

SCRUNITY COMMENTS ON ‘DRAFT MODIFICATION IN MINING PLAN’ IN RESPECT OF NARAYANPURA IRON & MANGANESE ORE MINE, ML No. 0012, AREA 107.51Ha, OF M/S JSW STEEL LIMITED SITUATED IN NARAYANPURA VILLAGE, SANDUR TALUK, BALLARI DISTRICT OF KARNATAKA STATE

- a. All the headings, subheadings and para nos. should be replicated as per the standard guidelines as given in “IBM Manual on Appraisal of Mining Plan 2014” and information’s to be given in order.
- b. Each Chapter may be started in a new page

COVER PAGE

1. Date of grant, Execution and date of expiry of mining lease area as per the lease deed may be given..
2. Under Category, it may be given as A-FM/Opencast/Listed Public Limited Company/ captive/Private.
3. Break up of forest and non forest may be given for the ML area.

INTRODUCTION

4. In table no.1, details of working mining leases, name of the mine & present working status may be given. In case of non working, reason for the same may be enumerated.

LOCATION & ACCESSIBILITY

5. Para 2.0 (a): Period of expiry as per the lease deed may be furnished.
6. Para 2.0 (b): (i) This para may be written in order and be given as per the standard format.(ii) The distance of the GCP with reference to boundary pillar no.5 may be reviewed & corrected.

DETAILS OF APPROVED MINING PLAN:

7. Para 3.3: Review of approved proposals in respect of explorations, production, development may be given in the appended table separately, from the date of opening of the mine till 01.12.2020.(ii) Existing & proposed R & R measures within & outside the ML area may be summarized in a separate table.

For exploration:

Year	No of bore holes/ pits/trenches planned	Achieved	Deviation in %	Reasons for deviation

For Production, Development:

Year	Production/Development Proposed	Achieved	Deviation in %	Reasons for deviation

8. Para 3.6: All the reason may be enumerated for the proposed modification to the review & updation of mining plan.

PART-A; GEOLOGY & EXPLORATION:

9. Para 1.0 (e): Under details of sample analysis, findings in terms of quality of Iron ore, Hematite siliceous ore & Manganese ore may be enumerated in brief.

10. Para 1.0 (i): It is also pertinent to be mentioned in this para, if the proposed bore holes are for knowing the vertical extent of the deposit or for lateral extension of the ore body
11. Para 1.0 (j): The details furnished in table no.21 may be reviewed & corrected.
12. Para 1.0 (k): (i) Section wise, category wise reserves/resources estimation for float & reef ore may be furnished aligned to the information furnished in table no.20 & 29.(ii) Quality of BHQ may be discussed in this chapter.(iii) Depth continuity of mineralisation may be considered limited to the depth upto which direct evidence of mineralization is established as per Minerals (Evidence of Mineral Contents) Rules, 2015.The same may be corrected.
13. Para 1.0 (l):(i) Clarification may be furnished on the information's furnished in table no.27 & 28.(ii) The details furnished in table no.29 may be reviewed from the earlier approved MP ` & corrected.(iii) Lump fine ratio may be discussed in this para.

MINING; OPEN CAST MINING:

14. Para 2.0 (b): (i) Table no.33 & 35 may be removed. (ii) In table no.34 & 36, since the mining operation has been started, specific year may be mentioned at all relevant places in the text.(iii) Bulk density & recovery factor of each of the material proposed to be handled in the mine may be tabulated and given below table no.35.
15. Para 2 (c): No. of benches in OB & Ore may be specified in the no. of benches column in table no.37 & 38.
16. Para 2.0 (e): (i) In this para discussion on site for disposal of Overburden, ground preparation, dumping inside/outside the UPL may be discussed citing the reference of the section line & plate no. The dumping proposal must be aligned with the approved dump management plan by the ICFRE. (ii) Table no.51, details of dumping may be changed according to the above mentioned point & necessary corrections to be made at all relevant places in the text & plates accordingly.
17. Para 2.0 (f): Backfilling, plantation ,fencing of the worked out pit, converting into water reservoirs if any & re-grassification of the entire mined out area at the conceptual stage of mining may be proposed & few sections of the same may be given.
18. Para 4.0 (c):The location of the engineering measures proposed for dump management may be furnished in table no.58.
19. Para 5.0(a): (i)In this para ,various grades & size proposed to be sorted out in the mine may also be furnished.(ii) Physical & chemical composition requirement of end use industry for Mn ore may be briefly described.
20. Para 6.0(b):The recovery % at each of the stage may be furnished in flow diagram (a & b).
21. Para 8.1.1:The existing & conceptual stage land use pattern may be furnished in accordance with the financial assurance table at all places in the text & plates.
22. Para 8.3: Mitigation measures to control air pollution, water pollution, noise & vibration may be given in this para
23. Signature of the applicant in the Consent letter/Undertaking /Certificate must be in original.

24. PART-B: (Plates)

- a) Key Map (Plate No.1A): Access to the mining lease area may be shown.
- b) Surface Plan (Plate no. 3) :(i) Forest area & revenue area may be demarcated distinctly & indexed. (ii) Waste dumps near pit no.3 have not been identified. (iii) Infrastructures & temporary buildings may be shown & indexed.
- c) Geological Plan (Plate No.4): (i) Workings may be removed and only the geological features may be shown in this plate. (ii) Forest area & revenue area may be demarcated distinctly & indexed. (iii) Solid fill colour coding for G1, G2, G3 & G4 may be given.
- d) Geological Cross sections (Plate No.5A): (i) UNFC codes for the area considered for different categories may be prepared as per the guidelines given in Minerals (Evidence of Mineral Contents) Rules, 2015 on each of the sections line. (ii) The datum line may be fixed on the basis of maximum depth of the exploratory hole drilled.
- e) Production & Development Plan (Plate No.6A-6E): (i) The 1st year production & development plan should be aligned with surface plan & from 2nd year onwards with the previous year proposal showing the updated position of the previous year. (ii) Geological related information's may be deleted. (iii) The proposal of dumping may be corrected & redrawn as per comments placed at Para 2.0 (e)(i) including the dump sections shown. (iv)Year wise afforestation area has been indexed but the area is not marked in the plan.
- f) Production & Development section (Plate No.7A-& 7E): (i) Sections may be drawn up to the bottom of the proposed working for the plan period only. (ii) Proposed five year production & development sections may be given in one plate instead of 5 plates. (iii) The same in terms of no of benches & working mRL's may be aligned with the information furnished in the text.
- g) Reclamation Plan (Plate No.8): Year wise progress of the retaining wall & Garland drain may be shown & indexed as furnished in the text.
- h) Conceptual Plan & section (Plate No.10 & 10A): In these plates only the details pertaining to conceptual land use pattern may be shown with outlines & solid fill colours. The same may be tabulated. (ii)All the proposals furnished under para 2.0 (f) may be shown & indexed accordingly.
- i) Financial Area Assurance Plan (Plate no. 11): A detailed break up of the area of the respective activity may be given and shown only in the outlines.
