

SCRUTINY COMMENTS ON THE REVIEW & UP DATION OF MINING OF JAMBHUNATHA IRON ORE & RED OXIDE MINE OF M/S GOGGA GURUSHANTHAI AH & BROS., M. L. NO. 2522, OVER AN AREA OF 43.91 HA, AS PER AS PER CEC, 42.90 HA AS PER LEASE DEED IN NEB RANGE VILLAGES, SANDUR TALUK, BELLARY DISTRICT, KARNATAKA STATE. SUBMITTED FOR APPROVAL UNDER RULE 17(3) OF MCR, 2016. REVIEW PERIOD FOR THE YEAR 2019-20. CATEGORY OF THE MINE IS A (FM- FULLY MECHANIZED), OPEN CAST MINE. NON-CAPTIVE, NEW RANGE RESERVE FOREST, LAND. DATE OF EXPIRY OF THE MINING LEASE IS 31/03/2020.

TEXT:

1. On the cover it is required to indicate the mine code and the date of 1st grant of ML. The rule indicated needs to be under rule 17(3) of MCR, 2016.

2. Introduction: The present submission of review of mining plan under rule 17(2) of MCR, 2016 need to be added with any other changes that is included may be dealt with for clarity of the present submission. (i.e), changes like addition of reserves/ resources, production development etc., in addition to the previous approval. Besides, addition of reserves/ resource on the new threshold value of +35% Fe, if any may be explained.

3. Para 1(f), the name of the qualified person, instead of recognized person may be corrected.

PART-A

4. Para 1(a)(f), the surface plan and geological plan prepared and enclosed needs to be attended as per the remarks furnished in the scrutiny remarks.

5. Para 1(J), the threshold value / cut off limit furnished for +45%Fe of iron ore, but as per the new threshold value of +35%Fe need to be re-assessed in the ML area, if anything available.

6. Table no.14, as per UNFC guidelines, under geological axis G1, wherein the exploratory drill holes were done within 100m interval, if it is so, what is the reserve/ resources established under +35%Fe grade siliceous ore if any may be updated accordingly.

7. Para 1(k), under detailed calculation of reserves/ resources, nothing touched up on the new threshold value of +35%Fe grade ores present in the ML area, may be explained.

8. Para 1.0 (j): the addition and depletion of reserves & resources after the last approved document may be given with clarity and in particular giving the +45%Fe & +35%Fe and BHQ/ BHJ separately. Give reserves and resources also separately with clarity.

9. Table numbers 18, 19 & 20 need to be attended and updated based on the above remarks.

10. In feasibility report, under economic axis, it is given reserves are calculated for +45%Fe as threshold value, but not on the +35%Fe, which ought to have been. In the light of the above remarks, the text and the plates may be attended, wherever applicable.

11. Para 2A (a), the present method of excavation, wherein the height & width given as -6-7m height & width of 7m to 9m, but in the table no. 21, it is given 7-9m height & 5-6m width, which is not appropriate and correct. This should be attended and modified by changing the height to width, by reducing the height & increasing the width of the benches for safe and systematic mining. Similarly in the proposed method of working/ excavation, should be proposed accordingly, what is indicated need to be corrected. Further, the slope of the faces, direction of advancement, approach to the faces & specification of roads, etc to be given & marked. Also, the existing dumps spread parameters, height, slope protective works etc., discussed. In the light of the above remarks, the following paras and tables need to be attended in line with the above remarks.

12. Para 2A (II), under dump re-handling, no proposals for the year given, even if it is not proposed, but what is the available quantity of subgrade materials or recoverable material's in the dumps/ stacks present in the ML area may be furnished for future records.

13. Para 2(c), need to be attended appropriately wherever applicable in relation to the remarks given para 2A of this chapter for better future systematic workings & sustainable development. Besides, the composite sections should be changed to year wise sections as the mine is A (FM-Fully mechanized groups).

