

MIZORAM POLLUTION CONTROL BOARD

No.H.88088/Poltn/78/17-MPCB/20-22

:

Dated Aizawl, the 13th June 2025

CIRCULAR No. 5 OF 2025

ENVIRONMENTAL STANDARDS FOR HOT MIX PLANT

Whereas the Ministry of Environment, Forest & Climate Change (MoEF&CC) on May 18, 2023 published the Environment (Protection) Second Amendment Rules, 2023 to further amend the Environment (Protection) Act, 1986 and notified the Environmental Standards for Hot Mix Plants through Gazette Notification No. G.S.R. 376(E); and

Whereas, the Notification was to be made effective after six months after the date of Notification i.e from December 2023; and

Whereas, the Mizoram Pollution Control Board issued a Circular on the Environmental Standards for Hot Mix Plants vide letter No. H.88088/Poltn/138/2023-MPCB, Dt 08.08.2023,

Whereas, the Mizoram Pollution Control Board, in its 62nd Meeting held on 19.12.2024, adopted the Notification without any modifications to strengthen the aforesaid Circular; and

Now, therefore, the Environmental Standards for Hot Mix Plants, as below, shall be applicable in the whole state of Mizoram and shall be strictly complied with by all operations of Hot Mix Plant in Mizoram.

I. Siting criteria :

Hot Mix Plant shall be installed beyond:-

- (a) 1 km from boundary of cities and towns;
- (b) 0.5 km from habitation;
- (c) 0.2 km from National or State Highways (from Centre Line);
- (d) 0.5 km from Schools or Colleges and temples;
- (e) 1 km from Hospital, court and tourist spot.

II. Air Pollution Control Devices (APCDs)

The hot mix plant shall be equipped with appropriate air pollution control devices as mentioned below so as to ensure optimum efficiency to achieve the standards, namely:-

- (a) Drum Type: Cyclone or multi-clones with wet scrubber;
- (b) Batch Type: Multi-clones with bag filters.

III. Emission & control:

- i. The Hot Mix Plant shall be provided with Stack with a minimum to be calculated using the formula: $\text{Stack height (H}_s\text{)} = 14 (Q)^{0.3}$, where, Q is the SO₂ emission rate in kg/hr.
- ii. Dust emission from material handling shall be contained with water sprinkling or by covering the points of dust emission.
- iii. **Particulate Matter (PM) Concentration in stack emission shall not exceed**
 - a) 150 **mg/Nm³** for Batch type Hot Mix Plant
 - b) 300 **mg/Nm³** for Drum type Hot Mix Plant

IV. Working area

- i. The internal roads, working platform, loading and unloading areas in premises should be paved and kept clean all times.
- ii. The green belt shall be developed along the periphery.
- iii. Use of Recycled Asphalt Pavement (RSP) shall be allowed in the aggregates.
- iv. Any process rejects or left over of the hot mix shall be recycled in the process
- v. The site shall be reinstated at the end of operation phase i.e., after dismantling the plant.

V. Fuel:

- i. Only approved fuel as specified by State Pollution Control Boards shall be used.
- ii. In case existing hot mix plants are not able to use approved fuel, the unit may be allowed with the condition that minimum 6 meter high compound wall of GI sheets along plot periphery shall be installed.

VI. Noise

- i. Provisions of the Noise Pollution (Regulation and Control) Rules, 2000 shall be followed
- ii. Workers shall be provided with personal protective equipment.

VII. Size and capacity

State Pollution Control Boards may decide the size and capacity to permit hot mix plants based on available technology and prevailing environmental conditions.

Sd/-LIANKIMA LAILUNG

Chairman

Mizoram Pollution Control Board

Memo No. H.88088/Poltn/78/17-MPCB/20-22 : Dated Aizawl, the 13th June 2025

Copy to: 1) The Commissioner & Secretary, EF & CC Deptt. for information.

2) The Director, Commerce & Industries Department for information.

3) The President, Mizoram Industries Owners' Association.

4) Guard File



(C.LALDUHAWMA)

Member Secretary

Mizoram Pollution Control Board