

SCRUTINY COMMENTS OF DRAFT MODIFICATIONS TO THE APPROVED SCHEME OF MINING IN RESPECT OF IYLI GURUNATH IRON ORE MINE, ML NO. 2593, EXTENT OF 20.35 HA.(AS PER THE CEC SKETCH) IN SANDUR FOREST NEAR RAMGAD VILLAGE, SANDUR TALUK, BELLARY DISTRICT, KARNATAKA

COVER PAGE

1. Approved Scheme of Mining period to be furnished in the cover page as from F.Y. 2014-15 to F.Y 2018-19 & at all places in document & plates.
2. ML no. and Mine code should be written on the cover page.

INTRODUCTION

3. The details of MLs and PLs held by the company in the State/country may be given in the Introduction chapter.
4. CEC approval letter and date is not mentioned correctly in the document.

DETAILS OF APPROVED SCHEME OF MINING

5. Para 3.3: In review of exploration, excavation, reclamation etc. all review positions may be given from F.Y. 2014-15 to F.Y. 2017-18 (up to 28.02.2018). Reason for deviations in respect of waste handling from F.Y. 2014-15 to F.Y. 2016-17 should also be elaborated.
6. Para 3.6: Justification of present modification is not found correct as copy of CEC approval letter on production enhancement is not enclosed with the document.

PART-A

7. Para 1.0 (i): In future exploration programme it is to be clarified whether proposed backfilled area has been entirely proved as mineral barren or not. Entire potential mineralised area should be explored by detailed exploration (G1 stage) in accordance with Rule 12(3) of MCDR, 2017.
8. Para 1.0 (k): Section wise detailed calculation of reserve and resources should be updated as on 28.02.2018. Justification of 100% recovery for friable iron ore may be elaborated.
9. Para 1.0 (l): Table no. 14 may be updated as on 28.02.2018.
10. Para 2 A (a): Dimensions of the existing working pits may be given in this paragraph.
 Para 2.0 (b) (I): (i) In insitu tentative excavation proposals, proposals for F.Y. 2017-18 should be given from 01.03.2018 to 31.03.2018. (ii) Achieved production and development for F.Y. 2017-18 till 28.02.2018 should also be furnished in the table. (iii) Bench wise & RL wise development & Production proposal may be given in a tabular column. The same to be represented in the respective year wise development & production plans & sections.
 Para 2.0 (b) (II): Re-handling of temporary dump in B block is proposed during F.Y. 2017-18 and 2018-19, but final dumping location and adequacy is not discussed in this para. Table 17 may be given as per the standard format

Dump Identification /No	Year wise handling in (Cum & Tons)	Estimated recovery of saleable material (Cum & Tons)	Rejects (Cum & Tons)

11. Para 2.0 (c): Actual pit and dump position for F.Y. 2017-18 (till 28.02.2018) and proposed areas for development should be mentioned (ref. page 21) in this para. It is to be clarified in

this para whether area new area has been identified for mining for enhanced production or not. Bench rectification work between section nos. C-C' and D-D' should also be included during production and development plan of F.Y. 2017-18.

12. Para 2.0 (e): Dumping & backfilling wrt UPL may be given in this paragraph
13. Para 4.0 (b): During site inspection it is observed that only approx. 60% of proposed backfilled area has been utilized for actual backfilling during F.Y. 2017-18. In view of that backfilling proposal for remaining period (up to F.Y. 2018-19) should be reviewed. It was also observed that proper terracing was not done in the backfilled area. This para may be rewritten and all the details may be furnished as required under this sub heading in page no.35.

Para 4.0 (c): Year wise sequence of build up of dumps along with proposals for protective measures may be given.

Year	Dump No	Dummping/Backfilling	Quantity proposed	Area in Ha	No of terraces	Height of each terrace	Protective measures

14. Para 8.3: In table 29, summary of year-wise proposal, void available for present backfilling is not mentioned. Similarly, proposals for F.Y. 2017-18 and actual position as on date are not updated in a complete manner.
15. Para 8.3.1: Year wise Plantation details with area, No. of saplings & their expected survival rate may be given.
16. Para 8.6: In Table 31, under sub heading of Active dump, 1.09 Ha has been considered as fully reclaimed & rehabilitated. This may be corrected & fresh Table may be prepared accordingly. No additional area for mining has been identified during the modified scheme period, please clarify. Details of submitted Bank Guarantee and validity is not updated in this para, copy of the valid Bank Guarantee should be enclosed with the document.

PART-B

17. Para 10, Plates:

- a) Surface Plan (Plate no. IV): ROM stacks positions are not found updated in the surface plan, tentative quantity of temporary dump may be removed from the plan.
- b) Pink & Purple line shown in the plate is not indexed.
- c) Geological Sections (Plate no. VI): Backfilling positions along section no. A-A' and B-B' are not furnished correctly w.r.t. the surface/ Geological plan, may be corrected accordingly.
- d) Development Plans and Sections (Plate nos. VIII a, VIII b): (i) Bench rectification work between section nos. C-C' and D-D' should also be included during production and development plan of F.Y. 2017-18. (ii) Proposed haul road from the mine pit to the backfilling area and mineral stacks should be demarcated in all plans. (iii) The direction & distance of each of the proposed faces to be marked on the plate (iv) In the document ,production is proposed in section line C,D & E. In plate no. VIII a, section has not been drawn along section line E-E'.
- e) Environment Plan (Plate No.X): Environment Management Plan may be given on a scale of 1:1000/2000 showing the year wise progress of waste dump, the garland drain,

retaining wall taking the contours into consideration. The location of the air & water monitoring stations may be shown on this plan, annexed with tabular columns.

- f) Financial area Assurance Plan (Plate no. XII): This plan is required to be prepared with the same scale of surface plan. All item heads as furnished in Financial Assurance table should be shown in the plan (outlines only).

18. **Para 11, Annexure:** Following items are required to be annexed with the document:

- a) Copy of the enhancement approval letter from the CEC.
- b) Copy of Photo ID of the authorised signatory, enclosed one is not legible.
- c) Section wise updated reserve and resources calculation (as on 28.02.2018)
- d) Copy of the analysis reports of BHQ and waste from NABL/ similar accredited laboratory.
- e) Reserve, resource estimation and Feasibility reports should be duly signed by the Qualified Person.
- f) Consent Letter /Undertaking are to be given in a standard format & duly signed by the applicant.
- g) A copy of the EC may be annexed.
- h) Few photographs of corner Boundary pillars, pit, dumps and back-filed may be appended.
