

Scrutiny Comments on draft 'Final Mine Closure Plan' in respect of Karadikolla (Suresh) Iron Ore Mine, ML No.2502 of M/s P Balasubba Setty & Sons covering 42.10 Ha of area in Karadikolla Village, Sandur Taluk , Ballari District of Karnataka State.

- All the information's may be furnished in tabular form as per the format prescribed in the IBM manual for appraisal of Final Mine Closure Plan (July 2018)
- Nil may be furnished instead of leaving the rows & columns blank

Cover page:

1. Date of grant, Execution and date of expiry of mining lease area as per the lease deed may be furnished.
2. Address of the Mining Lease holder may be furnished.

Consent letter:

3. Undertaking by the lease holder may be given in the format as prescribed in the IBM manual for appraisal of Final Mine Closure Plan (July 2018) with all necessary corrections. Date & Place may also be furnished.
4. In certificate furnished by the qualified person, Final mine closure plan including progressive mine closure plan is given which may be corrected.

Part-A & B: Introduction & General Information

5. In this chapter brief introduction of the mine since grant of ML covering the legal obligations, special conditions, prohibitory order, legal issues pending, PIL/ Court Case etc. if any may also be mentioned.

Part-C: Location & accessibility of Mine

6. Para 1.2.2: Mine code as assigned by IBM may be given.
7. Para 1.2.3: Date of grant & date of execution of lease may be given in this para.
8. Para 1.2.4: Period of lease may be furnished since the date of execution of lease.

Part-E: Details of last approved Mining Plan

9. Para1.4.1: Type of borehole proposed & carried out may be furnished.
10. Para1.4.3: The location of proposed & actual locations of excavation may be verified & corrected as per the latest approved mining plan.
11. Para 1.4.9: Total quantity of fines generated, utilized and stacked may be furnished as per the approved document.
12. Para1.4.13: The location of proposed & actual locations of OB dump may be verified & corrected as per the latest approved mining plan.
13. Para 1.4.18: Fencing of the lease area has been proposed in the modified RMP. The same may be corrected accordingly.
14. Para1.4.22: Location of the settling pond may be furnished.
15. Para1.4.24 -1.4.26: Point wise action taken against the proposal may be furnished along with the summary of the quality parameters.
16. Para1.4.28: In the proposed area and the actual area put to use in last approved MMP may be furnished.

Chapter-II: Geology & Exploration

17. Para 2.2.2& 2.2.3: The details furnished may be provided as per the format prescribed in the IBM manual for appraisal of Final Mine Closure Plan (July 2018)
18. Para 2.2.5: In this column maximum depth drilled against each of the geological axis including area unexplored, non mineralized area & total depth may be furnished.
19. Para 2.4: Brief details regarding preservation of cores, etc. obtained while exploration within the lease area should be given as prescribed under Rule 63 of MCDR,2017.

Chapter-III: Mining

20. Para 3.1: (i) The total quantity of overburden/waste proposed to be generated may be given in Tons & accordingly the ore to OB ratio may be corrected. (ii) The quantity of fines proposed to be generated as per the lump fines ration may be calculated & furnished in table (b).

Chapter-IV: Stacking of top soil, Mineral Reject, Fines, Tailings/Slimes & their disposal

21. Para 4.1: (i) Details of existing dumps & mineral stacks may be furnished in the prescribed format only. (ii) The total area mentioned in this para with regard to OB dumps is not matching with the information furnished in para 1.4.28. The same may be corrected. (iii) All the quantity units may be furnished in Tons.
22. Para 4.4: Details of fines management during the closure period may be furnished.

Chapter V- Final Mine Closure Plan

23. Para 5.1.1: In this para, the existing land use pattern as per the approved RMP be furnished & yearly proposal of reclamation plan with regard to afforestation & land restoration/reclamation may be discussed in brief.
24. Para 5.1.2: (i) In this para, fencing of the excavated area, securing OB dumps & mineral stocks may be proposed & discussed point wise. Securing entry & exit to the mine & mine pits may also be clearly spelt out. (ii) Grid reference of each of the activity may also be furnished.
25. Para 5.1.3: (i) Existing afforestation details with area ,their locations, no of saplings planted along with survival rate may be furnished. (ii) Proposal for re-grassification, plantation on dump & plantation on ultimate benches with area & no of saplings may be given. (iii) Grid reference of each of the activity may also be furnished.
26. Para 5.1.10: Surface features such as natural drainage system (streams, nalahs, water reservoirs, irrigation dams and canals), roadways & railways, places of historical and archaeological importance, monuments, places of worship, forests with tree density, sanctuaries, wastelands, agricultural lands, grazing lands, predominant wind direction etc may be discussed in brief in this para.
27. Para 5.1.11: All the details (dimensions & area occupied) of the infrastructure present with in the ML area may be furnished along with the timelines to dismantle, dispose or decommission the same.
28. Para 5.1.15: Time scheduling for decommissioning of each of the activity may be given with dates.
29. Para 5.4: Financial assurance details like issuing bank, date of issue, validity, BG no. to be provided in a tabular form.

30. PLATES:

- a) Key Plan: (i) Access to the mining lease area may be shown. (ii) Topo sheet no may be shown and indexed.
- b) Production & Development Sections (Plate No.8): Year wise separate plates of production & development section may be given.
- c) Reclamation Plan (Plate No.9): All the engineering measures (Garland drain & Retaining Wall) proposed within & outside the lease area may be shown prominently with different colours & tabulated.
- d) Conceptual plan & sections may be enclosed showing all the details pertaining to the closure activity of the mines as proposed & carried out in the past including re-grassification, plantation, fencing of pits, dump plantation etc. & indexed. (ii) Few sections may also be enclosed as a separate plate.
- e) Few sections of dumps may be enclosed in a separate plate.

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

- a) All the annexures may be placed in an orderly manner as per the sequence given in the format.
- b) Revised CFO for 0.95 MTPA may be enclosed issued by KSPCB.
- c) Latest address proof of the lessee may be enclosed.
- d) Geological report may be submitted.

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