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दिनांक - 24.09.2018

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Inspection Report cum Scrutiny comments on the Mining Plan for Guma- II Limestone Block over an extent of 249.03 Hectors in Guma, Khapradih and Sarseni Village, Simga & Palari, Tehsil, Baloda Bazar District of M/S Ultratech Cement Limited by Rajesh Kumar Das, Sr.ACOM & R N Mishra, SMG dated 12.09.2018

1. At a glance information before introduction at start of document in following format may be furnished.

01	MINING PLAN/REVIEW OF MINING PLAN AT GLANCE		
1	Name of the Applicant /lessee		
2	IBM Registration no		
3	Address of Applicant		
4	Name of Mine		
5	Minecode		
6	Lease area in hecets.	Forest -	Non forest - Total =
7	Forest Diverted Area if any,		
8	Name of Mineral		
9	Lease period from to		
10	Mineral Reserve (111& 112)		
11	Mineral Resources		
12	Production proposal Ist Year		
13	Production proposal IInd Year		
14	Production proposal IIIrd Year		
15	Production proposal IVth Year		
16	Production proposal Vth Year		
17	Existing/valid EC permission in tonnes		
18	Plantation proposal per years in numbers		
19	Plantation proposal per years in area		
20	Back filling proposal in ha per year		
21	Prohibitory order from any authority		
22	Any other important information		
23	% of Bid for Auction	138.25	

2. **Mining:** During the mine visit it was observed that mining proposal is given in the safety zone of the electric line. The same should be revised as per Regulation and there should not be any proposal of mining in safety zone.
3. **Yearwise development Proposal:** The table 7.2.1(b) showing the yearwise production proposal of recovery of ore, subgrade/ reject, and waste is given with reference to column ROM but value is not mentioned. The correction to be done.

4. **Explosive:** The proposal for blasting it is mentioned that SME & ANFO both types of explosive will be used but the blasting Parameters is given same for both the explosives and powder factor is also considered same which is practically not correct. The same should be reviewed and accordingly correction to be done.
5. **In Para 7.11** it is mentioned that common magazine is maintained at Rawan-Jhipan limestone mine therefore whether the capacity of magazine is such that it will cater for all leases including Rawan-Jhipan, Hirmi, etc and also discussed for storage facility of ANFO. The Distance and route of magazine to this mine from Rawan mine also to be furnished.
6. **Use of Mineral:** In the given Para it is mentioned that the limestone will be used for plant feed but it is not specifically mentioned that for which plant the material will be used. The planning should be concrete and therefore Para should be revised and also the correction should be made in all respective area where material used is mentioned.
7. **Stacking of Mineral Reject/ Sub grade material & Disposal of Waste:** The Length and width of the retaining wall and garland drain (yearwise proposal) to divert the water from dump and along dump to restrict boulders and divert rain water may be given. The same also reflect is respective plates.
8. **Geology and Exploration:** In the Para the exploration proposal is furnished to convert the existing exploration which is 300 grid and in G2 status to G1 but the existing boreholes is mostly terminated in limestone therefore proposal also to be incorporate to delineate the limestone deposit of existing boreholes upto full depth of the limestone . The proposal should be revised accordingly.
9. The reserves is established in 112 category and as per UNFC the code is not correct as mentioned and enclosed feasibility study report. Kindly clarify without detailed exploration, without taking surface right and not started mining activity how feasibility study has been done. The same should change to pre-feasibility.
10. **Geological plan:** During the inspection of site, it was observed that there is a Nala along the lease boundary in S-SE direction of lease just outside lease area. The blocked area due to Nala and electric lines should be shown in the plate and the Calculation of reserves as per MEMC Rules, 2015 should be revised. In geological plan the G1,G2,G3 & G4 area and lithology should be marked as per Minerals (Evidence of Mineral Contents) Rules, 2015 and the same should be shown in index.
11. All the plates should be index properly as the features shown in the plan with the same colour code for clarity and signed with date.