

Mira Bhaindar Municipal Corporation

Subject: Guidelines for Air Pollution Mitigation.

Reference : 1. Hon. High Court PIL No. 3 of 2023.

2. National Green Tribunal Principal Bench, New Delhi Original Application No. 687/2023

3. Hon. Principal Secretary, Guidelines for Air Pollution Mitigation Dated 27/10/2023

1. Mitigation measures during Construction and Demolition phase.

- All the project proponents to ensure that at least 35 feet high tin/ metal sheets shall be erected around the periphery of construction projects having height more than 70 mtr (approx. 20-25 floor building).
- All Construction layouts having area more than 1(one) acre shall have tin/metal sheet erected of height 25 feet at least around periphery of the construction project sites and for construction sites, less than 1(one) acre, the tin/metal sheet height shall be 25 feet at least.
- All buildings under Construction/Demolition shall be compulsorily enclosed by green cloth/ jute sheet/ tarpaulin from top to bottom along all sides.
- Water sprinkling/spraying should be carried out on Construction/Demolition site for dust suppression.
- Water fogging shall be carried out during loading and unloading of materials at the construction sites. (Use stationery/mobile anti-smog guns)
- Mandatorily water sprinkling shall be done on debris/earth material etc. which are prone to generate air borne PM particles at all construction sites.
- All the construction personnel / managers shall mandatorily wear personal protective equipment such as masks, goggles, helmets, etc.
- Use of covering sheets for trucks carrying construction/demolition material will prevent air borne dust. (i.e., from top and all sides)

- All material storages adequately will be covered to avoid dust / particulate emissions.
- All the work sites shall ensure that the grinding, cutting, drilling, sawing and trimming work is carried out in enclosed area and water sprinkler / water fogging is continuously done while working to avoid escape of fugitive air.
- Planation at periphery of the site will be started in the mid of the construction which will act as natural barrier.
- All construction sites to deploy sensor-based air pollution monitors at work sites and act immediately on observing pollution levels exceeding the limit. This monitoring shall be made available for inspection to MBMC authorities as and when demanded.
- All the construction sites shall ensure that C&D (Construction and Demolition) waste generated within the premises / site of work is transported to designated unloading site strictly as per C&D Waste Management Plan.
- All the metro works above ground shall be covered with barricading of 25 feet height. The construction site shall be covered with tarpaulin/ green cloth / jute sheet. The smog guns / water sprinklers shall be used during the construction work.
- The loose soil, sand, construction materials and debris of any kind and quantity shall be stored in demarcated / dedicated area and properly barricaded, fully covered / enclosed / protected with tarpaulins.

Measures for DG sets.

- Use of DG sets will be only in case of power failure and as per CPCB norms.
- Proper maintenance of DG sets shall be done.

2. Mitigation measures for Vehicles carrying Construction and Demolition materials.

- The vehicles carrying construction/demolition material shall not be overloaded to avoid any spillage from the vehicle.

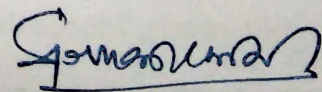
- All construction sites shall install CCTV cameras along the periphery of their work sites to ensure that vehicles are plying after cleaning tyres and are not overloaded.
- After unloading the material/debris, the vehicle shall be washed and cleaned thoroughly.
- Washing of wheels of Vehicles before coming and leaving the site.
- The path of vehicles within site will be predefined and compacted to reduce the dust emission within site.
- The speed of vehicle within site will not be more than 20 km/hr.
- Adequate parking provision and proper traffic arrangement for smooth traffic flow
- Vehicles having valid 'Pollution under Control (PUC) Certificate' shall be allowed onsite. PUC of all vehicles will be checked at security check point and then only vehicle will be given entry for the site.
- Separate entry and exit for the existing occupants and construction vehicles will ensure smooth traffic movement.
- Traffic analysis to be carried out to predict the possible impacts.
- All builders/Developers shall engage only those vehicles which possess vehicles tracking system installed on them.
- The vehicles carrying construction material or C&D material, if found not adhering to above stated provisions, shall be seized and impounded.

3. Role of Govt/Semi-Govt/Municipal Corporation.

- It shall be ensured that there is no dumping of construction material and debris on public roads, footpaths, pavements and open area.
- All Asst. Commissioners in charge of Wards shall arrange to deploy special squads to prevent illegal C & D dumping at late night.
- All Asst. Commissioners in charge of Wards shall deploy squads for air pollution

mitigation enforcement comprising of:

- a) Junior engineers
 - b) Sanitary Inspector
 - c) Security Guard
- **Role:** The enforcement squad shall visit the premises and videography the worksite. If it is observed that the worksite is not adhering to above stated provisions, stringent action such as issue of Stop Work notice and/or sealing of worksite shall be taken immediately.
 - The timeline for procurement of sprinklers shall be 15 days and for procurement of smog guns shall be 30 days from issuance of this circular. All the project proponent/contractors shall abide by the above timelines without fail.
 - The Traffic Police / RTO Officer shall take action against overloading of vehicle, uncovered vehicles, vehicles spilling construction materials on roads and the heavy-duty diesel vehicles which are more than 8 years old shall be strictly prohibited in MBMC jurisdiction.
 - The mitigation measures suggested as above shall be mandatorily observed by other agencies like MSRDC, MMRDA, METRO, Railways, Govt. or Semi Govt. authorities and private construction sites.
 - There shall be complete ban on open burning anywhere in the geographical area under MBMC, especially garbage dumping grounds and possible sites of trash burning.
 - MPCB shall/to monitor the air pollution emitted from the industries.
 - Regular awareness Activities/Campaigns shall be conducted by MBMC Environment Department.



(Sanjay Shripatrao Katkar, IAS)



Municipal Commissioner
Mira Bhaiandar Municipal Corporation