

Scrutiny Comments on examination of Modified Mining Plan with Progressive Mine Closure Plan of Surawas Mine for Kyanite & Vermiculite mineral (M.L.No. 14/1997) over an area of 5.0Ha. situated near Village- Surawas Tehsil- Sahada, District- Bhilwara Rajasthan submitted by Shri Shailen Mewara Under Rules 17(3) of MCR,2016.

1. The chapters and paragraphs should be numbered as per guidelines given.
2. The Mine code and IBM registration no. on cover page is not given.
3. Address proof of lessee is not found enclosed.
4. On line Scrutiny sheet from DMG Rajasthan for all the boundary pillars should be enclosed with the documents.
5. 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 and plans. Reasons for not submitting the document in time may be explained.
6. The Consent letter signed by Moh. Iqbal and not by the lessee Shri Shailen Mewara, but it is not clear in what capacity he signed the consent letter.
7. Annexure-6 is not found enclosed with the documents, hence annexure no 6 along with Khasra map of the applied area marking lease boundary in **different color code**, duly authenticated by State official should be enclosed.
8. Chapter 2.b The name of lessee with address is missing.
9. Chapter 3-The Letter no. and date of last approval with details of plan period 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 differs with proposal). Review for PMCP proposal may also be given year wise.
10. The item no. 3.4 is missing regarding status of compliance of violations pointed out by IBM.
11. 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 01/05/2012. It is to be mention along with its compliance and copy of letter should also be enclosed.
12. Geology and exploration:-
 - i The chapter no. should be given as per standard guidelines.

- ii The physical properties along with bulk density may be given along with chemical analysis of mineral for both the mineral i.e kyanite & vermiculite separately.
 - 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 & recovery factor may also be shown in calculation table.
 - iv It is not clear why the reserves is not taken under 111 category as it is working mines and so many pit are opened as mentioned on future programme of exploration. The depth considered as 10mts in probable and possible category is not as per norms. The kyanite and vermiculite is not bedded deposit and uncertainty is more in vein deposit. Hence depth may not be considering more than 5 mts in each case. 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.**
- V The exploration proposal may include conversion of resources into reserves may be shown year-wise on geological plan and section.
13. Mining :-
- i The details of all the existing pit for **kyanite and vermiculite** with dimension may be given here to know and easy for fresh development proposals. The details given are not matched with the details given under para exploration already carried out.
 - ii The proposed production is very higher side in comparison to proposed in earlier approved mining plan may be properly justified in details, as the mine was not achieved the proposed targeted production in last plan period as stated the mine was closed since 2012. Hence the production proposal may be reconcile and appropriate changes may be carried out in relevant text and plates.
 - iii The year wise proposals should be given in details supported with Grid.
 - iv The mine is for kyanite and vermiculite not for garnet and pegmatite. 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.
14. The details given under Conceptual mine Planning (i.e. in the Text) on page no. 16 is without application of mind and very casual. 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

15. 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 waste/rejects and top soil generated during the course of mining is to be given in the below table

| year | Top Soil (cum) | | Waste/Mineral Rejects (cum) | | | Beneficiati on |
|--------------------|----------------------|---------|-----------------------------|---------|----------|-------------------|
| | Re-use/ spreading | Storage | Backfilling | Storage | Blending | |
| Already stacked | | | | | | |
| I | | | | | | |
| II | | | | | | |
| III | | | | | | |
| IV | | | | | | |
| V | | | | | | |
| Total | | | | | | |

16. The details of proposed dumping ground for top soil and waste/rejects (i.e size and height & capacity) are to be given in text and supported with grid pattern.
17. Para 10.b- The employment potential may be revised in view of change of method of mining.
18. In PMCP Chapter-
- i Under table 11.3.5 the year wise no. of plantation is missing.
 - ii The year wise proposal for item 6 & 7 of PMCP is to be given for every year separately.
 - iii Under disaster management para- Address and phone numbers of responsible person may also be given.

- 19 Para 8.0 of PMCP the Copy of financial assurance is not co-terminus with the proposal given in mining plan. Hence, 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.
- 20 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.
 - ii Surface plan- Coordinate and FRP may be given on surface plan.
 - iii Surface Geological plan- for different category of reserves different color code may be used. The amount of Dip and strike is missing. Index is incomplete. Geological cross sections are not prepared from lease boundary to lease boundary for entire leasehold area and UPL are not drawn on it. 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.
 - iv 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 .
 - v **Environment plan- Contouring**, area occupied by mine workings, covered with dumps and other feature within 60 mtr of lease boundary have not been updated.
 - vi Reclamation plan – the tree proposed 25 trees per year however in the PMCP table 50trees are proposed per years. This is contradictory statement.
 - vii Conceptual plan is incomplete it may be for entire lease period not only for present life of mine as life of mine may change. The fencing is not proposed around the water reservoir for safety.
 - viii Financial Assurance Plan-The table given for calculation of Financial assurance should also be given on plan and correlate them with actual ground condition by different colour code..
- 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 with date of survey.
