

SCRUTINY COMMENTS ON EXAMINATION OF DRAFT Modified MP IN RESPECT OF Jambhunatha Iron Ore MINE (ML.NO.2522) SITUATED IN Sandur TALUK OF Bellary-DISTT OVER AN OF 43.91 Ha OF M/s Gogga Gurushanthaiah & Bros.

1. **Para 1(b):**-- The authorization letter regarding signing of the document on behalf of the firm has not been enclosed.
2. **Para 2(b):**-- Latitude of corner BP. No 12 should be checked and corrected w.r.t. enclosed surface plan.
3. **Para 3.2:**-- Details of approval letter of pertains to this ML should be incorporated instead of Kwategudda iron ore mine.
4. **Para 3.3:**----- (i) The overall proposed ore to waste ratio in table No. 8A is not matching and same should be checked and corrected. (ii) The achievement of plantation figures should be checked and corrected w.r.t. ARs/ mine office records.

Part-A

Geology & Exploration:--

5. **Para 1(c) :**--- (i)ML located in NEB range of Sandur schist belt should be clearly mentioned. (ii) Lumps and fines ratio of mine may also be mentioned.
6. **Para 1(i):**---- The proposed BHs should also cover main reef at depth with an aim to convert G-3 resources into G-2. In case of any technical failure of proposed BHs, separate BHs should be drilled for conversion of G-3 resource of main reef into G-2 and same should be clearly mentioned at note.
7. **Para 1(j):**-- The reserves and resources figures as per last approved modified MP should be incorporated.
8. **Para 1(k):**-- (i) The reasons for enhancement of reserves and resources as compare to last approved document should be properly justified. (ii)Bulk density considered for assessment of the reserves/resources has not been supported by relevant test reports. (iii) Recovery factor considered for assessment of reserves and resources should also be determined based on field tests conducted, actual mining & confirmed. (iv)The G-3 resources (333) may be converted into G-2 resources (332) at section II' and HH' based on influence of BH No-20 as per MEMC rule 2015. Accordingly, the mineral resources should be reconciled in this chapter.

Mining:--

9. **Para 2(a):**--(i) The reasons for modification should be properly justified. (ii) Change in site of mining operation and ore to OB ratio have not been discussed. (iii) The conclusions and recommendation part of recent slope stability study report if any have not been appended.
10. **Para 2(b):**--(i)The tonnage conversion of OB/SB/IB is not matching in table No 20. The same should be checked and reconciled in all relevant para of the document. (ii) The development and production calculation table has not been appended in support.
11. Annexures referred in this chapter should be checked and corrected.

12. **Para 2 (f)**:-- (i) The production figure for year 2019-20 should be as per present CEC's production limit only and accordingly proposal should be reconciled. (ii) The quantity of generation of waste during conceptual period is not matching at page no 43. The same should be checked and corrected. (iii) Submission of FMCP has not discussed. The proposals of environmental protective measures should be as per the FMCP. (iv) The present status of implementation of approved R & R Plan should also be incorporated at table no-29 (v) The time frame for implementation of R& R measures should be restricted to end of ML period at table no-32.

13. **Para 4 (b)**:-- The quantity of generation of waste figure for year 2018-19 should be checked and corrected.

14. **Para 8.3**:--The submission of FMCP document has not been discussed. The proposal for year 2018-19 should be as per FMCP document only.

15. **Para 8.3.5**:-- The cumulative number of plants on waste dumps, coir matting proposals and proposals of maintenance of existing R &R measures etc have not been properly reflected.

16. **Para 8.6**:-- All photo copies of BGs in support of submission has not been appended.

Part-B:--

17. The certificate of RQP should be corrected as certificate of QP.

Annexures:

18. Enclosed boreholes logs should be signed by Geologist/QP

19. **Feasibility study report** :-- The updated reserves/resources and development figures should be incorporated.

20. **Annexure-XII-H**:-- Approval letter of pertains to this ML should be appended.

21. Noise monitoring data has not been appended.

Plates:--

22. Plans should be enclosed in support of compliance of CCOM circular No- 2/2010.

23. Plate No 4(Geological Plan):--The proposed exploration should be as per scrutiny comments at para 1(i).

24. Plate No 5(Geological Cross sections):-- (i) The borehole No. 6A has not been projected. (ii) Proposed BHs should also be projected in LS. (iii) The proposed exploration should be as per scrutiny comments at para 1(i).

25. **Environmental Plan (Plate No- 8)** and **Plate No-11 (Reclamation Plan)**:-- One more Water monitoring station should also be proposed for southern side Nala.
