

Scrutiny comments on Review of Mining Plan including Progressive Mine Closure Plan in respect of Sarwar Garnet mine (ML No 63/03) over an area of 4.9954 hectares near village- Sarwar, Tehsil- Sarwar, District- Ajmer submitted by M/s Brothers Minerals Pvt. Ltd. under rule 17(2) of MCR 2016 & 23 of MCDR 2017

1. The correct rule under which the document has been submitted should be mentioned on the cover page and in the submitted document.
2. Supplementary lease deed up to the extended lease period as per MMDR Amendment Act 2015 has not been enclosed.
3. IBM registration number is incorrect. The correct registration no. should be given in the document.
4. The submitted document is mentioned as 'Review of Mining Scheme' instead of 'Review of Mining Plan'. The same should be corrected.
5. Chapters and sub chapters have not been prepared as per guideline for preparation of mining plan. The document should be prepared as per the as per guideline for preparation of mining plan.
6. It has been mentioned on page no. 10 that the lease area plan of earlier approved mining scheme is not seems of the lease area. You are advised to prepare the Plans and sections as per boundary pillars verified by the DMG and also observed during the inspection and make necessary correction in the text and plans wherever needed.
7. The certificate to be given by the lessee and mining engineer should be as per the guideline for preparation of mining plan.
8. It has been mentioned that 'the lease period extended under rule 9 of RMMCR 2017' in the Introduction Chapter. The same should be corrected in the submitted document.
9. The reserves are not properly calculated. The justification of parameter like strike length, width and depth of mineral garnet has been considered, needs to be clarified. The assessments of reserve/resources in the lease area need to be done on verifiable parameters. The reserves are to be re-calculated on the basis of parameters to be taken for categorization of reserves under UNFC norms. The same should also be incorporated in the PMCP.

10. Under the heading Future exploration programme, the programme for exploration of the whole area up to G1 level as per the rule 12(4) of MCDR, 2017, should be given. The year-wise programme of exploration should be given as per the Mineral (Evidence of Mineral Content) Rule, 2015 in the following format:

Name of prospecting /exploration agency-	
i) Address-	
ii) E mails-	
iii) Phone /fax etc-	

FUTURE EXPLORATION PROGRAMME						
Year	UNFC axis	Area covered	No. of boreholes (Core/RC/DTH)	Grid interval	Depth(mRL/Level)	Total meterage
	G1					
	G2					
	G3					
	G4					

Under the heading Reserve & Resources as per UNFC, the following information should also be given:

Geological Axis :--	Depth (mRL/Level)	Area	Resource (Tonne)	Grade
For G1 - Detailed exploration				
For G2 - General Exploration				
For G3 – Prospecting				
For G4- Reconnaissance				

FEASIBILITY AXIS :--	
Feasibility of mining	
Area considered non mineable under various items	
Mineral Reserves/ Resources Blocked /Non Mineable Category	
In G1 category in tonnes	
In G2 Category in tonnes	
In G3 category in tonnes	
In G4Category in tonnes	
Enclosed feasibility report	

ECONOMICAL AXIS	
Cost of production per tonnes of mineral estimated	
Average Ex- mine price for last three year period	
Comment on Economic viability	

the following information should also be given:

- (i) The reserves depleted during the last 5 years
- (ii) The reserve added after exploration during the last 5 years
- (iii) The final reserve & resources figure as per the table given below:

	UNFC Code	Quantity in tonnes	Grade
A. Total Mineral Reserve			
Proved Mineral Reserve 111	111		
Probable mineral Reserve	121 and 122		
B. Total Remaining Resources			
Feasibility mineral Resource	211		
Prefeasibility mineral resource	221 and 222		
Measured mineral resource	331		
Indicated mineral resource	332		
Inferred mineral resource	333		
Reconnaissance mineral resource	334		
Total Reserves + Resources			

11. The size of proposed exploratory trenches is not justified. The proper size of the exploratory trenches should be given in submitted document.
12. A proper conceptual plan covering basic and long-term design features of the mine including exploration, mine development, optimum exploration and utilization of the mineral, waste handling, reclamation and rehabilitation, afforestation and protective work for environment etc. should be furnished. All the above activities should be furnished year-wise mentioning quantities involved and area to be covered for the ensuing year period.

13. Under PMCP Chapter: The proposal of retaining wall & garland drain all along dumps & subgrade mineral dumps should be incorporated.
14. Lease boundary pillar coordinates to be given on Surface and Geological Plan.
15. Plate 7 Environment plan - The entire feature required under the rule including nearby granted leases may also be shown. Existing contours outside the area and within 500m from the lease boundary have not been marked.
16. Table showing computation of financial assurance area is incorrect. The same should be reconcile and corrected and also corrected on Financial Assurance Area Plan.
17. Financial Assurance of Rs five lakh should be submitted and it should be coterminous with the time schedule of the concrete proposals for reclamation and rehabilitation of land affected due to mining & allied activities as per rule 27 of MCDR,2017
18. The entire document and plans should be submitted in soft copy by e mail in PDF format. An undertaking may also be given that the documents in hard copy & in soft copy are same.
19. The Index of Chapters is incorrect the same should be corrected.
20. The enclosed annexures with the submitted document are not legible. The legible copies of the annexures should be enclosed.
21. The units of the figures given in the tables should be marked in the submitted document.
22. There are certain omissions, deficiencies in the text and plates. Some of them are marked in the text & plates. Some mistakes are noticed in the text. The person preparing the document should ensure proper reconciliation before submitting the final copies.
23. Each and every page should be signed by the person preparing the document.
