



HARYANA STATE POLLUTION CONTROL BOARD
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Office Order

The matter regarding covering the mineral grinding / pulverizing units was placed before the Board in 162nd meeting held on 20.3.2012 vide Agenda Item No. 162.15 (S). The Board approved the agenda and decided that mineral grinding / pulverizing units of Distt. Mohindergarh and or elsewhere in the State be covered under Consent Management. It was further decided that siting guidelines shall be made applicable for new grinding units and not applicable for the existing units. However, guidelines in respect of pollution control measures, tree plantation & general conditions shall be applicable for all grinding / pulverizing units. A copy of the guidelines is enclosed at Annexure.

Dated Panchkula the
30th March, 2012

R.R. Jowel, IAS
Chairman

Endst. No. HSPCB/PLG- 74 /35-60

Dated:02.04.12

A copy of the above is forwarded to the following for information and immediate necessary action.

1. All Sections Incharge in Head Office.
2. All Regional Officers in Field offices.
3. All the Lab Incharges.
3. P.S. to Chairman/ P.A. to M.S. for information of the officers.

Scientist 'C'-I (HQ)
For Chairman

Guidelines for abatement of pollution in Mineral Grinding/ Pulverizing units

1. Siting guidelines regarding location of land for grinding unit.

(a) The mineral grinding unit can be established on a plot of land either allotted any State agency in notified industrial area or land owned by the proponent and duly converted by the competent authority for industrial use. In case the land has not been converted for industrial use, the project proponent must obtain permission from the Local Bodies. The proposed site / land for establishing mineral grinding units should be such that the nearest point of boundary of the land is not located within 100 meters from the centre of National / State High way.

(b) Land Requirement

The minimum area of land for establishing a mineral grinding unit should be such that after establishing plant and machinery and having supplied space for material stock and movement of vehicles, there is enough space all around for planting at least two rows of plants along the periphery.

2. Pollution Control measures required to be adopted by Mineral Grinding Units are as under:-

- 1 All the jaw crushers, pulverizers, granulators must be installed inside enclosures.
- 2 The enclosures around jaw crushers, pulverizers, granulators must be rigid and fitted with self-closing doors and close-fitting entrances and exists.
- 3 Where conveyors pass through the enclosures, flexible covers must be installed at entries and exists of the conveyors to the enclosure.
- 4 Outlets of pulverizers must be attached to pulse jet type fabric bag filters.
- 5 All rotary screens must be totally enclosed in housing. Screen houses must be rigid and reasonably dust tight.
- 6 Where containment of dust within the screen house structure is not successful then a dust extraction and collection system, attached to pulse jet type fabric bag filters must be provided.
- 7 For better environmental protection practices, the energy efficiency and production efficiency must be maximized. For this purpose effective belt scraper

such as the pre-cleaner blades made of hard wearing materials and provided with pneumatic tensioner, or equivalent device, should be installed at the head pulley of designated conveyor as required to dislodge fine dust particles that may adhere to the belt surface and to reduce carry back of fine materials on the return belt. Bottom plates should also be provided for the conveyor unless it has been demonstrated that the corresponding belt scraper is effective and well maintained to prevent falling material from the return belt.

- 8 Except for those transfer points which are placed within a totally enclosed structure such as a screen house, all transfer points to and from conveyor must be attached to bag filters or other pollution control equipment.
- 9 Openings for any enclosed structure for the passage of conveyors should be fitted with flexible seal.
- 10 Suitable storage silos of adequate capacity must be constructed for collection and storage of the mineral powder so as to prevent fugitive emissions due to material fall from conveyor belts and during material handling.
- 11 Wherever feasible, free falling transfer points from conveyors to stockpiles should be fitted with flexible curtains or be enclosed with chutes designed to minimize the drop height.
- 12 All open stockpiles for aggregates of size in excess 5 mm must be kept sufficiently wet by water spraying. The stockpiles of aggregates 5 mm in size or less must be suitably covered to ensure that the same is not carried away (or whipped out) by the wind.
- 13 Scattered piles gathered beneath belt conveyors, inside and around enclosures must be cleared regularly.
- 14 The mineral powder during process within the plant must be transferred pneumatically through chutes.
- 15 The handling and storage of the dust collected by the dust collection system should not cause any fugitive particulate emissions.
- 16 Trucks carrying finished material bags should be covered with tarpaulin.
- 17 A high standard of housekeeping should be maintained. Any piles of materials accumulated on or around the relevant plant shall be cleaned up regularly.

3. Plantation for Environmental Care

For conserving environment from adverse effect of emissions, the industry must ensure that:-

- 1 Minimum 33% of the land on which industry is established or proposed to be established is covered by plantation.
- .2 At least two rows of tall trees of suitable species are planted along the boundary on all the sides and such plantation should be carried out within a minimum width of 10 meter.
- 3 If the soil is not fit for plantation, the project proponent will impost soil and ensure that saplings with minimum height of 5 feet are planted.

4. General Conditions

- 1 A sign Board showing the name, address and capacity of the industry should be displayed at the entrance of the site.
- 2 In case the industry intends to use ground water more than 25 kilolitres/day, the industry must obtain prior permission from the competent authority (Central Ground Water Authority) for withdrawal of ground water.