

SCRUNITY COMMENTS OF MINING PLAN IN RESPECT OF AUCTIONED ML BLOCK OF BBH IRON ORE MINE, ML No. 2346, AREA 92.60 Ha, SUBMITTED BY PREFERRED BIDDER M/S JSW LTD., SITUATED IN BEDRABOMMENAHALLI, HIREKANDAVADI& OTHER VILLAGES, CHITRADURGA DISTRICT & TALUK OF KARNATAKA STATE

- *All the headings, subheadings should be replicated as per the standard guidelines as given in “IBM Manual on Appraisal of Mining Plan 2014”*
- *Name of the mine may be kept same at all places in the text, plates & annexures.*
- *All the tables given in the text may be numbered serially.*

COVER PAGE

1. Name of the document should be corrected as “Mining Plan including Progressive Mine Closure Plan”.
2. Name of M/s JSW Ltd. should be mentioned as ‘Preferred Bidder’ in the cover page.

INTRODUCTION

3. A paragraph giving the present conditions and factors considered for making the Mining Plan and the future course of action may be clearly spelt.
4. Lease area (Block wise) of erstwhile & allotted area in the auction may be discussed.
5. Statutory clearances with respect to forest and environment may be discussed in this chapter.
6. Minerals present in the mining lease of M/s MEL, as per lease deed & minerals mentioned in LOI of M/s JSW Ltd. may be discussed.

GENERAL

7. Para 1.0 (a): (i) Name of the ‘lessee’ should be corrected as ‘preferred bidder’; necessary correction should be carried out throughout the document. (ii) The details like name, phone no, fax, mobile no and E-mail ID of the nominated owner may be given.

PART-A

8. Para 1.0 (a): The temperature given in sub paragraph (Climate) may be corrected.
9. Para 1.0 (e): (i) Area mentioned under different levels of UNFC classification is different from the areas as approved in the previous approved Mod. RMP. The same may be verified & corrected at all places in the document. (ii) No of DTH holes corresponding to 5844 Mts may be corrected. (iii) The total amount spent on exploration may be verified & corrected.
10. Para 1.0 (i): Table no.1.2 & 1.2a may be clubbed as one by adding year of drilling column in Table 1.2a and be placed under this para
11. Para 1.0 (j): (i) Table no.1.2a may be deleted from this paragraph. (ii) The total mineralized area may be verified & corrected in sub para (iv). (iii) The geological reserves given in Table no.1.4 & their subsequent calculation placed at Table No.1.6& 1.6a are not matching with the last approved Mod. RMP. Also the status of Geological reserves as on may be mentioned. The geological reserves/resources of +35% Fe may be assessed and

- tabulated. The same may be corrected at all places in the document. (iv) Bulk Density of waste is considered as 2 in Table No.1.6 & 1.6a .The same may be corrected.
12. Para 1.0 (k):(i) Under reliability of estimation, cut off grade considered may be based on end use of the material and threshold value declared by IBM.(ii) The information submitted in Table 1.8 are not matching with the last approved Mod. RMP. The same may be corrected.
 13. Para 1.0 (l): The mineral reserve & resources including UNFC classification may be verified and corrected as per the last approved Mod. RMP.
 14. Para 2.0 (a): The existing dimension of the pits given is not matching with last approved Mod. RMP.
 15. Para 2.0 (b): (i) Separate table for Bulk density & recovery of each material may be given for computing the tonnage. (ii) Individual year wise production & development details may be deleted from this para & furnished under Para 2.0(c) including no. of benches proposed in OB & Ore, plantation & ore stacking locations may be given & shown in the respective plates. The respective year wise calculation may be appended below the description. (iii)The topmost mRL may be corrected for the first & second year of production & development plan in accordance with the plates at all places in the text & in annexure-XV. (iv)Annexure no. of the section wise production & development details may be corrected.
 16. Para 2.0(d): The last paragraph of 2(d)(ii) may be deleted
 17. Para 2.0(e): (i) In this para discussion on site for disposal of Overburden, ground preparation, dumping inside/outside the UPL and dumping ground proved for absence/presence of mineral may be discussed.
 18. Para 2.0(f): (i) Backfilling activity may be described with respect to area, volume, pit no. etc. at the conceptual stage as backfilling shown in conceptual land use pattern. (ii) Few sections of the conceptual stage of mining may be enclosed as plates.(iii) The year wise location of dumping site and sections may be verified & corrected in accordance with the plate No.7B. (iv)Year wise activities proposed for OB dump management may be described & tabulated instead of giving ideal conditions of dump management.(v)Year of proposed engineering measures along with the reference plate no. may be given in Table no.2.4. Similarly implementing schedule of mitigation/Engg. measures may be given by the preferred bidder year wise in Table no.2.5. (vi)The unit of indicative cost of developing green belt may be furnished.(vii) Only calculation of excavators & tippers be furnished for handling of ROM including OB. (viii) Miscellaneous equipment along with wheel loader, Excavator and tippers may be summarized indicating the dispatch activities in remarks column.
 19. Para 4.0 (a): (i) It is mentioned under this para that material below +45 % Fe will be dumped in the waste dump. As per the revised threshold value, ores having +35% Fe (siliceous ore)to be stacked separately and blended suitably as per the requirement of plant specification.(ii) Storage of mineral rejects in Table No.4.1 is given. Since there is no generation of mineral reject in the plan period, OB may be replaced instead of mineral reject.
 20. Para 4.0(b): In this Para, it has been mentioned that 6 stages of dump is proposed which is contradictory to the relevant information furnished in Para 4.0 (c).

