

CPCB Recommendation for control of emission from Quartz Grinding unit

- i. Adequate provision of dust extraction system shall be made at potential sources such as jaw crusher hopper, transfer points of materials from conveyer belt, disintegrator, transfer points of materials from bucket elevators to other plant equipment, rotary screens, magnetic separators, vibratory screens etc. The dust extraction system of such potential sources shall be routed through Air Pollution Control Device (APCD). Stacks attached to APCDs are to be equipped with adequate monitoring facility as per CPCB Emission Regulation, Part-III.
- ii. The height of stack shall be maintained minimum 2 meter above the roof level
- iii. Sheds provided for plant process machineries shall be closed properly and provision of Closed Circuit Television (CCTV) camera shall be made rather than keeping small openings in shed for frequent observations.
- iv. The internal roads shall be made of bitumen / concrete to reduce the fugitive emission by vehicular movement with proper cleaning and wetting mechanism.
- v. Provision of green belt shall be made along the periphery of the individual unit.
- vi. Provision shall be made for systematic water sprinkling at places of dust generation to reduce the fugitive emission and records of water utilization shall be maintained.
- vii. The telescopic chute / any other system shall be adopted to reduce the fugitive emission while loading the products into trucks / fine dust in the bags.
- viii. Provision of Personal Protective Equipment (dust mask, helmet, safety shoes, goggles, ear plugs) and utilization by all the workers during operation of the plant shall be ensured.
- ix. The units shall ensure environmental monitoring and submission of reports to SPCB at regular intervals.
- x. The house keeping shall be improved.
- xi. The Units shall submit a time bound action plan to comply with the above measures, within 30 days.