

SCRUTINY COMMENTS ON MODIFICATION AND REVIEW OF MINING PLAN OF KWATEGUDDA IRON ORE AND RED OCHRE MINE OF M/S GOGGA GURUSHANTHIAH & BROTHERS M.L. NO. 2586, OVER AN EXTENT OF 15.25 HA (AS PER CEC) 15.10HA (AS PER LEASE DEED), IN JOGA RESERVE FOREST, IN JOGA VILLAGE, HOSPET TALUK, BELLARY DISTRICT, KARNATAKA STATE. SUBMITTED FOR APPROVAL UNDER RULE 17(3) OF MCR, 2016. PRIVATE/ CATEGORY-A(FM- FULLY MECHANISED /OPENCAST/NON-CAPTIVE.FOR THE PERIOD 2017-18 TO 2020-21.

COVER PAGE

1. Though the expiry of mining lease period given, but as per the amended MMDR, Act, 2015 may be indicated.

GENERAL

2. The date of grant of working permission may be given correctly. Besides, about the history of events since 13.2.2004 up to the year 2016-17 may be given appropriately. (ii). The reasons may be detailed for seeking the modifications for the remaining period of four years of proposals (i.e., 2017-18 to 2020-21). Further the planned period is indicated as 2016-17 to 2018-19 for approval is not appropriate.

3. Page no. 3: Para 1: The initial of Sri Sarabaiah may be given correctly.

4. Page no.9 &10: Para 3.3(i): Exploration: The year-wise proposals of the approved Scheme of Mining may mention correctly. As per the field observations, five core boreholes were shown for having drilled for the year 2016-17 (i.e. in Feb.2017). No DTH drill holes have been drilled. Therefore, the table no.7 may be corrected accordingly. The same may not be shown in the related plates.

5. Page no.10: Para 3.3(ii): Excavation: The details of development of benches during the year 2016-17 may be narrated.

6. Page no.12: Para 3.6: The specific reasons with justification may be given for seeking modifications.

7. Table-9A, the R & R status given upto 25/2/2017, may be revised to 31/3/2017, similarly in the implementation of R & R progress as on 1/3/2017 may be revised up to 31/3/2017.

PART-A

GEOLOGY AND EXPLORATION:

8. Page no.18: Para 1(e) (IV): The expenditure incurred may be given year-wise for the exploration work carried out in the ML area as on date.

9. Para 1(i), under future programme of exploration, as given in table-10 is not appropriate, it should be changed to drill bore holes, instead of trenches, to confirm the mineralization for reef-3. In the light of the above remarks, the text and the plates may be attended, wherever applicable.

10. Para 1(l)©, wherein it is given no mineral is blocked due to pillars, other statutory barriers, etc., in the same para, due to 7.5m safety barrier mineral will be blocked on northern side. The para need to be attended suitably.

11. Table-13 should be updated as on 31/3/2017, instead of 21/3/2017.

12. Para 2A (a), under mining, the existing and the proposed method of mining operation should be described in brief with clarity. It should not be present & the proposed method. In the existing

method, only one pit was in the mining operation, but in the proposed both the pits 1 & 2 are put to use for mining operations, which should be described appropriately. Besides, it is mentioned that, the ore will be dispatched to buyers as per the requirements, instead of mentioning, that the finished ore will be dispatched through e-auction. Further, the slope of faces, direction of advancement, approach to the faces & specification of roads, etc to be marked. Also, the existing dumps spread parameters, height, slope protective works etc., to be marked. The bench wise, mRL wise, opening reserves, exploitation and the closing balance should be furnished for the proposed periods.

13. Para 2(b), it is given, the excavation is proposed in the existing pits P1 & P2 to be worked from top to bottom and proposed to merge both the pits to single pit up to 861mRL and advancing from north to south direction. Besides, what is the mRL from top bench in pit No.1, wherein it is proposed to be moved towards the bottom bench to the pit No.2 may be indicated.

