

Scrutiny comments on Examination of Draft modifications of the approved Review and updation of Mining Plan in respect of Jambunathanahalli Iron ore Mine (ML No. 1893) of Sri Allum Basavaraj, over an area of 31.67 Ha (as per CEC Sketch) Sandur-Hosapet, Bellary District of Karnataka State.

1. i) The mining lease grant order dated 22/8/1951 for a period of 30 years over an area of 140.23 acres is attached as Annexure-I. But no lease deed for the first Lease grant is attached. The Lease deed for the first Lease grant should be submitted.
ii) The Lease deed for first renewal was executed on 24.6.1983 granting renewal for 20 years w.e.f. 8.3.1982 and is attached as Annexure-II. However, for second renewal only a notification/order from Government of Karnataka dated 14/2/2006 mentioning the lessee has been accorded sanction for second renewal for a period of 20 years w.e.f 8.3.2002 is attached as Annexure-III. No Lease deed has been submitted for the second renewal and the lease has completed 50 years as on 8.3.2002, accordingly the lease validity will be governed by Section 8(A)(6) of MMDR Act 1957. The Lease deed for the 2nd renewal should also be submitted.

Introductory Note

2. The document includes Modification in the approved Review and updation of Mining Plan submitted under Rule 17(3) of MCR 2016 for the remaining period from 2019-20 to 07.03.2022 including Final Mine Closure Plan submitted under Rule 24 of MCDR 2017. The modification in the approved Review and updation of the mining plan should include PMCP under Rule 23 of MCDR 2017. FMCP is to be submitted separately under Rule 24 of MCDR 2017.
3. Introductory note: Pg. no-3: FMCP mentioned should be corrected as PMCP.

General

4. **The Chapters and paras of the document should be revised as per universal format**
5. General (1.0)- Pg. No 4- Mine code and Rule 45 registration under MCDR 2017 should be mentioned.
6. Name of the Qualified Person preparing the Mining Plan (1.0(e)), Pg. No-4- QP Email Id and contact no should be provided.

Location and Accessibility

7. Location and accessibility-a) Lease details (Table 4)- Lat/Long of any boundary point- It is mentioned in text "There are 24 corner pillars and lat/long values of these pillars are given in the sketch enclosed as Plate I c". No lat/long values of the pillars are given in Plate-I c for 24 corner pillars. This is to be checked and corrected both in text and related plate.

Details of the approved Mining Plan/Scheme

8. Para-3.1- Pg. No-(7)- It is mentioned in the text" The Review and updation of Mining Plan was approved by IBM, Bangalore vide Letter no 279/731/2002/BNG/1782 dated 08.11.2016(Annexure No. 10A)" It is attached as Annexure No. 10b. This should be checked and corrected.
9. Para.-3.2- Table 9. Pg. No-(7)- The para number of this chapter should be checked and corrected as per universal format. The proposed stripping ratio for 2017-18 & 2018-19 is mentioned as **1:0.47**. The proposed stripping ratio for aforementioned years is **1:0.22** as per the last approved Review and updation of Mining Plan. Table 9. should be checked and corrected.

Exploration: Pg. No-(7)- It is mentioned "No Exploration was proposed in the approved scheme of Mining' 'The last approved RMP mentions" DTH holes of 10 meters each to be drilled in the year 2017-18 & 2018-19 & the outcome of the exploration will be used for further re-estimation of reserves as well as to reassess the other activities of mining". The corrections in the text should be made and the reasons for non-compliance may be detailed.

Reclamation: Pg. No-(8)- All the reclamation related figures like Toe wall, Garland drain, Loose Boulder check dam, settling tank, stone pitching on seasonal nallah, plantation proposed for 2017-18 & 2018-19 needs to be detailed here and the reasons for non-compliance may be detailed.

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For 2017-18- TW1-206 m, TW2-150 m, GD1-280 m, GD-2-160 m, Loose Boulder check dam-10 m, settling tank-2 nos, stone pitching on seasonal nallah-400m are proposed in the last approved RMP. Plantation- 2017-18-0.171 ha-428 nos., 2018-19-0.521 ha-1304 nos. are proposed in the last approved RMP.

