

Scrutiny Comments on examination of Modified Mining Plan with Progressive Mine Closure Plan of Alipura Mine for Wollastonite & Grossularite mineral (M.L.No. 120/07R) over an area of 40.0Ha. situated near Village- Alipura Tehsil- Pisangan, District- Ajmer Rajasthan submitted by M/s Arvind Minerals Under Rules 17(3) of MCR,2016.

1. The chapters and paragraphs should be numbered as per guidelines given.
2. Only proposal for **Wollastonite & Grossularite minerals only** should be given in the present documents, as Quartz & Feldspar are under minor mineral category. Hence on cover page and in text proposal for **Wollastonite & Grossularite minerals only** is to be given. On cover page the lease period, Mining Plan period & category of mine are not given.
3. The period of last approved mining plan was up to 2014-15. 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 four year(up to 2019-2020) as one year already passed. Appropriate changes may be made in various part of Text.
4. Date of consent letter from lessee is more than one year old, at that time rule 17 of MCR 2016 was not in existence, fresh should be submitted. In consent letter quartz & Feldspar may not be mentioned.
5. Photo ID with address proof of lessee may be submitted afresh and not a copy from earlier approved mining plan.
6. Copy of all the violation letter/show-cause notices issued by this department with their compliance report is not found enclosed with the documents.
7. Introduction Chapter- It is stated that lease period is extended, but letter received from DMG in this regard is not attached with the documents. Letter no. and date of last approval is not clearly mentioned and a copy of approval letter is also not found enclosed. Rules given is not proper the word RQP may be replaced with Mining Engineer.
8. Chapter 1- Only proposal for Wollastonite & Grossularite is to be given. Rule mentioned is not correct, it may be corrected.
9. 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 PMCP proposal may also be given .
10. The item no. 3.4 – It is mentioned that ‘No violation is issued’ . It is not true. The violation issued by the department on 28/7/2015 for rule 12(3), 45(5)(a) & 45(5)(b) is to be mention along with its compliance and copy of violation letter should also be enclosed. Please clarify why this facts was misrepresented.

11. The item no. 3.5 – It is mentioned that ‘Nil’ . It is not true. The mine was suspended by the department on 6/12/2015. It is to be mention along with its compliance and copy of letter should also be enclosed. Please clarify why this facts was misrepresented.

12. The item no. 3.6 – The justification to submit the present mining plan under rule 17 of MCR 2016 is not given.

13. Geology and exploration:-

- i The chapter no. should be given as per standard guidelines
- ii The Statement is not clear that recovery of Wollastonite in block 1,3 and 4 is 12% and 70% in block 2, but rest 20% is intrusion and inter-burden.
- iii 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 may also be shown in calculation table.
- vi The reserves is not properly calculated. As per guidelines, the mineral reserves & Resources as per based on level of exploration. i.e G1,G2,G3 & G4 is not given The justification of parameter like strike length, width and depth of mineral body considers for the estimation of block wise, category wise reserve and resources under UNFC has to be explained in detailed. the resources blocked under statuary 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.**
- v The exploration proposal may include conversion of resources into reserves may be shown year-wise on geological plan and section

14. Mining:-

- i Reasons for non-submission of mining plan in time may be furnished as there is no approval proposal for the year 2015-16.
- ii The details of all the existing pit for **Wollastonite & Grossularite minerals** with dimension may be given here to know and easy for fresh development proposals. All the proposal in mining chapter is to be given only for

Wollastonite & Grossularite minerals only. Accordingly this chapter need to be revised carefully.

- iii The proposal is to be given in a manner to merge small pits into a large pit for proper and systematic development, as the different pits are so closed to merge easily.
 - iv 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.
 - v As the recovery factor is differ in different blocks the block wise, pit wise and bench wise ROM/ overburden excavation in tabular form should also be given. Bench wise recovery factor may be mention in calculation table. After block-wise calculation, a consolidated table will be given showing ROM, Mineral, Reject & waste etc. with ROM/OB ratio.
15. Under Conceptual mine Planning (i.e. in the Text) the concrete backfilling proposal may also be given in prospecting pit/trenches where there is no mineral identified. For minimum land degradation.
16. Chapter 7.0 Stacking of mineral reject/sub-grade materials. As per guidelines The table regarding year wise generation of top soil, reject, waste etc is not given. The nature and quantity of top soil, waste, mineral reject already stack should also be given to access the actual size and shape of proposed dump. The location of proposed dump may be supported with grid.
17. Para 10.b- Instead of management chart, The requirement of employment potential may be given clearly and OMS may also be given.
18. In PMCP Chapter-
- i Para 11.3 It is stated that maximum quantity of waste is saleable , but some reject/waste may be unsalable, proposal for reclamation of old trenches/pit where no mineral evidence is there should be given to maintain the general ground beauty of the area.
 - ii In view of above point the table given under para 11.3.5 may be revised. The year wise proposal for item 6 & 7 of PMCP is to be given for every year separately.

18 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.

19 Plans & sections;-

- I Only wollastonite & grossularite minerals are to be mentioned on each and every plan & section.
- ii 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.
- 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 as per UNFC norm..
- 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 Conceptual plan may be revised if proposal for reclamation/backfilling is proposed in old trenches/pit.

20 The minor typographical mistakes/correction/omissions marked on the plates as well as text should also be attended carefully.

21 All the above maps/plate will be properly colour index & duly attested and authenticated by RQP with date of survey.

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