

SCRUNITY COMMENTS ON ‘DRAFT MINING PLAN’ IN RESPECT OF KIRLOSKAR BHARATH MINES (ML NO. 2245) OF M/s KIRLOSKAR FERROUS INDUSTRIES LIMITED, OVER AN AREA OF 24.47 HA. SITUATED IN NANDIHALLII VILLAGE, SANDUR TALUK, BALLARI DISTRICT OF KARNATAKA STATE

a. All the tables given in the text may be serially numbered.

INTRODUCTION

1. Break up of encroached area does not match with the total given. The same may be corrected.
2. Silent features of approved R & R plan may be removed from the introductory part and be placed in the PMCP chapter.
3. State wise leases already held may be given as per the format given below:

Lease reference no. & date	Area	Postal address/Location	Type of Mineral	Working/Non working	Status of approval of mining plan	Date of execution and Date of expiry	Remarks

GENERAL

4. Para 1(a): In this para, the details like phone no., Fax, Mobile No and E-mail ID of the nominated owner may be given.

LOCATION & ACCESSIBILITY

5. Para 2.0 (a): The reference of the table no. with respect to details of boundary pillars may be corrected.
6. Para 2.0 (b): All the details & information may be furnished as per the IBM manual on appraisal of Mining Plan 2014.
7. Para 2.0 (c): This Para may be deleted as the information furnished is not necessary in the context of Mining plan. Only required information may be furnished.

PART – A

Geology & Exploration

8. Para 1.0 (e)(ii):In table no.11 &12,additional information like dia of the borehole and spacing (grids) may be given.
9. Para 1.0 (e) (iii): Summary of the chemical analysis for major radicals may be discussed in this para.
10. Para 1.0 (j): The area under G-1, G-2, G-3 and G-4 may be given in a tabular form based on the exploration carried out in the past. The same may be shown in the Geological plan and sections as well. (ii) Detailed assessment by NABL accredited laboratory for the calculation of the bulk density of different materials may be given and enclosed as Annexure.
11. Para 1.0(k): Table no.15 may be given in a full sheet so that it is legible.
12. Para 1.0 (l): Mineral resources may be estimated based on the level of exploration, with reference to the threshold value of minerals declared by IBM in a tabular column.

Level of exploration	Resources in Million Tons	Grade
G1-Detailed exploration		
G2-General exploration		
G3-Prospecting		
G4-Reconnassance		

13. In table no.15, the mineral reserves/resources may be re-estimated as per the Minerals (Evidence of Mineral Contents) Rules, 2015 and information to be furnished as per the tabular column given in IBM manual on appraisal of Mining Plan 2014. Also the same needs to be appropriately marked on the geological plan & sections.

MINING

14. Para 2.0(a): (i) The existing details of dump indicating the location, quantity, area covered and other details may be enclosed in a tabular column. (ii) The existing details of ROM stock lying in the mines may be given in a tabular column indicating the location, quantity, area covered and quality.

15. Para 2.0(b): (i) In table no.17 & 18, extraction of siliceous ore has been proposed but there is no such discussion nor have any reserve/resources been estimated in the Exploration and Geology chapter. The same may be incorporated. (ii) Brief discussion on year wise excavation proposal and dumping proposal may be given.

16. Para 2.0(e) : (i) Bench wise, section wise detailed calculation may be furnished for the proposed production and development plan in addition to the information given in Table no.22. (ii) Pit No may also be added in Table No.22 & 23. (iii) From the field visit it was understood that the proposed OB dumping is stored on the old OB dump by forming suitable terraces. Hence backfilling may not be appropriate word and the same be corrected in all parts of the text and plates.

17. Para 2.0(e) : Para 2.0(f): (i) This Para may be rewritten in brief and summary of the conceptual mine planning up to the **end of lease period based** on available resources and reserves, method of mining, recovery, backfilling, R & R envisaged and disposal of waste may be given. Few sections of the same may be enclosed as plates. (ii) Table no.25 may be placed in the PMCP chapter.

18. Para 4.0(a): Table no.28 may be corrected as per the point No.16 (iii) mentioned above.

19. Para 4.0 (b): Para 4.0(b): (i) In this Para, it is to clearly state that the dumping ground is proved for absence of mineral supported by bore hole data. (ii) Also in this para OB proposed to dump is falling within /outside UPL is outside may be discussed.

20. Para 8.1: In table no.35, the distance of the villages from the lease area may be given.

21. Para 8.3: (i) Table no.37 may be corrected accordingly based on the point No.16 (iii) & 18 mentioned above. (ii) A tabular column may be inserted for monitoring the environment parameters in the core & Buffer zone with their respective locations and no of samplings proposed in core & buffer zone

PART-B

22. PLATES:

- Key Plan (Plate No.1b): (i) The precise area map may be named as Key Plan. (ii) The Topo sheet No. may be given. (iii) The approach road to the mines may also be marked. (iv) Based on the metrological data the predominant wind direction may be marked.
- Surface Plan (Plate No.II a): All the old dumps and ROM stocks may be numbered appropriately as given in the text in accordance with Point No.14.
- Geological Plan (Plate No.II b): Area under G-1, G-2 and G3 may be tabulated and placed in this plan.

- d) Geological Cross Sections (Plate No.II c): (i) The interpolation of the ore body in all the sections may be reviewed and ore body to be marked based on the exploration done in the past. (ii) UPL may be marked based on the past exploration data & litho log (Plate No.II d) and not based on the proposed bore holes.
- e) Production & Development Plan (Plate No.III a- III e): (i) The production and development plan may be made based on the surface plan. (ii) The geological index and other geological parameters may be deleted. (iii) Proposed OB dumping over the old dumps on year to year basis may be given in a separate plate.
- f) Production & Development Sections (Plate No.III f): The necessary correction as per geological plan & section (point No. C & d 0 may be done & incorporated.
- g) Environment Plan (Plate No.V): (i) The Environmental Plan may be drawn on 1:2000 scale. (ii) The ultimate land use pattern shown in the index may be shown on the plan.
- h) Conceptual Plan (Plate No.VI a): (i) In this plate only the details pertaining to conceptual land use pattern may be shown with outlines and the activity proposed to be conceptualised may be shown.
- i) Dump management Plan (Plate No.VI b): This plate is not necessary & may be removed from the list of Plates.
- j) Financial Assurance Plan (Plate No.VII): Detailed break up of all the activities as shown in the FA table may be given and indexed accordingly.

23. Annexure: Following items are required to be annexed with the document:

- a) The consent letter/undertaking must be signed by the nominated owner. The name of the authorized signatory may be mentioned supported by document.
- b) R & R plan prepared & approved by ICFRE may be attached.
- c) In annexure no.9, for the purpose of calculation bulk density of 3 is taken, whereas in the exploration and geology chapter it is mentioned as 3.5. Necessary correction may be done.