10. Status of compliance of violations pointed out by IBM- Pg.(9)- The para number of this chapter should be checked and corrected as per universal format. It mentions 'No Violations were issued in the last review and updation of Mining plan'. IBM Violation no KMT/BLR/Fe/44/BNG/177 to 179 dated 16/4/18 should be mentioned here along with the compliance status.
11. Indicate and give details of any suspension/closure/prohibitory order issued by any Government agency under any rule or Court of law -Pg.(9)- The para number of this chapter should be checked and corrected as per guidelines/format. Hon'ble Supreme Court , SLP no. 201080/2010(C) dated 1.07.2013 directing all mining activity to be stopped within the core zone of 1 km of Sri Jambunatheswara temple . The details of the order should be mentioned in text.
12. In Case the MP/SOM is submitted under rule 9 and 10 of MCDR 1988 or under rule 17 (3) of MCR 2016 approval of modification, specify reason and justification for modification under these rules- Pg.(9)- It mentions "Not applicable. The justification for modification under rule 17(3) of MCR 2016 may be given in details. Also, The para number of this chapter should be checked and corrected as per universal format.

PART-A

Geology and Exploration

13. The Para heading and number of this chapter should be checked and corrected as per universal format.

Mining

14. The Para heading and number of this chapter should be checked and corrected as per universal format.
15. Para-2(b),2(c)& 2(d)-Pg.16-19- The yearly excavation calculation shown for Float ore and waste i.e. Average area and depth taken in 2(b) and for text mentioned in 2(c) and for text & table 21 for 2(d) are having different figures. These portions should be checked thoroughly and corrected. Accordingly, corrections to be done on all the related plates.
16. Para-2(e) Pg-(19)- The reclamation and rehabilitation data provided in Table no.23 & 24 is not matching with the mentioned data in plates. It should be checked and corrected.
17. Para 4(a) Pg-(23)- Table no 26 should be as per the "universal format. The quantities to be mentioned in cum. It should be corrected accordingly.
18. Para 4(c)- Pg.-(23)-The Para heading of this chapter should be checked and corrected as per the universal format. The proposal for protective measures should also be included. The yearly excavation calculation shown for Float ore and waste i.e. Average area and depth taken in 2(b) and for text mentioned in 2(c) and for text & table 21 for 2(d) are having different figures. Table no-27(Year wise backfilling proposals) should be checked along with the aforementioned and should be corrected.

Progressive Mine Closure Plan

19. Progressive Mine Closure plan under Rule 23 of MCDR 2017 is not submitted with this document. Accordingly, no Financial Assurance amount calculation has been done as per Rule 27 of MCDR

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2017. PMCP should be in accordance with the approved ICFRE R&R plan of CEC and should be submitted along with the document as per the universal format.

20. The Proposal for grassing/plantation during the proposed plan period for the finally mined out areas should be included, as per the recent Hon'ble Supreme Court order.

Part-B

21. Para 9.0-Certificate/undertaking/consents- An additional undertaking from the lessee stating that the time bound implementation of CEC approved Reclamation & Rehabilitation plan and monitoring /maintenance of the protective measures already implemented, should also be incorporated under para-9. The compliance/condition of C-COM circular no 2-2010 should be mentioned here. The consent letter to be corrected as per the universal format.
22. Certificate from RQP- This should be corrected as "Certificate from QP". FMCP mentioned should be corrected as PMCP. Also, the last para here to be corrected as "The information furnished in the Modification in the Approved Review and updation of Mining Plan is true and correct to the best of our knowledge".

Annexures:

23. The copy of first lease grant deed should be attached.
24. The copy of Second lease renewal lease deed should be attached.
25. Annexure-12- The experience certificates attached shows QP name as "Subhash B Nagnoor" where as in qualification certificate and all the other parts of the document QP name is mentioned as "Subhash B Nagnur". This should be checked.
26. Copies of Violation Letters issued by Indian Bureau of Mines of Mines and its compliance thereof should be added as Annexures.
27. Copy of the Reclamation and Rehabilitation plan as approved by CEC should be annexed.
28. Annexure-13- The Reclamation & Rehabilitation compliance report annexed does not mention any date, authorised signature. A proper Reclamation & Rehabilitation compliance report with respect to the approved ICFRE R&R plan by CEC to be attached. Related photographs should also be added in Annexure.
29. All the Annexures to be numbered properly and also should be provided Pg. No. The Annexures index at the front of the document needs to be checked and corrected accordingly.

