

GUIDE LINE OF M.P. POLLUTION CONTROL BOARD FOR CONTROLLING POLLUTION FROM STONE CRUSHERS.

During the meeting of Regional Officers held on 05/01/2004, the 100 days action plan was discussed. The matter of siting and pollution control in stone crushers was also one of the issues. The Regional Officer, Sagar & Gwalior had been instructed to formulate the necessary guidelines keeping in view the various prevailing guidelines in different State Pollution Control Boards [SPCBs]. Both the officers collected some of the guidelines from various SPCBs viz. Tamil Nadu State Pollution Control Board, A.P. Pollution Control Board and Karnataka Pollution Control Board. Also the recommendation made by NPC, New Delhi has been also collected.

Keeping in view the various above guidelines and the scenario of the Stone Crushers of M.P. State, following guidelines are prepared for necessary action :-

A. Siting of Stone Crushers:

1. The distance between the crusher boundaries and the boundary of the National/State Highways shall be as specified below in case of new installations.

S.No.	Cluster/Crusher	Distance Between Crusher/Cluster National/State Highways	Green Belt Area at the Periphery
01	Single Crusher	100 mts	05 mts.
02	10 Crusher	150 mts.	10 mts
03	25 Crusher	250 mts.	30 mts.
04	50 Crusher	300 mts.	50 mts.

Note: *The crusher boundary implies the line joining all the emission sources such as jaw crusher, conveyer belt head rotary screen etc. in the crushing unit*

2. If the distance between two crushers is more than 100 mts., it will be considered as a single crusher. If, the distance between the crusher boundaries is less than 100 mts., it will be considered as a cluster.

3. In respect of Residential area, No Stone crushing industries are to be allowed to operate within 500 mts from Residential area as per the orders of Hon'ble Supreme Court of India in the Civil Appeal no. 10732/1995 dated: 25/04/90.
4. The stone crusher shall obtain NOC from local body/Gramsabha in prescribed form [Enclosure - 1]
5. Existing crushers which are near the National or State Highway and not meeting the above criteria should provide a 15 to 20 feet wall on all the three sides [parallel to National/State Highway and both the sides] and up to the length to be stipulated on the alignment of road and boundary of the crusher.

B. Air Pollution Control Measures:

i. Screening of Crushed Material:

The screen should be enclosed with M.S. Sheets and a fan connected with motor to extract the dust generated during screening operation should be installed. Dust should be vented into a chamber wherein water sprinklers shall be provided for dust suppression.

ii. Dust conveyor and dropping of dust and zero gitti on to the ground from the conveyors:

A telescopic chute should be provided at the end of dropping *zero gitti* and dust/fines. Suitable water sprinkling system shall be provided to reduce the dust emission.

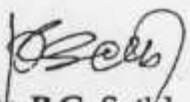
iii. Raw Material unloading and Conveying:

a) Temporary water sprinklers shall be provided at the time of unloading from the truck/tipper.

b) The unit should provide water sprinklers on the conveyor carrying raw material from bunker/bin to the crusher. The water should be sprayed in the form of mist with the help of a motor.

2. Existing stone crushers should develop green belt of 5 mtrs. width all around the premises for improvement of environment in general.

3. Periodical cleaning of the water spray nozzles should be carried out to avoid chocking.
4. Fine dust accumulated in the crushing area should be periodically cleaned and the dumps should be covered with tarpaulin to arrest erosion by wind.
5. The approach road should be properly developed and should be sprayed with water similarly the approach roads to individual crushers should be made in good conditions and watered.
6. The drop height of the processed material should be kept at a minimum during loading and unloading.
7. Conveyer chutes should be provided at the discharge points.
8. As an occupational safety, all the workers should be provided with nose masks.
9. The green belt will restrict the spread of particulate matter and trees should be evergreen high foliage type like, neem, tamarind, mango and any other local varieties are recommended.
10. Ornamental trees like Ashoka along the roads on both sides leading to the crushers area should be encouraged to improve the aesthetics of the working environmental.
11. The stone crushers should be located within quarry or near the quarry areas.


[Dr. P.C. Seth]
Member Secretary