

Chapter 1. General oversight & Cover Page: (a)

1. In Para 1.1 following modification to be made
 - i. Category of mine to be Furnished as A- Mechanised mine
 - ii. Five year period should have been considered from 2021-22 to 2025-26 as no approved proposals are there since 2013-14
2. The document is submitted as Modified Mining Plan under rule 17(3) of MCR 2016 whereas the reasons for modification and Period of Modification should be furnished in para 1.1.2.
3. Name of the mine to be mentioned as Perumalapadu Mica, Quartz, Vermiculite Mine
4. Para 1.3.4: Statutory Compliances like EC, SPCB approvals details to be furnished.

Chapter No. 2.0 Geology and Exploration

5. Para 2.1.2: In remarks column, details of the physiographic features & Infrastructure available in and around lease area should be furnished for clarity
6. Para 2.1.4.7 details of mineralisation to be furnished based on exploration carried out and actual field condition.
7. Para 2.2.1.5 : Mention the year in which pitting carried out
8. Para 2.2.3 : Details of Ore body Geometry to be furnished.
9. Para 2.2.5 : Future exploration proposal shall be made for balance area of 8.92 Ha.
10. Para 2.2.4.3 to 2.2.4.9, parameters considering for conversion of Resources to Reserves should be furnished.
11. Para 2.2.6: Future Exploration Proposal should have been given to dig Trial pits and drill bore holes in the existing pits, to prove the depth persistence of ore body, and in unexplored portion of lease area.
12. Feasibility report prepared is sketchy, the same should be prepared as per the guidelines of ME & MC Rules 2015.
13. Reserves and Resources should have been estimated considering the following:
 - i. Study Report of Bulk density of all minerals i.e. Vermiculite, Quartz (Para 2.2.1.13)
 - ii. Study report of Recovery % of Vermiculite in Vermiculite ore zone and Recovery % of Mica, Quartz and Feldspar in Pegmatite Zone
 - iii. Proved depth of Ore body. The pit no.2 is found waterlogged and ore continuity towards depth could not be ascertained.
 - iv. Reserves of Leased out minerals i.e. Quartz, Feldspar and Mica should be estimated instead of Pegmatite.

Chapter 4: Mining Operations

14. Para 4.1.1 : Existing Method of mining to be corrected as Manual method in place of mechanised method.
15. Para 4.2.2 year wise details of generation of Top Soil, OB, Production of ROM quantity, Recovery for the plan period should be furnished.
16. Para 4.4 to 4.6 should be modified considering the requirement of Excavator, Dumpers/ Tippers, Drilling and Blasting and Manpower with respect to Production & development Waste Management:
17. Para 4.7.1 & 4.7.3 : Details of existing dumps and Stacks in the lease area should be furnished.

Chapter 5 Sustainable Mining

18. Under this chapter nil details are furnish. In this regard it is inform that as per the provision of rule 35 of MCDR,2017, all the mining lease holders shall take all precaution carry out sustainable mining while carry out mining , beneficiation and has to achieve at least three Star Rating. Accordingly year wise proposals should be furnished to achieve the same

Chapter 6.0 PMCP

19. Para 6.1, 1.439 Ha area is considered as mined out is without any basis whereas no area is mined out so far, which should be corrected.
20. Para 6.2.2. Details of protective measures like Retaining wall, Garland drain, fencing should be furnished
21. Para 6.2.11 : Area utilised for Tailing dam is stated as 0.03 Ha is incorrect as there is no construction of tailing dam is there in the plan period.
- Chapter 7 Financial Assurance
22. Area is utilised for mineral storage also, the same should be considered for computation of FA.
23. Details of Financial assurance in the form of Bank Guarantee should be furnished, Date of Validity, copy of the same to be annexed.

Chapter No. 8.0 Review of Previous Proposals

24. 8.1.1: Land Use: It is noted that area degraded due to mining and allied activity is on higher side than the approved proposals, which needs to be justified.
25. Monthly and Annual returns for the review period should be submitted for verification.
26. Review should have been done from the earlier approved plan period from 2010-11 onwards for clarity.
27. No part of the format to be left blank, it has to be furnished either with 'not applicable' or 'Nil'

Enclosures:

- Log sheet in the form of Form J, should be enclosed for the trial pits carried out so far.
- Consent Letter/ Certificates and Undertakings from Lessee should be submitted on Original Letter head of Lessee.
- Copy of Pan card of the Qualified Person should be submitted.

PLANS & SECTIONS :

- General: (a) The land use data to be submitted in digital form (Geospatial data). The land use patterns, feature type and file type required are broadly classified and given below:

Sl. No.	Land use information	Format	Remarks
1.	Mining Lease Boundary	.shp or .kml file	Feature type polygon
2.	Pit area	.shp or .kml file	Feature type polygon
3.	Dump area	.shp or .kml file	Feature type polygon
4.	Stack yard	.shp or .kml file	Feature type polygon
5.	Tailing dam (if applicable)	.shp or .kml file	Feature type polygon
6.	Reclaimed and Rehabilitated land	.shp or .kml file	Feature type polygon
7.	Afforestation area	.shp or .kml file	Feature type polygon
8.	Others – Road, railway, Infrastructure, processing plant etc	.shp or .kml file	Feature type polygon
9.	Boundary pillar co-ordinates in serial order (Latitude and Longitude in Deg Min Sec)	Excel	In WGS-84 datum

The Shape file should contain the Land use information as attribute data.

- Surface Plan :
 - Date of survey be mentioned, Ground Control Points to be depicted
 - Geological Sections :
 - UPL, Nala/ Canal to be marked properly.
 - Year-wise production & development plan :
 - Plans and Section should be submitted in 1 in 2000 scale for clarity.
 - Color photographs should be enclosed as annexure for easy reference pertaining to Lease Boundary Pillars, Working Pits, Afforestation, Ground Control Points
 - The final document shall adhere to the conditions stipulated in COM circular 1/2021 & FAQ on format of Mining Plan issued vide COM circular no.1/2021 dated 08.09.2021.

In view of the above comments relevant para, plans and sections shall be suitably modified.