14. Para 2(d), need to be attended in line with the the above remarks, as per the para 2A. (ii). In the same para , under explosives, the powder factor given is 6.8t/kg of explosives, which is found to be less and need to be checked and reconciled. The stratification is found to be soft and homogeneous and getting a better blasting will be no difficult.

15. Para 2(f), the final pit limit drawn is of temporary due to various constrains, this needs to be reassessed, by shifting the existing subgrade stacks away from the existing locations or by moving the materials through e-auctions.

16. Table no. 35 & 36, wherein, subgrade mineral dump & mineral stack yard, indicated as 1.17 ha & 3.20 ha respectively, in the present land use & up to lease period, i.e. 31/03/2020, which may be re-checked, since the stack yard are temporary and which may be brought back to the virgin area, when the ore/ stacks are removed, hence that extent of area may be changed to the non-degraded land. In the light of the above text and the plates need to be updated and modified, wherever applicable.

17. Para 4(a), the waste dumping planning need to be re-considered based on the remarks, offered in the above paras. Regarding subgrade ore considering the threshold value as ROM, if it is so, what is the method adapted to the +35%Fe is not dealt, about the usages.

18. Para 5, nothing mentioned about the usages of +35%Fe grade ores along with the +45%Fe and above grades, which ought to have been.

19. Para 7, under table no.42 may be attended in line with the guidelines format.

20. Table 43 & 45, need to be attended and reconciled, based on the remarks, furnished in the above para remarks.

21. Para 8.6, under financial assurance, the extent of the areas, indicated sl.no. 3(b), 4, 8 & 13 needs to be checked again, which may be avoided in the last column, which may be reconciled. Besides, the float

worked out area, whether, those areas are back filled with waste & afforested or what is the state. If it is partially back filled and planted, this may be brought under the column –D, and delete the financials assurance amount. In the light of the above remarks the table may be attended and modified accordingly.

PART-B

22. The rule indicated is 17(3) of MCR, 2016, but in cover page it is given 17(2), of MCR, 2016. The recognized person should be replaced with qualified person.

23. Key Plan (Plate No. 1): The approach road to the ML area with distance indicated on the plate, but not shown the location & the route with clarity.

24. Surface Plan (Plate No. 3): the approach road to the present workings for development and production faces, the roads are not demarcated. The extent of the subgrade dumps present on the SW needs to be highlighted and marked with clarity. In the light of the above remarks, the other plates may be attended, including text part, wherever applicable.

25. Geological Plan (Plate No. 4): (i). Geological plan, should be prepared as per rule 32(b) of MCDR, 2017. (ii). The ultimate pit limit line should be legible. (iii). the proposed bore holes should be legible. (iv). The ultimate pit limit marked in sections is ultimate pit slopes.

26. Development & Production Plan & Section (2019-20 Plate No.6 & 7): The proposal drawn for the year 2019-20 need to be revised by changing the proposals to work the pit along east to west, instead of the present design. The sections may be attended accordingly.

27. Conceptual Plan & Section (Plate No.9): The surface features present now will not be present during the conceptual stage, except few things, which is inevitable. During the conceptual stage, which are the areas that are undergoing /used for back filling, i.e. reclamation & rehabilitation after complete extraction of the ore body if any may be clearly dealt with appropriate notations. (ii). The area which are used for back filling with water or creating pond/ for water storage may be dealt accordingly. (iii). The existing topography will not appear during the conceptual period, which must be attended. The remarks on reclamation & rehabilitation if any may be attended suitably.

28. Annexure:

- a) Copy of the recovery analysis report for siliceous iron ore (size-wise, grade-wise).
- b) Latest season environmental monitoring data.
- c) Copy of chemical analysis report for BHQ and waste from NABL or similar accredited Lab.
- d) Relevant photographs of Boundary pillars, Bore holes locations, all the three pits, stacks, stacks, crushing & screening spot and plantations undertaken so far may be brought out.
- e) Core library established in the mine need to be sent in photographs.
- f) The copy of the latest financial assurance/ bank guarantee amount need to be attached as per the remarks given.