14. Para 2(d), under blasting the powder factor indicated as 5.35t/kg of explosives is found to be low, this needs to reconcile, generally it should come 6-7t/kg of explosives.

15. Para 2(e), under layout of mine workings, it is appropriate to work in the pit-no. 1 at the bottom and also to work in pit no.2 at the top by slicing the existing benches towards the pit no.1, so that, both the pits can be merged simultaneously. In the light of the above remarks, the text and the plates may be attended, wherever applicable.

16. Para 2(f), under conceptual mine planning, needs to be updated as per the scrutiny comments above in para 2A & 2e respectively. Further, in the same para under excavation, table-19, in column 4, instead of average depth, it is given height.

17. Para 2(f)(6a), table-21, the R & R programme, given in sl.no.5, where it is given in 4<sup>th</sup> column that to be completed within 6 yrs is not clear, from which year 6 yrs will be counted. The table no.25 should be corrected in serial numbers.

18. Para 7(b), under employment potential, the table should be presented as per the universal format.

19. The proper justification for re-estimation of Reserves/Resources and the reasons for enhancement of proved Reserves under UNFC code 111 may also be given in respect of width of ore body on the surface, depth of ore body etc.

20. Page no.66: Para 8.6: Financial Assurance: The Financial Assurance may be submitted as per the latest amended MCDR, 2017.

21. The certificates submitted by the QP must be corrected instead of RQP.

22. The list of annexures must be numbered in each annexure, how many pages for reference. Further, the annexures must be given dates pertaining to each letters for reference.

PLATES:

23. The plates 2A,2B & 2C are not enclosed along with the draft document as referred in para-2(b) of page no.8 in the text.

24. The proposed 4 DTH boreholes for the year 2016-17 have not been drilled. Therefore, the same may be deleted from all the plates where it is shown.

25. (Surface Plan, Plate No.3): The surface plan should be prepared depicting the features existing in the ML area should be brought out as per rule and also the proposed things may be shown as proposed for the future activities for reference.

26. Plate no.5: Geological Sections: The bottom RL of the drilled bore holes may be given. In Section CC', the configuration of ore body below the surface may be shown when the subsurface data is available only. Accordingly the sectional area may be recalculated for estimation of reserves/resources.

27. (Pit Layout Plan for 2017-18, Plate No.6A):The proposal made in this plate during the year reveals to work within the pit No.1 only, whereas in the text it is given as merging both pits 1 & 2, if it is so, the purpose behind the modification has no meaning. The proposals may be redrawn to work at the bottom of pit no.1, by moving the existing benches towards east up to the ML boundary and simultaneously to work from the top benches of pit No.2, through slicing from top to bottom for development & production of iron ore.

28. (Pit Layout Plan for 2018-19, Plate No.6B): The 2<sup>nd</sup> year proposals reveals the same of 1<sup>st</sup> year to work almost in pit No.1 and extending towards the western side. This must be attended to work in the pit no.1 bottom benches, but the top benches of pit no.2 should be moved towards the southern end to expose the ore body for development and production of ore. This way the top benches can be simultaneously sliced to the bottom layer, understanding the strike direction and the dip of the ore body. In the light of the above remarks, the 3<sup>rd</sup> year & 4<sup>th</sup> year development and production may be attended suitably for scientific and systematic mining operations.

29. Conceptual Plan and sections, Plate No.9: What would be position of workings at the end of the lease period/ conceptual period may be brought out and if the ore is exhausted, than what is the action taken after that, whether any reclamation and rehabilitation measures adopted by back filling with waste or creating water reservoir or pond if any along with plantations undertaken may be dealt suitably.

#### ANNEXURES:

- (i). The chemical analysis reports of latest drilled core bore hole samples have not been signed by the authorised signatory.
- (ii). Annexure-XVII:The feasibility report is to be signed by the qualified person/ the lessee.
- (iii). Drilled bore holes, should be brought out through photographs and annexed in the text.
- (iv). Copy of the latest valid Bank Guarantee may be enclosed.