

**Scrutiny comments in respect of Review of Mining Plan of Bhootmari Limestone Mine of Sh. V.K.Walia (32.57 Hectares) in District Sirmour, Himachal Pradesh State submitted under rule 17(1) of MCR 2016.**

1. On the cover page the word Review & Updation of Mining Plan should be replaced by Modified mining plan & it should be submitted under Rule 17(3) of MCR 2016 & Rule 23 of MCDR 2017. Necessary correction to be made in the relevant place of text. Reason for modification should also be incorporated in introduction chapter.
2. Necessary correction to be made in the relevant places of text in light of latest notified MCDR 2017.
3. On cover page correct lease period as per MMDR Amendment Act 2015 & Mine Code should be mentioned. Lease period extension order should also be enclosed as an annexure.
4. Under introduction chapter correct lease history should be incorporated i. e. lease grant date mentioned 15<sup>th</sup> June 1975 while as per deed lease was granted in the year 1985. All the introduction chapter should be thoroughly checked & correctee accordingly.
5. **Authentic lease plan with all the Khasra details of the villages duly verified by Geology & Mining department of State Govt showing the location of the lease area with DGPS coordinates of boundary pillars should be enclosed. Authentic lease plan shall be the basis for the preparation of all the plans and sections. There should not be any deviations in all the plans and sections with respect to configuration given in the lease plan.kml file of the lease area should also be submitted along with fair copies of mining plan.**
6. Under review chapter on page no. 8 why the plantation target has not been achieved.
7. Details of violation pointed out by IBM & compliance thereof has not been furnished completely.
8. Future exploration proposal should be incorporated in the light of Rule 12(4) of MCDR 2017.
9. Under geology chapter on page no. 15 new rule of plans should be mentioned in light of MCDR 2017.
10. Under geology chapter on page no. 15 it is mentioned that Surface plan & Surface Geological Plan have been prepared on scale 1:2000 while on plates 1:1000 have been mentioned.
11. Under geology chapter on page no. 15 the future exploration proposal should be given year wise.
12. Under geology chapter on page no. 16 the grid coordinates of proposed bore holes are not matching with plate no. IV.
13. Under Geology & Exploration chapter the Proved & probable reserve has been assessed without quantifying the measured mineral resource (331), indicated mineral resources (332) and inferred mineral resource (333). Qualified Person is required to show ultimate pit slope of the area. Portion of the measured mineral resources (331) falling within mineable part is to be categorized under 111 category. Similarly part of indicated mineral resource falling in mineable category is to be under probable category (121 & 122). Remaining part of 331 & 332 falling non mineable portion of the area is to be categorized under 221 (Feasibility mineral resource) and 222 (pre feasibility mineral resource).

14. Feasibility report has not been enclosed.
15. Under mining chapter on page no. 25 existing waste dump A to E have been mentioned but same not been marked of relevant plates.
16. Under mining chapter it has been mentioned that bench height shall be kept 10m while in year wise table of production bench height shown 3 to 6m.
17. Under mining chapter in text on page no. 33 & 34 at some places it is mentioned fully mechanized method & some places semi mechanized method, which is contradictory.
18. Calculation under conceptual planning should be rechecked & corrected on page no. 38 & 39.
19. Under Stacking of mineral reject on page no. 44 it is mentioned that area is selected outside ultimate pit limit while on same page it is mentioned that waste will be dumped on mineralized ground which is contradictory.
20. Correct rule of PMCP should be mentioned on page no. 54 as per latest notified MCDR 2017.
21. Correct rule of financial assurance should be mentioned on page no. 63 as per latest notified MCDR 2017.
22. Under PMCP chapter year wise table for reclamation & rehabilitation work should be given.
23. The mine is located in hill slope of the high altitude mountainous terrain susceptible for seismic & other ground movement. Hence adequate proposals should also be incorporated in the document like controlled blasting techniques, erecting retaining walls, check dams and parapet walls to ensure safe , secure and systematic mining for ensuing years
24. The correct rule of submission should be mentioned in the Consent letter/undertaking/certificate from lessee with original signature of lessee.
25. Few representative photographs showing the land use pattern of the lease area, environmental status of the area should be enclosed.
26. Latest mineral analysis report from NABL laboratory should be enclosed.
27. All the annexure should be attested by qualified persons for their authenticity.
28. A CD/Pen drive covering the entire document and plans should be enclosed at the time of final submission. An undertaking in this regards by the qualified persons that CD/Pen drive contains same documents & plates as submitted by hard copy of document & text should be given.
29. Additional comments shall also be communicated to you in case of receipt of comments from State government if any.
30. There are several typographical mistakes, which require to be corrected.
31. All the corrections marked with pencil may also be attended.
32. As per latest notified MCDR 2017; Original Bank Guarantee should be submitted at the time of fair copies submission & copy of same should be enclosed as annexure in fair copies of mining plan.
- Plates**
33. **Authentic lease plan with all the Khasra details of the villages duly verified by Geology & Mining department of State Govt showing the location of the lease area with DGPS coordinates of boundary pillars should be enclosed. Authentic lease plan shall be the basis for the preparation of all the plans and sections.**

**There should not be any deviations in all the plans and sections with respect to configuration given in the lease plan.**

34. **Mark correct positions of boundary pillar coordinates, haul roads, existing pits & contours on all the relevant plates.**
35. Precise superimposition of authentic lease plan is to be carried out before preparation of all the plans.
36. Plans and sections have not been prepared as per rule 31 & 32 of MCDR 2017.
37. Plates have not been verified by Qualified person.

**Plate No. III& IV(Surface & Surface Geological Plan)**

38. Mark correct positions of boundary pillar coordinates, haul roads, existing pits, contours, mine office and dumps on all the relevant plates.
39. Under mining chapter on page no. 25 existing waste dump A to E have been mentioned but same not been marked of relevant plates.
40. Two approach roads have been proposed for exploration in pale no. IV But how much quantity of mineral shall be obtained by formation of these roads same has not been discussed in mining chapter.

**Plate No. IVA (Geological Section)**

41. Statuary lease boundaries are not marked on sections.
  42. Haul road position have not been marked on geological sections.
- Plate No.VA to VE (Year wise Development Plan & Sections)**
43. Existing waste dumps have not been marked.
  44. On perusal of section 66' on plate no. VA; the proposed benches going beyond the ultimate pit limit.
  45. Haul road position have not been marked on respective sections.

**Plate No.VIII & IX**

46. Conceptual Plan & Financial area assurance plan not prepared as per guidelines.