

POLLUTION CONTROL MEASURES FOR STONE CRUSHERS, M-SAND UNIT AND PLASTER SAND

1. The jaw crusher, cone crusher, the chute and conveyor system of crushed stone to be covered with suitable semi circular M.S. Sheet /Zinc sheet, etc. Suitable exhaust and venting system of adequate capacity to be provided to guide the dust emanating from the crushers into the stack.
2. The rotary screen to be completely covered leaving space at bottom for collection of the sieved jelly.
3. The conveyor belts chutes especially carrying smallest particles should be covered with semi circular M.S. Sheets and heaps shall be located in appropriate sheds wherever possible with all possible arrangements to prevent escape of dust during loading and unloading operation.
4. The Suspended Particulate Matter as measured at a distance between 3 m & 10 m from any source of dust emission shall not exceed $600 \mu\text{g}/\text{Nm}^3$. The measurements are to be made at least twice a month for all the 12 months in a year and report has to be submitted to the Board.
5. Suitable Water sprinkling system shall be provided to reduce the dust from each dust generation area.
6. The Industry shall provide all around covering of the premises using G.I. sheet (1.66 mm and 1.25 mm thickness) for a height of 6 m and provide Netlon – Mesh up to 30 ft with regular water sprinkling arrangement to suppress the dust generation.
7. The applicant shall provide barricades (G.I. Sheets)/Wind breaking walls of height 20 feet on all three sides of the crusher area.
8. Noise level as measures from the periphery of the industry should not exceed 75 dB (A) leq during day time & 70 dB (A) leq during night time.
9. The applicant shall adopt following pollution control measures.
 1. Dust containment-cum-suppression system for the equipment.
 2. Construction of wind breaking walls.
 3. Regular cleaning and wetting of the ground within the premises.
 4. Greenbelt along the periphery.
10. The applicant shall provide a roof with gradual slope/ Curvature so as to prevent accumulation of water and have an easy flow.
11. The applicant shall provide telescopic chutes at product unloading to prevent dust release into the atmosphere during free fall of material from heights and also these chutes shall be adjustable in length according to size of the heap.
12. The sand washing wastewater shall be treated in settling tank and the treated wastewater shall be recycled in process or for sprinkling purpose.
13. This applicant shall comply with the provision of the Karnataka Regulation of Stone Crusher Act, 2011 & its amendment.
14. The DG set of 500 KVA capacity shall be provided with 6mt above roof level chimney along with acoustic enclosures