

SCRUTINY COMMENTS ON DRAFT MINING PLAN IN RESPECT OF SALHAN-BAGDA LIMESTONE MINE (AREA-104.05 ha.) IN VILLAGE BAGDA, SALHAN, DISTRICT RANCHI, STATE JHARKHAND OF M/S J.S.M.D.C. LTD. SUBMITTED UNDER RULE-17(1) OF MCR, 2016.

- (1) As per Qualified Person and the consent letter/undertaking/certificate from the applicant, the document has been submitted under Rule 17(1) of MCR, 2016, where as the Managing Director, J.S.M.D.C. Ltd. document has been submitted under rule 17(2) of MCR, 2016. Justify the rule under which the document has been submitted for approval as no mining plan has been approved since grant of the lease. Accordingly, rule may be furnished in the document.
- (2) Ultimate boundary (Page 2xii): The name of the quarries fall in zone-I and zone-III may be corrected.
- (3) The consent letter/undertaking/certificate from the applicant are not as per the guidelines. Rule no. in the consent letter may be corrected.
- (4) More photographs of the existing quarries with caption may be enclosed in the document.
4. Out of total lease area of 104.050ha 102.587ha is in Forest and only 1.463ha is raiyati non forest land, where as proposal of mining is in forest area in four quarries without EC & FC may be justified.
5. Page-3: Mine was in production since 1977 till 1997-98 without having any approved mining plan may be justified.
6. Undertaking with regards to maintenance of boundary pillars as per MCR, 2017 to be enclosed. Photograph of pillars with coordinates to be enclosed.
7. Copy of Khasra Map received during extension of lease, duly authenticated by Competent Authority may be enclosed.
8. Latest analysis report of at least 10% of the total samples from NABL accredited /Govt. laboratory may be enclosed.
9. Copy of EC, FC and NOC from Pollution control board to be attached.
10. Public road crosses the lease, Safety zones along the roads may be marked on geological plan and sections leaving 10mts either side of the roads and reserve may assessed accordingly.

Status of compliance of violations pointed out by IBM:

The details of violation letter, show-cause notice etc. issued by IBM, Ranchi during the last three years & their compliance position submitted by the company may be furnished in the following table and copies are to be enclosed as annexure.

Sl. no	Letter reference with type of correspondence, like Violation letter / Show Cause Notice etc.	Violation of rule/rules pointed out	Compliance status
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Drilling and Blasting:

11. Page no. 2-xviii: (a) Type and grade of explosives to be used for blasting should be mentioned.
- (b) 16.68 kg of explosives used per hole of 32mm diameter of 1.5m depth of hole appears to be on the higher side. Explosive consumption with calculation should be furnished along with charge per hole of jack hammer drill of 32mm dia.
- (c) The unit 6 kgf/sq.m given for jack hammer drill should be checked.
- (d) The powder factor may be checked and corrected.

Financial Assurance:

12. Page 8-xxiii: Financial Assurance required under Rule 27(1) of MCDR, 2017 has not been submitted. Total area/land used at the end of plan period 8.355 ha. may be corrected. The Financial Assurance plan may also be incorporated.

13. A legible copy of the forwarding letter regarding submission of forest diversion over an area of 25.32 ha may be enclosed.

(8) The validity of explosive license enclosed as annexure XX has been expired on 31/03/2017.

Geology:

14. a) Limestone occurring inter bedded with phyllites but bands of phyllites and Lime stone not shown on Geological plan and sections.

b) As lease area is structurally disturbed and intricately folded faulted, but no structural features shown on plan and sections.

c) Geological sections wise length influence and depth continuity considered for reserve calculation do not match with bore hole data. Reserve may be re assessed based on actual field width of limestone bands in confirmation with borehole data.

d) Year wise Excavation plans do not match with borehole data.

e) Justification of Bulk density considering 2.7 and recovery factor 50% may be justified. Recovery factor and bulk density should be based on field test may be given with calculation sheet.

f) Table 1.6 to 1.12 needs to be reconciled with clear headings forest, non forest, and area applied under forest diversification under UNFC norms.

g) Top and bottom RL of all geological/physical features like quarry, bench, dump etc. in plan/section.

15. The consolidated report on exploration table -1 shows Reserve calculation of Benti-Bagda, in place of Salhan-Bagda.

PLAN & SECTION :

1. Year-Wise Development Plan& Section (2018-19):

i) Proposed borehole no. 13 in the section along 400E is not shown in the plan.

ii) The proposed dump during the year 2018-19 mentioned as proposed dump 2014-15 in the section.

2. Dump Plan& Section: RL nos. in the dump plan may be corrected.

3. Plate no.-1. (Key plan): Co-ordinates to be given and longitude and latitudes lines to be shown on plate.

4. Plate no.-3. (Surface plan): Surface plan may be prepared as per Rule 32(1)(a) of MCDR,2017. Photo of coloured boundary pillars showing coordinates to be enclosed and numbered as shown on surface plan.

5. Plate no.- (Geological Plan and Section and Development plans: Surface Geological plan may be prepared as per Rule 32(1)(b) of MCDR, 2017 structural features are not marked on Geological plan and sections. All litho units not shown on Plan/section. Development plans may be prepared accordingly.

6. Plate no.-14(Reclamation Plan): Not enclosed.
