

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781
/4037124/4035273
Fax : 24044532/4024068
/4023516
Email : ast@mpcb.gov.in



Kalpataru Point, 3rd & 4th floor, Sion- Matunga
Scheme Road No. 8, Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E),

Mumbai - 400 022

Visit At : <http://mpcb.gov.in>

DRAFT NOTIFICATION

No. _____ Date: _____
In exercise of the powers conferred under sub-section (1) of section 54 read with clause (z) of sub-section (2) of the said section and sub-section (1) of section 21 of the water(Prevention & Control of Pollution) Act, 1974 & Air (Prevention & Control of Pollution) Act, 1981, the State Govt. after consultation with the Maharashtra Pollution Control Board hereby notifies the Guidelines for Ready Mix Concrete Plant (RMC) in the State of Maharashtra for sitting criteria of RMC's, Environmental Standards to be imposed on RMC's, additional control measures to be imposed to abate/mitigate pollution & any other recommendations.

All the suggestions / comments / improvement plan are invited from all concerns on e-mail address of ast@mpcb.gov.in within 15 days from the date of publication so as to formulate the policy.

A. DEFINITION:

- i) **RMC Plant** : Ready-mix concrete is concrete that is manufactured in a factory or batching plant, according to a set recipe, and then delivered to a work site, by truck mounted in-transit mixers.
- ii) **Commercial Plant** : A concrete batching plant set up for the purpose of supply of RMC to customers who require this for their construction.
- iii) **Captive Plant** : A Concrete Batching Plant which has been set up for the sole purpose to supply RMC to a dedicated project site.

B. APPLICABILITY :

- i) The RMC Plants are covered under the consent management regime of the Board.
- ii) The permissions / grant of NOC shall be issued by the concern local body.

C. SITING CRITERIA-

The following sitting criteria shall be considered for establishment of RMC Plant.

1. For commercial plant a buffer zone of approximate 100 mtr distance from human habitation of 1000 souls or more and major road (National / State Highway, MDRs, main roads in city areas), shall be maintained.
2. For captive plant for the specific project, the location of RMC can be inside the project premises.
3. RMC should not be located within 200 m from sensitive places such as school, college, hospital and court.
4. The project proponent should comply with other locational statutory requirements including conditions imposed in the 'No Development zone' through various Notifications such as DC Rules, MMR Policy & any other Sensitive Locations like Antop Hill etc. while granting Consent to Establish. The condition for such compliance along with affidavit shall be imposed. While granting Consent to operate, it will be subject to the compliance of affidavit & the project proponent will be responsible for compliance.

D. ENVIRONMENTAL ASSESSMENT:

The following factors shall be taken into consideration for environmental assessment.

- i) Material handling and Storage capacity shall be specified.
- ii) To carry out meteorological study specifically wind directions and accordingly prepare plan to control of fugitive emissions / dust particles and suppression system.

E. Pollution control measures:

a) Air Pollution Control;

(i) In-house measures;

1. All material transfer points should be covered
2. The dust containment system shall be provided incorporating either of the following
 - Barricading all around the periphery of the plot boundary of height minimum 20 feet or 5 feet above free fall air emission area, whichever is higher with tin sheets. Same may extend above with netlon clothing whenever required

- Water sprinkling/Chemical dust stabilizing agent spraying system along the periphery inside the premises of RMC.
 - Tree plantation along the periphery inside boundary of the RMC premises having minimum width of 5 meters, on all sides. The foliage of the trees shall adequately cover area upto about 20m height.
3. Internal work area shall be, cement concreted/Asphalted.
 4. Daily cleaning / Removal of dust accumulation inside the plant (dry/wet) shall be carry out, with industrial vacuum cleaner.
 5. Two level tyre washing facility shall be provided at entry and exit points, for transit mixture vehicle.

(ii) Raw material storage & handling;

1. Storage silos of cement & fly-ash shall be equipped with adequate capacity of dust Collection system such as multi- cyclone followed by bag house assembly.
2. Handling of Cement, sand, fly ash and aggregates shall be carried out with mechanical closed system only.
3. Manual operations shall be permitted only in a closed shed, equipped with dust control system at the loading point as well as roof top secondary dust control system.
4. All Conveyor belts of Sand, aggregate shall be covered with tin sheets and at transfer points dust collection system to be installed to avoid secondary fugitive emissions.
5. Mixing section of cement, aggregate & sand shall be equipped with adequate capacity dust collection system, such as multi-cyclone followed by bag house, so as to limit dust emissions.
6. Storage area of sand & aggregate shall be equipped with roof top water sprinkler system.
7. The production plant shall be interlocked with air pollution control devices.
8. Alternative power supply system, should cover both the production and Air pollution control system

(iv) Ambient air quality at a distance of 10 mtr from source OR the plant Boundary, whichever is nearer, shall meet the following standards

Particulate Matter PM 10 Not to Exceed	100	µg/m3
Particulate Matter PM 2.5 Not to Exceed	60	µg/m3

b) Water pollution control measures;

- I) The waste water generated from the sources like Batching Plant washing, Transit Mixer washing, Vehicle tyre washing and floor washing area shall be collected through well designed drainage system in a collection tank and the same shall be treated by providing comprehensive treatment system as is warranted to meet the disposal standards mentioned below.

Standards of the treated effluent Quality

Sr. No.	Parameter		Standards
1	pH	Between	5.5 to 9.0
2	Oil & Grease	Not to exceed	10 mg/l
3	Suspended Solids	Not to exceed	100 mg/l.
4	BOD3 days	Not to exceed	30 mg/l.
5	COD	Not to exceed	150 mg/l.
6	TDS	Not to exceed	2100 mg/l

- II) The treated effluent shall be reused in the process, water sprinkling system or gardening / plantation only. There should not any discharge of effluent from the plant.

c) Solid waste treatment and disposal;

- i) Solid waste from transit mixture washing, muck (debris/sludge) generated from RMC shall either be reused through recovery unit/ Reclaiming system OR disposed off at a designated approved site by local body, for debris / construction waste.

Note:

1. The star type RMC plants shall be discarded within 1 year. For old plant the period of 1 year shall be allow for implementing the suggested guidelines. The renewal shall be consider only after implementation of new guidelines. The RMC's having valid consent, they shall amend their consent in compliance with guideline within a year.
2. Operation of RMC plant shall be in day time only. The Day time is reckoned in between 6 a.m. and 6 p.m. i.e from sun rise to sunset.
3. The Board may make the standards stringent for the RMC / batching plants located within Corporation areas.
4. New permission will be granted by imposing conditions & unless and until above arrangement provided consent to operate will not be considered/granted

F. The following conditions shall be incorporated in the consent:

1. The authority shall provide adequate water treatment and disposal facility for generated effluent from their activity .They shall comply with provisions under the Water (Prevention and Control of Pollution) Act, 1974.
2. The authority shall provide adequate Air pollution control arrangement at the source. They shall comply with the provisions under the Air (Prevention and Control of Pollution) Act, 1981 and conditions prescribed in E.

sd/-

(Rajeev Kumar Mital, IAS)

Member Secretary