



Rajasthan State Pollution Control Board

Headquarter, 4, Institutional Area, Jhalana Doongri, Jaipur-302004
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SCMG&DS (Gen-31)RPCB/ 3018-59

Date: 14/03/23

Regional Officer

Rajasthan State Pollution Control Board,

Alwar/Balotara/Banswara/Bharatpur/Bikaner/Bhilwara/Bhiwadi/Bundi/

Chittorgarh/Hanumangarh/Jaipur(N)/Jaipur(S)/Jaisalmer/Jhalawar/Jhunjhunu/

Jodhpur/Kishangarh/Kota/Nagaur/Pali/Rajsamand/Sikar/Sirohi/Sawai

Madhopur/Udaipur.

Sub: Utilization of stone slurry, cutting waste etc. for gainful purposes or disposal at the earmarked dumping yards-reg.

Rajasthan is home to mineral based industries and having plenty of deposits of several minerals. Large number of stone cutting and polishing industries are operational across the state.

During cutting and polishing of stone lumps to produce slab and tiles, slurry is generated, which is to be either used for gainful purposes or to be disposed scientifically at earmarked dumping sites. In case, it is not handled scientifically and disposed in haphazard manner, it may cause nuisance. The fine powder gets air borne and creates air pollution problem in the nearby areas. Therefore, it is to be ensured that the stone slurry generated from stone processing units is used/disposed properly to prevent air pollution owing to haphazard disposal of slurry.

To manage huge quantity of stone slurry (inorganic & non-hazardous waste) in gainful/productive usages, options are being explored. Some of the stages/options of utilization of stone slurry are as under:-

- Utilization of Marble slurry in cement manufacturing (As a lime stone).
- Production of synthetic gypsum through chemical reaction (sulphuric acid and stone slurry). The synthetic gypsum may be used in cement plants as a substitute to mineral gypsum.
- Utilization of Marble slurry dust (MSD) in road construction (as a substitute to sand).
- Utilization of Marble slurry in brick/tiles manufacturing (in Morvi, Gujarat marble powder is being used for manufacturing of tiles).
- Manufacturing of stone slurry powder by mineral grinding operations along with lumps/crazy of dolomite marble.
- Stone slurry can be used for land filling in abandon/exhausted mines for land reclamation.



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To address the above environmental issues in the State, owing to stone slurry, the above option(s) should be adopted by the units engaged for processing of various stones.

The Regional Officers of RSPCB should take initiative to motivate industries individually and through their associations to ensure that the stone slurry must be used for gainful purposes or it should be disposed properly on the dumping yards earmarked by the District Administration/RIICO/Mining Department.

All the Regional Officers are directed to initiate/take action as under:-

1. Prepare detailed report about quantum of stone slurry generated in their respective jurisdiction and ensure that slurry is either being used for purposes mentioned above or it is properly disposed in dumping yards.
2. In the areas where dumping yard not yet earmarked, ROs should pursue with District Administration/RIICO/Mining Department to get the same allotted.
3. In the Consent to Operate letters being issued by ROs to such units, a condition should specifically be stipulated regarding end use of stone slurry (if it is proposed to be used for gainful purposes). In case slurry to be disposed in dumping yard, name/location/khasra number etc. of dumping yard should be mentioned in the condition.
4. RO should take quarterly report of compliance of such condition. RO should also physically verify that the specific condition regarding slurry disposal/reuse is being complied by the stone processing unit or not. In case of non-compliance appropriate action should be taken by the RO.



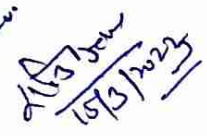

(B. Praveen)

Member Secretary

Copy to the following for information and necessary action:

1. PS to Chairperson, RPCB, Jaipur
2. PA to MS, RPCB, Jaipur
3. CEE/CSO, RPCB, Jaipur
4. Group In-Charge HBC/OGM/Mines & SCMG/ CD&PDF/E-Waste & Battery, MSW, Planning/ Textile & Liquid Waste/HSW& ITS/ CPP, Plastic & ECC/ MUID/ Project, IEC/BMW, RPCB, Jaipur
5. GIC (IT), RSPCB, Jaipur
6. Master File


Member Secretary

Pl. up to

15/03/2023
Prof. 
PA 
15/3/2023