21. Para 7.0 (b): In employment potential, 110 people are given against 109 shown in table of skill wise employment potential. Necessary correction may be done.
22. Para 8.2: (i) Mitigation measures for ground vibration due to blasting is given, whereas in the earlier part of the text, it has been furnished that no blasting is proposed in the plan period. Clarification on the same may be given. (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.
23. Para 8.3.1: In the table of year wise afforestation programme, details like survival rate, area covered, species proposed to be planted & cost may be given.(page no.67)
24. Para 8.3.5: All the details as per PMCP proposals may be furnished in Table no.8.5 & complete the same in all respect. (Ref. table 2.4 & 2.5).
25. Para 8.6: The area put on use at the start and additional area requirement may be verified and cross checked once gain.
26. Signature of the applicant in the Consent letter/Undertaking /Certificate must be in original and 9.0 may be removed from the heading. Date of submission may be mentioned in both the certificates of Part -B.

27. Plates:

Reference date of survey may be given in all plans & sections.

- a) Surface Plan (Plate no. 3) :(i) Pit No.1 & pit No.2 as stated in text may be shown in this plan and indexed accordingly.(ii) Encroached area of 3.31 Ha to be shown & indexed in this plan.(iii) Date of survey mentioned may be corrected.
- b) Geological Plan (Plate no. 4): The reserves/resources of +35% Fe (average grade) may be reassessed based on the meter wise analysis of the lithologs of the previously drilled boreholes and suitably be marked & indexed on this plan & geological section as well.
- c) Geological Cross Sections (Plate no. 5A& 5B): (i) Lithologs of the boreholes may be shown with average quality in different colours.(ii) The proposed boreholes in future may be projected and shown in their respective sections.
- d) Production & Development Plan (Plate No.6A-6E): (i) The proposal for stacking the ROM & graded stocks may be shown in this plate and indexed.(ii) The distance and direction of movement of each of the working faces may be marked /coloured prominently. (iii)Year wise proposed engineering features may be shown in the respective plates & indexed. (iv) Exploration boreholes may be removed from the Production & Development Plans.(v) The dumping proposal for the second year (plate No.6B) may be reviewed based on comments placed at (b) & (c).
- e) Section showing yearly working (Plate No.7A & 7B): (i) The interval of the Y axis in the section may be decreased and confined only till the bottom of the working pit. (ii) In plate no.7B, the 3rd year working sections drawn on section line Q-Q' may be verified and corrected accordingly.
- f) Conceptual plan & sections (Plate No.10): Few sections may be drawn based on the conceptual plan enclosed.

- g) Dump management plan (Plate No.11): (i) Year wise built up of the dump sections may be shown & indexed. (ii) Year wise engineering measures proposed for dump management may be shown on the plan and indexed accordingly.
- h) Financial Area Assurance Plan (Plate no. 12): (i) This plate may be corrected in accordance with the comments offered for para no. 8.6, text part. (ii) Year wise proposal of production & development, plantation & dumping table indexed may be removed from this plan.

28. Annexure:

- a) Feasibility study report of the deposit with economic evaluation needs to be enclosed.