Plates:

30. In all the plates it is mentioned "Review & updation of Mining Plan, Jambunathanahalli iron ore mine-for 31.67 Ha. This should be corrected as Modification in the approved review and updation of Mining Plan, Jambunathanahalli iron ore mine-for 31.67 Ha.
31. Plate-I(b)- Key Plan- Jambunatha temple to be clearly demarcated on the plan. The plate does not clearly mention the topo sheet no with latitude and longitude of the corner boundary pillar for the lease area. No Datum details are mentioned. The above information should be shown on Plate-I(b). Also there is some manual correction done on the scale figure. This should be checked and corrected.
32. Plate-II(a)- Surface Plan- Legend shown for safety zone 7.5 m in index and the demarcation in plan is not matching. 7.5 m safety zone to be clearly demarcated in the plan for the entire lease area including 1.0 km circle radius from J.N temple.
Legend for the access road inside the lease area as shown in the index and the plan is not matching. Access road inside the lease area should be clearly demarcated in the plan.
All reclamation & rehabilitation measures like check dam, retaining wall, garland drain should be properly demarcated and visible on the plan.

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33. Plate-II(b)-Geological Plan: Area covered under G-1 level of exploration should be clearly demarcated on the plan and the legend for the same should be included in index. Also, the Geological Plan & sections should be signed by surveyor with date of survey.
34. Plate-III(a),III(b),III(c)-Production & Development Plan & Sections: i)As already mentioned above in scrutiny comment no 15, The yearly excavation calculation shown for Float ore and waste i.e. Average area and depth taken in 2(b) and for text mentioned in 2(c) and for text & table 21 of 2(d) are having different figures. These portions should be checked and corrected. The figures in the plate for proposed working & concurrent backfilling at the end of 2019-20, 2020-21 & 2021-22 should also be corrected.
- ii) The safety zone for the entire lease area should be clearly demarcated on the plate and the mine working as proposed for 2019-20 is within the safety zone, is to be ensured and demarcated accordingly in plan.
- iii) The working co-ordinates, Level in mRL. and direction of advancement should also be mentioned in the plates.
- iv) No approach roads to the working area are shown. The approach road to the proposed working is to be clearly demarcated on the plate.
- v) In Plate-III (b) the proposed working & concurrent backfilling at the end of 2017-18 is mentioned. This should be corrected to 2020-21. The proposed afforestation (2018-19) is mentioned which be corrected to 2020-21.
- vi) In Plate-III(c) the proposed working & concurrent backfilling at the end of 2017-18 is mentioned. This should be corrected to 2021-22. The proposed afforestation (2019-19) is mentioned which be corrected to 2021-22
35. Plate-IV-(Reclamation plan)-. The reclamation and rehabilitation data provided in Table no.23 & 24 of 2(e) of text is not matching with the mentioned data in this plate. It should be checked and corrected. The concurrent backfilled area for afforestation as marked in the plate and mentioned in the index is different. Year-wise backfilling with afforestation proposal to be mentioned here and this should be as per the figures in the text after checking as already mentioned in scrutiny comments 15 & 34. The reclamation plan should also be in accordance with PMCP.
36. Plate-V-(Environment Plan)- Area occupied by Mine working, Area reclaimed and afforested should also be mentioned in the plate. It should also include grassing/plantation proposal as per aforementioned scrutiny comment no 20.
37. Plate-VII- (Financial area assurance plan)- This plan should be submitted in accordance with the PMCP. Since PMCP has not been submitted with the document, this hasn't been reviewed.
- Cover Page**
38. The cover page of the document should mention "Modification in the approved Review and updation of Mining Plan (submitted for approval under Rule 17(3) of MCR 2016) including Progressive Mine Closure plan (submitted under Rule 23 of MCDR 2017). The Cover page should be corrected accordingly.