

Scrutiny Comments on draft ‘Review & Updation of Mining 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.

- *The Consent letter/Undertaking /Certificate from the lessee & qualified person may be digitally signed.*
- *No cells may be left blank. Either Nil/Not applicable may be furnished*

CHAPTER-1-GENERAL INFORMATION

1. Para- 1.1.1-Lease grant details since the initial grant and subsequent renewals may be furnished in chronological order along with other details as per the format.
2. Para- 1.2: Under nature of land, since the said ML is in forest land, forest may be mentioned.
3. Para- 1.3: Under date of execution, date of initial execution may be furnished.
4. Para-1.3.4-Statutory Compliances- The details of the permissible annual production as per the CEC Approval letter should also be given under this Para. Also, the details of the CEC approval Letter no, date, Permissible annual production etc. to be given under this Para. The related documents to be attached as Annexure and reference to be given.
5. Para- 1.3.4.1: Letter No of EC may be corrected.
6. Para- 1.3.4.2: Latest SPCB approval for 0.95 MTPA may be enclosed & necessary corrections may be done.
7. Para-1.3.6: A copy of the PAN of the nominated owner to be enclosed and reference to be given. The List of members of Board of Directors should also be enclosed and reference to be given in this Para.

CHAPTER-2-GEOLOGY AND EXPLORATION

8. Para- 2.1.1: Topography- The Para mentions minimum distance of stream from lease area as 1.8 km. The same should be clearly demarcated on the enclosed Key Plan.
9. Para- 2.1.2: Details of Physiographic features and Infrastructures available in and around the lease/ block area (within 5 KM) may be furnished in remarks column.
10. Para-2.1.4.4 & 2.1.4.5: Mode of Occurrence & Control of Mineralization- i) The Mode of occurrence whether Igneous, Sedimentary or Metamorphic to be given, along with control of mineralization whether stratigraphically, structurally, Chemically, geologically under this Para 2.1.4.4.
11. Para-2.1.4.6: It is to be added in the text ‘ ‘ The average percentage of lumps is to fines present in Run off mine.
12. Para- 2.1.4.7: The text to be corrected as ‘ ‘All the materials analyzing equal or more than 45 % and above have been considered as ore’’. The no of ore bands inside the lease area with physical and chemical characteristics details to be also given.
13. Para 2.1.4.8: Deposit Type (as per MEMC Rule) may be furnished along with the dip of the ore body.
14. Para 2.2.1.7: Under Exploratory Drilling (Core/non Core), the no of core boreholes & total meterage drilled during the last plan period may be reviewed & corrected. Form-J for all the Exploratory boreholes with lithologs and chemical analysis as per the last approved document to be enclosed as annexure and reference to be given
15. Para 2.2.2.7: (i) Under Exploratory Drilling (Core/non Core), total meterage drilled before the last plan period may be reviewed & corrected.(ii) Address & contact details of the exploration agency

mentioned may also be furnished. Form-J for all the Exploratory boreholes with lithologs and chemical analysis as per the last approved document to be enclosed as annexure and reference to be given

16. Para 2.2.1.13: The bulk density details as per the last approved mine plan to be mentioned here. The bulk density study report from NABL accredited laboratory/Govt. lab to be enclosed. The NABL certification of the laboratory along with the scope of test works for the lab, which includes Bulk density testing may be enclosed in annexure.
17. Para 2.2.4.2: Section wise resources calculations may be furnished.
18. Para 2.2.5.1: Mineral Resource Estimate for Conversion to Mineral Reserve may be verified & corrected. The same needs to be aligned with table no. 2.2.5.11.
19. Para 2.2.5.9 & 2.2.5.10: Section wise calculation of blocked resources & reserves may be furnished in this para.
20. Para 2.2.6.5.1: Grid interval may be furnished.
21. Para 2.2.6.7: The sampling details of the proposed exploratory boreholes in accordance with Minerals (evidence of Mineral contents) Rules 2015 should be given under this Para as per the format. The sample location extent may be given under Latitude and Longitude column of the table.

CHAPTER-3-MINERAL BENEFICIATION/PROCESSING

22. Para 3.3: Since primary crushing is involved in the mines, the details of the same may be furnished in this para.
23. Para 3.3.2 to 3.4.2: "Not Applicable" option to be selected.
24. Para 3.5.1: The Screening unit details under this Para may be furnished as per the approved document.
25. Para 3.6: "Not Applicable" operation to be selected under this Para and related Para 3.6.1, 3.6.2, 3.6.3, 3.6.4, 3.6.5, 3.6.6 & 3.6.7.
26. Para 3.7- Overall Product Quality (Dry Cum wet Processing) : "Not Applicable" option to be selected under this Para.
27. Para 3.9: The quantity of water required in Cum/day for mining & allied activities process like dust suppression, drilling, plantation, domestic purpose like washing, drinking etc. details to be given under this Para. The details regarding source of supply of water, disposal of water, extent of recycling, chemical analysis of water should be given under this Para. The Water balance chart to be prepared accordingly and may be added in annexure and reference to be given under this Para. The water requirement should be within the EC & CFO permissible limits.
28. Para 3.10: Flow sheets and Charts may be enclosed as annexure.

