

Draft Guidelines for Clean Construction for Greater Chennai Corporation

These guidelines are prescribed for building and other construction works to mitigate air pollution. They shall apply to building constructions, RMC/ batching plants and other construction works conducted in the Greater Chennai Corporation area.

1. At project sites of site area upto one acre, the perimeter of the site shall be barricaded with tin/metal sheets of height 6 m to prevent spillage of dust and debris to exterior locations. **(High significance)**
2. At project sites of site area greater than one acre or building greater than 70 m and all RMC plants, the perimeter of the site shall be barricaded with tin/metal sheets of height 10 m to prevent spillage of dust and debris to exterior locations. **(High significance)**
3. All structure(s) to be demolished/ constructed shall be covered with high-density fabric/ tarpaulin/double-layered green net to prevent spillage of resuspended dust particles. Adequate sprinkling/ anti-smog guns focused on the dust-emitting source shall be also undertaken to control dust generation during demolition/ construction activities. **(High significance)**
4. There shall be continuous manual /mechanical water sprinkling /water fogging focused towards activity to prevent dust emissions during critical dust-generating activities like demolition, excavation, cutting, drilling, polishing, mixing and any similar dust-generating activity to prevent resuspension of dust. **(High significance)**
5. All construction material, excavated earth and C&D waste shall be stored on the site, not dumped on public roads or pavements and shall be covered with high-density polyethylene sheet/ tarpaulin of at least 200 GSM to avoid wind-blown dust resuspension. **(High significance)**
6. Constructor shall undertake regular housekeeping of the site multiple times throughout the day by brooming, cleaning, and sprinkling to ensure minimization of dust particles. **(Medium significance)**
7. Any waste materials generated during construction may be transported to designated areas on sites by use of covered trays, dust chutes etc. to prevent resuspension by exposure to wind. Properly covered lift shafts under construction shall also be alternatively used as dust chutes. **(High significance)**
8. All left over construction material/ construction and demolition waste generated on-site may be treated in accordance with C&D Waste Management guidelines of the GCC and be segregated and transported to GCC-designated C&D Waste Management facilities as soon as possible as directed by the C&D waste management guidelines of GCC. **(High significance)**
9. All vehicles transporting materials and C&D waste shall not be overloaded to avoid spillage and shall have their storage areas completely covered from top and sides with tarpaulin to prevent resuspension of dust by exposure to wind. Ensure covering remains secured in place during transport. **(High significance)**
10. Manual /mechanical wheel washing shall be undertaken for all vehicles immediately before their exit from the site. Periodic cleaning of entry/exit points and approach roads shall be undertaken to prevent the spread of dust/muck by vehicles onto adjoining roads. **(High significance)**
11. Constructor shall deploy CCTV monitoring at high-rise building project sites (building height above 18.5 m) to ensure personnel are following appropriate air pollution mitigation measures. CCTV footage shall be made available to GCC authorities for inspection as and when required. **(High significance)**

12. DG sets operationalized on sites shall run on clean fuels such as LPG/ PNG / Electricity, dual fuel mode, or be equipped with Emission Control Devices, and be operated in accordance with MoEFCC guidelines. **(High significance)**
13. All vehicles transporting materials and/or C&D waste shall possess valid Pollution Under Control (PUC) certification. **(High significance)**
14. Constructor shall designate a site engineer/ environment engineer/ project manager or any other appropriate site personnel at the managerial level to develop an air pollution mitigation plan for the lifecycle of the project and oversee its implementation. **(Medium significance)**
15. Site personnel, labour, and any other staff shall be sensitized by constructor towards reduction of air pollution by careful conduct of all construction related activities. The constructor shall also install informational boards/ posters at the site for visual reference of workers on site. **(Low significance)**
16. Proper Personal Protective Equipment (PPE), such as respiratory masks, goggles, and protective gear, should be made available to protect workers from breathing in dangerous air borne particles. **(Medium significance)**

Penalties for violators:

- a) GCC may undertake spot inspections at sites to ensure mitigation measures are being adhered to, and the constructor shall endeavour to provide access to site and project records as and when demanded.
- b) Any constructor found violating a fore mentioned guidelines shall be penalized as given below:

S No	Area of Project	Compensation
1	Violations of high significant guidelines for built-up area (BUA) > 20,000 sq m	Rs. 5,00,000/-
2	Violations of high significant guidelines for plot area above 500 sq m up to 20,000 sq m BUA	Rs. 50,000/-
3	Violations of high significant guidelines for plot area between 300 sq m – 500 sq m	Rs. 30,000/-

- In case of medium/ low significance violations, notice for rectification of violations will be issued giving 10 days of time.
- Orders to stop construction activities will be issued in addition to the penalty if high-significance violations or repeated violations are not rectified within 15 days of notice for rectification.

On this, the service providers, builders, owners and the general public have been asked to make their comments and suggestions through the following email within 30 days of the notification.

swmcleanconstruction@gmail.com

**Commissioner
Greater Chennai Corporation**