

**The Scrutiny Comments on examination of Review of Mining Plan with Progressive Mine Closure Plan of Rajmahal Mine for Garnet, Mica, Quartz & Felspar mineral (M.L.No. 03/1999) over an area of 4.7585Ha. situated near Village- Rajmahal Tehsil- Deoli, District-Tonk Rajasthan submitted by M/s Ansari Brothers Garnet Works Under Rules 17(2) of MCR,2016.**

1. All the certificate and undertaking is signed by Sh. Salamat Ali as a partner of Firm, but authorization to sign the mining plan, certificate and undertaking is not provided in the document.
2. Copy of lease deed may be enclosed with the documents.
3. Copy of Environment clearance is to be enclosed.
4. The working is proposed in Charagah land, hence copy of permission to work in Charagah land should be enclosed.
5. Feasibility report is also not found enclosed.
6. Para 2.the coordinate given under table is not matched with the coordinate provided in annexure 3. It may be checked and corrected all the relevance places.
7. **Para 3.3(Review of earlier approval proposal)**

- I It may be clarified that after recovery of Garnet from ROM, remaining is waste or reject. If reject than grade may be given.
- II Para 3.g Unit in achievement is missing and figures given for precious and abrasive are different than the earlier figure submitted to this office. It need to be reconciled.
- III Para 3.4 it is stated that complied. Instead of complied statement it may be mention that compliance report/reply is submitted.

**8. Under Geology & Exploration chapter:**

- a) Para 1.c Garnet (Abrasive) is mentioned and recovery of precious variety is given which is contradictory.
- b) The type of deposit as per Mineral (Evidence of Mineral Content) Rule, 2015 rule is not mentioned.
- c) Para 3.5 D the statement is not clear.
- d) In future exploration programme the depth may be kept till Mineral (Garnet ) encountered. These proposals should be incorporated as per Rule 12(4) of MCDR 2017, and parameters of exploration need to be as per MEMC Rule 2015.
- e) Para 1.j the reserves status of pegmatite is not given.
- f) So many places the term Abrasive garnet is used, it may be corrected at all the relevance places.

- g) Under Sub heading (i): Under this sub 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-	

The table given for future exploration is not clear depth is given for PBH where trenches is proposed for exploration.

Table no 7(b) is also not clear that how much trenches is proposed and what depth is to be taken.

		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 Subheading (j) : Under this subheading The fresh calculation of Reserve & Resources as per UNFC, the following information should also be given:

Geological Axis :-	Depth (mRL/ Level)	Area	Resource (Million Tonne)	Grade
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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	

Under subheading (k): under this sub-heading the following information should also be given:

The recovery mentioned in UNFC table may be corrected. The breakup of precious mineral and abrasive verity may be given separately.

## 9. Mining:-

- i The no. of existing pit may be checked.
- ii In production table recovery factor may be mentioned separately for precious and abrasive variety of Garnet..
- iii In reject and waste table under mining and other chapter the common term may be used either reject or waste.
- iv The year wise proposals, should be supported with Grid.

10. Financial assurance table-the total of net area is not given. Financial assurance in form of original Bank guarantee as per MCDR 2017 coterminous with mining plan validity in favour of Regional Controller of Mines, IBM, Ajmer should be submitted to this office and copy of the same should be enclosed as an annexure in the fair copies of mining plan.

## 11. Plans &amp; sections:-

- i The name and signature of surveyor/ draftsmen who prepared the plans are not given in any of the plan.
- 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- all the existing pits have not been marked. The present size and shape of pit may be rechecked.
- iv Surface Geological plan-. The geological strata are not properly shown, Garnet is mentioned but this is garnetiferrous mica schist. Phyllite is not marked. The sections are not clear and properly matched with the plans.
- v The year wise development is not prepared as per rules and guidelines,. Benches shown in plan have not been marked bench like manners
- vi Conceptual plan is not found enclosed.
- 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.

23 Some photographs representing the mine working, boundary pillar, stacks etc. should also be enclosed with the documents.

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

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