

SCW/MINES/ 19 /2020-21

To,

**Dy. Director General Forest (Central)
Regional Office, Western Region,
Kendriya Paryavaran Bhavan,
Link Road No. 3, E/5, Ravishankar Nagar,
Bhopal – 462016(M.P.)**

Sub: Six monthly Environmental Clearance Compliance Status report of Sagmania Limestone mines for the period from January, 2020 to June, 2020.

Ref: Environmental Clearance Letter No.J-11015/271/2006-IA.II (M) Dated 27th Dec-2007.

Dear Sir,

With reference to aforesaid EC letter, we are furnishing below the point wise compliance status for your kind information:

A. Specific conditions

- (I) Mining Lease of Sagmania Limestone Mines was granted by M.P. Govt. for Mining of limestone as such it is deemed to be already diverted.
- (II) All conditions stipulated by State Pollution Control Board in their NOC is already implemented.
- (III) Our Mining operation is extended vertically down below upto the depth of 20 mtr. only whereas ground water table starts from 25 mtr. below ground level, therefore mining operation never intersect Ground water table in any case.
- (IV) **No natural water course is obstructed due to mining operation.**
- (V) Top Soil generated is presently used directly for reclamation & rehabilitation in the backfilled area. Top soil is generated during removal of soil overburden which is spread over reclaimed area for plantation with suitable trees as a part of rehabilitation of excavated area. Top soil has been stacked earlier with proper slope for soil ridge all around the mining lease boundary line with plantation to make a green belt.
- (VI) The entire waste generation is already used in backfilling of excavated area for reclamation & rehabilitation. The backfilling is carried out upto the level of normal ground level. At the end of mines life dumps will be re-handled for backfilling of excavated area and planted. As per approved Mining Plan we follow the practices of Reclamation, Rehabilitation & Afforestation programme.
- (VII) At the end of Mines life void left unfilled shall be converted into water body as per the condition laid down.
- (VIII) Collected rain water is utilized for watering the mines area, roads and green belt development etc.

- (IX) We have planted total 20000Nos of trees in 9 Hectare area in year 2019-20and survival rate is 80%.Now afforestation programme would be as per approved Mining plan.
- (X) Haulage road are adequately sprayed with water by sprinkler installed water tanker. Trees are planted on both side of road to arrest air borne dust. Our existing crusher are equipped with Bag Dust Collector, Pocket filters etc which ensure adequate suppressions of air borne dust in crusher with arrangement of water spraying at all transfer points. The Ambient air quality monitoring parameters are well within permissible limits of the proposed standard of SPM & RPM.
- (XI) Suitable conservation measures to augment ground water resources in the area is carried out by making huge water reservoir in the worked out pit to recharge the ground water table.
- (XII) Ground Water level & Quality monitoring is carried out in & around mining lease area in all the four seasons. The monitoring Report is carried out four times in a year-pre-monsoon (April-May), Monsoon (August), post monsoon (November) & winter (January). All collected data is also sent regularly to concerned authority. Reference Sheet is attached. **(Annexure-I)**
- (XIII) Rain water harvesting measures are taken by making trenches/slopes all around the pits to collect the rain water in the bottom benches.
- (XIV) Prior approval of the competent authority for withdrawal of ground water will be taken if required for project. Application has been submitted to competent authority of CGWB, Bhopal for withdrawal of ground water.
- (XV) Existing Crushers are equipped with Bag dust collectors, Pocket filters. De-dusting cyclones etc. which ensures adequate suppression of air borne dust in crusher and conveyor belt transfer points. There is also adequate arrangement of water spraying at crusher hopper and conveyor belts.
- (XVI) Blasting operation is always carried out only during daytime with controlled blasting method. Monitoring of vibration is being done in regular interval with the help of new InstantelMicromate vibration monitoring equipment.
- (XVII) Drill machines are equipped with water injection system to suppress the dust and Dust collection system which is continuously operating to avoid dust getting airborne.
- (XVIII) Vibration (Peak Particle Velocity-PPV) is being monitored in regular interval by new InstantelMicromate and kept well within permissible limits. Safe limit of PPV is 10 mm/second as per recommendation given by DGMS.**(Annexure -II)**
- (XIX) Complied.
- (XX) Vehicular emission is under control. Appropriate measures are taken for maintenance of Heavy Earth Moving Machinery. Hauling Vehicles ply within ML area and are loaded as per OEM recommendation & not overloaded.