

SCRUTINY COMMENTS ON EXAMINATION OF DRAFT modified MP IN RESPECT OF S.M.Block Iron MINE (ML.NO.2505) SITUATED IN Sandur TALUK and Ballari-DISTT of Karnataka state OVER AN OF 40.47 Ha OF M/s M. Hanumantha Rao.

1. **Introduction:** --- (i) Heading to be corrected with Modifications to last approved modified mining plan dated 13/8/2019 under rule 17(3) of MCR-2016. (ii) Details of other ML and PL, if any, held by the lessee in the country have not been furnished.

2. **Page no-2, Para 3.2 and para 3.6:**-- Lat. & Long. mentioned to be checked and corrected as grid coordinates.

3. **Para 3.2:**--Last approved modified MP dated 13/8/2019 is also for change of dump location. The same may also be mentioned.

4. Para 3.3:----- (i) One DTH borehole drilled during year 2018-19 has not been reflected under exploration. (ii) The deviation % of plantation for year 19-20 to be checked and corrected as + 6272 %.

5. **Para 3.4:**--The violation letter issued dated 13/2/2020 (during last inspection dated 4/2/20) and their compliance have not been discussed.

Geology & Exploration:--

6. **Para 1(c):**--- Lumps to fines ratio of ore has not been mentioned.

7. **Para 1(e) (ii) :**--- No additional exploration carried out after approval of last modified MP dated 13/8/2019 should also be clearly mentioned.

8. **Para 1(i):**-- Proper justifications have not been mentioned regarding no exploration proposals for conversion of G-2 and G-3 resources into G-1 during remaining period of modified MP (2020-21) considering UPL, width of ore bodies, remaining period and presence of temp. dumping/backfilling etc. However, the exploration shall be proposed during next review and updation of MP as per rule 12(4) of MCDR 2017 and same should be clearly mentioned. Further, details may be mentioned in text & plan in case of any exploration proposals during remaining period of year 2020-21.

9. **Para 1(j):**---- No change in reserves/resources figures except depletion of subsequent production as compares to last approved modified mining plan dated 13/8/2019 as no additional exploration carried out and no change in parameters considered for estimation. These aspects should be clearly mentioned.

10. **Para 1(l):**-- Foot Note of final reserves/resource table as per universal format may be mentioned below table No-10.

Mining:--

11. **Para 2(a):**-- Reasons for change in location of workings as compared to last approved Modified MP should mentioned with justifications.

12. Para 2(b):-- (i) Only Hematitic Iron ore production proposed during remaining period of year 2020-21 should be also clearly mentioned. (ii)Foot note below table no 13 may be given as per universal format with indicating that production shall be within CEC's permissible annual production limit.

(iii) The ore volume of eastern block mentioned at table No. 12 may be checked and reconciled including ROM to waste ratio w.r.t. **Annexure-21**.

13. **Para 2(f):**-- (i) The scheme period may be replaced as **review of MP period** in this para and other relevant paras of the document. (ii) The chance of enhancement of life of mine after exploration during next **review of MP** may also be mentioned.

14. **Para 3(c):**---- The maximum and minimum depths of working w.r.t. msl during plan period and conceptual period have not been mentioned.

15. **Para 4(b) :**-- The reasons for modification/change in location temp. dumping/backfilling w.r.t. last proposals have not been discussed with justifications.

16. **Para 6(a)**:-- The beneficiation report of IMMT, Bhubaneswar already submitted at earlier approved document may be indicated.

PMCP:---

17. The rule under which PMCP submitted should be corrected as Rule 23 of MCDR 2017.

18. Para 8.3.5:--The proposed area and quantity of temp. Back-filling in western pit have not been mentioned at table.

19. Para 8.6:-- The rule under which Financial Assurance submitted should be corrected as Rule 27 of MCDR 2017.

20. The provisions of Mineral Conservation and Development Rules 2017 should be incorporated at certificate of QP instead of MCR 2016.

Annexures:

21. Enclosed BH logs should be signed by Geologist/QP.

22. **Annexure-21**:--The Grand total of volume of iron ore at eastern block is not matching. The same may be checked and corrected.

23. **Feasibility Study Report**:-- The estimated net profit per annum mentioned under economic evaluation of the report should be checked & corrected w.r.t. corresponding Annexure-I.

Plates:--

24. **Plate No. 1 (Location Plan)** :--The plan should be in visible form

25. **Plate No. 3(Surface Plan)** :--(i) This plan should also be signed by mine surveyor. (ii) Table showing DGPS co-ordinates of all corner BPs as per state DMG's lease sketch may also be incorporated.

26. Separate sections showing proposed build-up of temp. back-filling /dumping at western block have not been enclosed.

27. **Plate No-8**:-- This plan may be renamed as "Conceptual Dump Management Plan".

28. **Plate No.9 (Conceptual Plan)** :-- Conceptual land use items like proposed mine voids, backfilling and dumping should be properly reflected/shown on the plan and index.

29. **Plate No.10 (Reclamation Plan)** :--(i)Proposed temp. back-filling at western block/pit has not shown/marked on plan. (ii)Proposed plantation has not shown/reflected on plan. (iii) Proposed Environmental Monitoring stations at core-zone have not been reflected on Plan. (iv) Drilled BHs location need not necessary in this plan.
