vehicles

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JMP