

Scrutiny Comments on examination of the Review of Mining Plan with Progressive Mine Closure Plan for Siliceous Earth` mine (ML no. 01/2001)over an area 48.70 located near village – Kapuria, Tehsil – Fatehgarh, District – Jaisalmer submitted on behalf of M/s Seema Minerals & Metals under rule17(2) and rule 23 of MCDR 2017.

1. On cover page it is mentioned that Mining plan submitted under rule 17(2) of MCR 2016 and 23(B) of MCDR 1988, instead of this it will be under rule 17(2) of MCR 2016 and 23 of MCDR 2017, as MCDR 1988 has been repealed, may also be change in all the appropriate text and certificates.
2. Copy of Financial assurance is not found enclosed.
3. The coordinate given for pillars are not verified by the State DMG official. Hence on demarcation report or any other the coordinate for the entire pillar should be verified by State DMG Officials.
4. A khasra map authenticated with State officials showing all khasra details with lease demarcation in different colour should be enclosed with the documents in support the details given.
5. This mine is A category mine, but, ambient air monitoring report / baseline data on ambient air survey has not been furnished.
6. The submitted chemical analysis report is about five year old; hence a fresh chemical analysis report from NABL may be submitted along with the documents.
7. Details of all approved mining plan/scheme etc. in chronological order should be given in tabular form.
8. Part –A Chapter 1.0 (Geology and Exploration)
 - i. The given chemical analysis report is very old i.e analyzed on 21-5-2012. Hence, fresh analysis report from NABL accredited Lab may be given with physical properties.
 - ii. The area in Hact. Already explored and area to be explore may also be given. All resources may be explored to G-1 level within next 2 years.
 - iii. The justification of parameter considers for the estimation of category wise reserve and resources under UNFC has to be explained in detailed like strike length, width and depth of ore body is considered for different category. The various UNFC codifications are also not given in geological sections and on surface geological plan.

- iv. The resources blocked under statutory boundary and under benches beyond UPL should also be given separately. The various UNFC codifications may also be given in geological sections and on surface geological plan. The reserves and resources may reconcile.
9. Chapter 2.0(Mining) The details regarding size of existing pit with number of benches and depth may be given. The year-wise table shows all the production will be taken from main pit, but in development plan there is two pit shown numbering pit no 1 and pit no3 may reconcile. The numbering of pit also not in regular number.
10. Conceptual mining – The concrete year wise backfilling and reclamation program is not given. It is also mentioned that waste generated will be used in simultaneously for backfilling, but in what use it is not clear. Simultaneous year wise backfilling proposal for mined out area may be submitted.
11. Chapter 4.0 – The quantity of mineral rejects generation are not given. The dump location should be supported with Grid references.
12. Chapter 7.0- The OMS is given based on OMS observed nearby area, it is a working mine, hence the OMS may be given on the basis of past experience of this mine
13. Chapter 8.0 the results of ambient air monitoring report / baseline data on ambient air survey has not been furnished.
14. As per guidelines The year wise PMCP proposal table is not given.
15. Para 8.6 of PMCP In the table the financial assurance for the area put for mining and its allied activities is not properly calculated. The area which is fully reclaimed and rehabilitated (by plantation or another use like original ground condition) is only considered as fully reclaimed and rehabilitated for exempt for financial assurance calculation. In this case the area (6.734hact) claimed is not fully reclaimed and rehabilitated and cannot be considered for exemption. Out of this 0.7911 hact which is backfilled and reclaimed may only be considered for this purpose. Hence the financial assurance should be given for total area shown under Colum C Hence the Financial assurance co-terminus with mining scheme period in favour of Regional Controller of Mines, IBM, Ajmer should be submitted in Original with a copy annexed in the documents.

16. Feasibility Report as per MEMC Rule 2015 may also be submitted with the documents.
17. **Key plan(plate-2):- the co-ordinates of lease area should be marked on plan it self**
18. Surface Plan.-.The surface plan is for present surface features and type of land only. The TP-4,TP-5 and TP-6 have been shown , but as per review chapter TP4 to 5 have not been not undertaken may reconcile. **The type of land is not shown in index and plans. .**
19. Surface Geological plan-. **The symbol given in index is not matched with the plans.** The UNFC code, UPL, surface features, Category of reserves, Dip and strike, 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.
20. **Plate no. 7- Environment Plan- Not prepared as per provision of MCDR 2017.** :- Present status like Contouring, area occupied by mine workings, covered with dumps and other feature have not been updated. Wind direction is also not given.
21. **Plate no 7- Conceptual Plan-** Proposals as per conceptual chapters needs to be given and shown on plan. Why dump is shown, as all the dump material will be use in backfilling. The fencing is not provided around proposed water reservoir, same may be mentioned in text also, hence, in different colour code all the proposal as per conceptual chapter may show on the plan.
22. Plate no 9 -The table given for calculation of financial assurance should also be given on plan and correlate them with actual ground condition.
23. **In all the plates index is not proper and showing all the details required on the concern plan.**
24. All the above maps/plate will be properly colour index & duly attested and authenticated with date of survey.
25. Some photographs representing the mine working, boundary pillar, stacks etc. should also be enclosed with the documents.
26. Each and every page of text and annexure should be signed by the persons who prepared the mining plan.
