

SCRUTINY COMMENTS ON THE DRAFT SCHEME OF MINING OF BASAVESHWARA IRON ORE MINE (M.L. NO. 1611) OF M/S SHREE MARKETING CORPORATION, OVER AN AREA OF 10.52 HA (10.30 HA AS PER THE CEC SKETCH) IN VILLAGE RAMANADURGA R. F., SANDUR TALUK, IN BELLARY DISTRICT, KARNATAKA STATE. SUBMITTED UNDER RULE 12(3) OF MCDR, 1988- PRIVATE/RESERVE FOREST /NON- CAPTIVE/ CATEGORY - A(OTFM)/PERIOD OF SOM - 2016-17 TO 2019-20.

#### Cover Page & General:

1. On cover page, the validity of ML period as per the MMD&R (Amendment) Act, 2015 may be indicated.
2. In the introductory part, it is given that the ML was renewed for 20 years from 18.6.1999 to 17.6.2019, but as per the New amended MMD&R Act, 2015 the period of ML has not been mentioned. The method of mining is mentioned as semi mechanized mine, which should be corrected as A (OTFM-other than fully mechanized mine). There is no semi-mechanized mine category exist as of now.
3. In table-no.5, the R & R work under progress is furnished with years of completion, it is expected to furnish in financial year of all the activities.
4. In annexure-No. IV, the mine name and the lessee's detail should be given.
5. In annexure-No. VI, the ID of shri R.D. Choudhary is not legible, same should be replaced with legible one.
6. In annexure. No. XII, the trial pits details furnished without mentioning the name of the mine & the lessee for reference.
7. Copy of the old bank guarantee is not enclosed along with the new one.
8. The report on environment data for four seasons has not been enclosed.
9. The photographs of the mine, revealing the old mine workings, stacks, infrastructure, R & R work etc., if any, may be brought out for reference.

#### PART-A :

10. In para 1(e), it is given in the year 2013, 15 nos. of trial pits have been made, and proved upto 3m depth over an area of 7.5 ha and demarcated in the ML area, but in the para 3.5, it is given, as per supreme court order, mining operation were suspended w.e.f 29/7/2011, if it is so, how the exploration work under taken may be explained. Besides, there was no intimation to IBM about the same in form-J, without which the authenticity of the data are not in true sense.
11. In table-no.13, summary of the proposed & achieved exploration given without indicating the year.
12. In para 1(i), under future exploration, only four trial were proposed is not appropriate, which must be increased to at least 10 nos. of trial pits to know information at depth and with few bore holes of RC drills.
13. In para 1(j), the bulk density taken for calculation of reserve is 3.5t/ cum for iron ore is on higher side, the floats seen in the area reveals of Rudy type and at places, insitu type. Therefore, the bulk density considered is not acceptable, it should be anything within 3t/cum., and 2 t/ cum of waste.
14. In table-16, detailed summary of geological reserve/ resources furnished as on 20/4/2016 is not appropriate. What was the previous documents reserve/ resources reveals may be indicated and from that what was the reserve depleted till date and what is the reserves/ resources added if any, before suspension of mining or afterwards may be dealt accordingly, then the latest reserves / resources should be brought out may be to be appropriate.
15. In table-17, the calculation shown need to be attended based on the remarks given above on BD factor. In the light of the above remarks, the other paras & the related tables upto 30 may be suitably attended and corrected, wherever applicable.

16. In para 2A(a), the proposal drawn to back fill concurrently in the worked out/ exhausted area is not appropriate to take up immediately in the 1<sup>st</sup> year itself. After thorough examining and advancing the excavation for some extent and preserving the waste separately till such time, later it can be used for back filling. The remarks given in the development & production plan may be checked and accordingly, the proposals may be attended. Para 2( e), may be attended.

17. In the same para above in page-33, it is given that mine will operate through open cast semi mechanized method, other than fully mechanized category-A is not correct, the present method is A(FM-fully mechanized/ A(OTFM-other than fully mechanized mine & B-category mine, but as per your proposal, it is fall in A(OTFM). In the light of the above remarks, the text paras to be attended accordingly, wherever applicable.

18. In para 2(f), intable-37, where proposals has been drawn upto 2028-29, but in the introduction chapter, validity of lease period is given up to 2019, without having the validity of lease period, there is use in giving the proposals. The para should be attended suitably.

19. In para 8.6, table-49, need to be attended wherever applicable.

#### PART-B- PLATES:

20. **Key Plan (Plate no.1A):** The approach road to the ML area is not shown on the plan with approximate distance from the known place for reference.

21. **Surface Plan (Plate no.3):**The R & R work which is under progress in the mine is not brought out in the surface plan. Only three trial pits brought out through photographs and enclosed in the text, but some of the other trial pits were not seen in the ML area. Continuity of approach road to the different pits is not made.

22. **Geological Plan (Plate no.4):**The R & R dry wall shown in the geological plan should have been brought out in the surface plan, instead of this plan. The trial pits shown in the plan reveals of same size without any difference, instead of what is the existing position of the trial pits in the ML area should be shown. The ultimate pit limit indexing and the one shown on the plan are different. Some of the locations reveals massive andinsitu which are not brought out accordingly, this shows that the surface mapping has not done properly.

23. **Geological section (Plate no.5):** The geological sections drawn showing the deposition with uniform thickness, without any difference between G1 scale of exploration area and the G3 scale of exploration area. But, how the difference arises from the sections may be explained. The ultimate pit slope is not drawn. Why no bore holes of RC or DTH proposed to drill at least on the higher elevations may be explained.

24. **Development & Productionplan (Plate No.6A):** The proposals drawn to develop and produce iron ore for the current scheme period may be modified without proposing concurrent back filling. Possibly that proposals may be undertaken in the 2<sup>nd</sup> year onwards, if the bottom of the working pits proved to be deposition less than three meters deep. Besides, the proposed workings may be drawn from the top mRL for better mineralized factor. In the light of the above remarks, the

25. **Conceptual Plan & Section (Plate No.9):**The conceptual plan & section should reveal what is the area undergone mining during the mining operation and what is the area that is going to be back filled though waste materials and what is the area that is going to be converted as water pond may be brought out, but the present submission does not reveals as such.

26. **Environment Plan (Plate No.10):** The other ML area of other lessees demarcated in the buffer zone, without indicating the name of the mine or the village for reference.

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