

**Scrutiny Comments on examination of Modified Mining Plan with Progressive Mine Closure Plan of Mandal Mine for Garnet(Abrasive) mineral (M.L.No. 15/2000) over an area of 4.375Ha. situated near Village- Mandal Tehsil- Bhilwara, District- Bhilwara Rajasthan submitted by Smt Rama Sharma Under Rules 17(3) of MCR,2016.**

1. The chapters and paragraphs should be numbered as per guidelines given.
2. Only proposal for Garnet(abrasive) should be given in the present documents, as Quartz and feldspar are now in minor mineral. Hence on cover page and in text proposal for Garnet(abrasive) only should be given. In rider agreement with State Govt. the name of mineral is mentioned is Garnet(abrasive) not as Garnet.
3. On cover page the correct lease period, lease area in forest and non-forest, category of mine , IBM registration number and Mine code are not given.
4. The period of last approved mining plan was up to 2015-16. Hence instead of modified mining plan the present mining plan may be submitted as “Review of Mining Plan under rule 17(2) of MCR 2016” for next five year(for 2016-17 to 2020-21). Appropriate changes may be made in various part of Text.
5. In consent letter from lessee & certificate from qualified person under rule 15(1) of MCR 2016 quartz & Feldspar may not be mention..
6. Copy of lease deed should be attached with the documents.
7. Photo ID with address proof of lessee is not found enclosed.
8. Annexure no 4 -plan on GT sheet is not legible.
9. Coordinate for all the boundary pillars may be given in table on page no. 5.
10. Copy of all the violation letter/show-cause notices issued by this department with their compliance report is not found enclosed with the documents.
11. Khasra map of the applied area marking lease boundary in **different color code**, duly authenticated by State official should be enclosed.
12. Chapter 3-The details of Letter no. and date of last approval is not clearly mention and a copy of approval letter is also not found enclosed. The review of earlier approved mining plan may be given in tabular form covering proposal, achievement and remark (if achievement differ with proposal) Review for year wise PMCP proposal may also be given .
13. The item no. 3.4 is missing regarding status of compliance of violations pointed out by IBM. Give status of Violation letter issued by the department on 13/7/15 and all other violation letter with their compliance position.
14. The item no. 3.5 – It is mentioned that ‘the working were closed due to some local problems. In this Colum only closure due to any order issued by any central/state

department is to be given. The mine was suspended by the department on 17/11/2015. It is to be mention along with its compliance and copy of letter should also be enclosed.

15. Proper justification for submitting modified mining plan may be given under item no. 3.6.

16. Geology and exploration:-

- i The chapter no. should be given as per standard guidelines
- ii As stated on annexure no 6 and 7 chemical analysis report is not found enclosed.
- iii The reserves and resources are to be given only for garnet(abrasive) mineral.
- iv It is existing mine, hence reserves and resources as per previous approved mining plan should be given first, than depletion and balance reserves may be given. If additional or fresh estimation of reserves than proper justification why need of fresh estimation should be given. **BD and recovery** factor may also be shown in calculation table.
- v The reserves is not properly calculated. The justification of parameter like strike length, width and depth of mineral body considers for the estimation of category wise reserve and resources under UNFC has to be explained in detailed. The resources blocked under statutory boundary, under benches beyond UPL should also be given separately. **The necessary correction in reserves and mining chapter and other relevant chapter may be done.**
- vi The exploration proposal may include conversion of resources into reserves may be shown year-wise on geological plan and section

17. Mining:-

- i All the proposal in mining chapter is to be given for garnet(abrasive) only. Accordingly this chapter should be reconciled.
- ii The year wise layout of mine workings should also be given in brief indicating year wise working, excavation, development direction, indicating pit no. and supported with grid pattern.

18. Under Conceptual mine Planning (i.e. in the Text) the details of Conceptual Status of the pits, exploration, excavation, waste disposal, land degradation, reclamation and rehabilitation etc (five yearly as well as at the end of the life of the mine) be shown along with pit-wise ore to OB ratio, extent of dumping and the adequacy of dumping space etc
19. Chapter 7.0 Stacking of mineral reject/sub-grade materials. The nature and quantity of top soil, waste, mineral reject already stack should also be given to actual access the size and shape of proposed dump. The proposed size and shape dumping may be revised accordingly. The location of dumps may be supported with grid pattern.
20. Para 10.b- Instead of management chart, The requirement of employment potential may be given clearly and OMS may also be given.
21. In PMCP Chapter-
- i Under para 11.3.5 no. of plantation may be given.
  - ii The year wise proposal for item 6 & 7 of PMCP is to be given for every year separately.
1. Para 8.0 of PMCP the Copy of financial assurance is not found enclosed. The financial assurance co-terminus with mining plan period in favour of Regional Controller of Mines, IBM, Ajmer should be submitted in Original with a copy annexed in the documents.
- 21 Plans & sections;-
- i Location plan is not found enclosed with the documents. Hence a rout map showing the route from district headquarters and from Ajmer may be given.
  - iii Surface plan- Coordinate and FRP may be given on surface plan. Whatever shown on plan are not matching with field position. Proper survey is required to be done for depicting surface features Size of pit and dumps as some pits are filled with debris.
  - iv Surface Geological plan- for different category of reserves and UPL line different color code may be used. Dip and strike is missing. Index is incomplete. Different zone of proved , probable reserve and other resources have not been marked on plan and section based on exploration so far carried out as per UNFC norm. The lateral and depth wise extension taken for marking such zone of mineral may be detailed text part also.

- v The year wise development is not prepared as per rules and guidelines,. Benches shown in plan have not been marked bench like manners. Benches and dump should have been depicted like bench and dump manner in plates. Section for every year should be given separately.
  - vi Environment plan- The index is not matching with plan. The city/village connected by Road shown on plan is not mentioned.
  - vi Conceptual plan may be revised in view of revised proposal for garnet(abrasive) only.
- 22 Some photographs representing the mine working, boundary pillar, stacks etc. should also be enclosed with the documents.
- 23 The minor typographical mistakes/correction/omissions marked on the plates as well as text should also be attended carefully.
- 24 All the above maps/plate will be properly colour index & duly attested and authenticated with date of survey.

(Chetan Parkash)  
Asstt. Mining Geologist

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