CHAPTER-4-MINING OPERATIONS

29. Para 4.1.2: Mechanized may be selected under proposed method of mining.
30. Para 4.2.1.1: The depth of the existing pit may also be furnished along with length & breadth.
31. Para 4.2.1.2.2: Mineral stack details as per the format may be furnished.
32. Para 4.2.1.3: Under this para the no of terraces mentioned is 7 for ID2 dump, whereas 06 no of terraces have been furnished in the approved document. The same may be corrected.
33. Para 4.2.2.1: In this para only one mineral & one OB bench has been given, the no. of benches in OB & mineral for the year 2023-24 to be checked & corrected as per the plate no.7.
34. Para 4.2.2.2: OB to ore ratio may be verified & corrected.
35. Para 4.2.2.3: The no. of transportation & hauling equipment proposed to be deployed may be corrected as per the information furnished in the approved document.

36. Para 4.3: The 106 (2) (b) permission from DGMS as per MMR 1961 should also be enclosed as Annexure and reference to be given under this Para.
37. Para 4.3.4: Since no dump handling is proposed, the necessary corrections may be done along with the ROM quantity proposed.
38. Para 4.4.2& 3: The details (Capacity) of various excavators & dumper required in the mines may be furnished along with other information's as per the format.
39. Para 4.7.2: The nomenclature of the proposed New Dump may be given different from existing OB dump.
40. Para 4.7.3: Existing Stack of minerals may be furnished in this para.

CHAPTER-5-SUSTAINABLE MINING

41. Para 5.1- It should be specifically mentioned under this Para ‘ ‘ Sustainable Mining and SDF implementations during the plan period 2023-24 will be carried out in accordance with Rule 35 of MCDR 2017’ ’.
42. Para 5.2: Under cumulative work done for this year, it should be mentioned nil.
43. Para 5.2.1.11: Under adoption of ODF, the no. of toilets built inside & outside the Lease Area may be furnished.
44. Para 5.3: Under Rehabilitation & Resettlement of Affected Persons, only the proposal of proposed year 2023 may be furnished.

CHAPTER-6- PROGRESSIVE MINE CLOSURE PLAN

45. Para 6.1: The area given under stabilized waste dump rehabilitated & virgin area under green belt may be verified & corrected.
46. Para 6.2.7: Estimated expenditure for dump area stabilization & development may be furnished.
47. Para 6.2.11: Land use of lease area at the expiry of lease period (conceptual stage) may be corrected as per the latest approved document.

CHAPTER-7- FINANCIAL ASSURANCE/PERFORMANCE SURETY

48. (i) Under financial assurance the detailed break up of 12.59 Ha may be furnished.(ii) The amount of bank guarantee furnished may be verified & corrected.

CHAPTER-8- REVIEW OF PREVIOUS PROPOSALS

49. Para 8.1.2: Since the last approved document didn't have SDF proposals, accordingly it should be mentioned ‘ ‘Not applicable’ ’ under this para.
50. Para 8.3: Since there were no proposals in the last approved plan period under Socio-Economic, accordingly under para 8.3.1, 8.3.2, 8.3.3.1, 8.3.3.2, 8.3.3.3, 8.3.3.4 & 8.3.3.5 it should be mentioned ‘ ‘Not applicable’ ’.

51. PART-C, PLANS & SECTIONS:

- a) **Hard copies of all the plans may be submitted in .dwg format with UTM grids (WGS 84 datum) only. Soft copies of the same may be submitted in KML/SHP format.**
- b) **The plan submitted in SHP format does not contain any attribute data. Line, polygon & point feature should be in separate file with all the necessary information.**

- c) The numbering of plates has not been sequentially maintained as per the format. Numbering of plates to be specifically maintained as per the format. Any additional plates enclosed may be followed after plate no 11 with corresponding details.
- d) All plans and sections should be signed with date by certified surveyor, Qualified Person, Geologist, Mining Engineer as per provisions of MCDR 2017.
- e) Key Plan: Mining Lease falling in the Topo sheet may be furnished & indexed.
- f) Geological sections: The proposed & drilled bore holes in the section line may be shown with the same colours and drilled bore holes in section line A-A' may be corrected with respect to the topography.
- g) Production & development Plan & sections (2023-2024): In these plates (Plate No.7 & sections) only the proposed production, development, OB dumping & mineral stacking for the year 2023-24 may be shown & indexed accordingly. The information furnished in this plate is not aligned with the information furnished in the text. Necessary corrections may be done accordingly.
- h) Conceptual Plan (Plate No.9): In the conceptual plan, rain water harvesting pond & backfilling is shown but there is no mentioned of the same in the text. The same may be attended.
- i) Reclamation Plan (Plate No.11): In this plate only the proposed engineering environmental measures like construction of retaining wall, garland drain ,plantation for the year 2023-24 may be shown & indexed accordingly.

52. PART- B, ANNEXURE:

- a) The numbering of annexures has not been sequentially maintained as per the format. Numbering of annexures to be specifically maintained as per the format. Any additional annexures enclosed may be followed after annexure no 18 with corresponding details. All the annexures as mentioned in above scrutiny comments of different chapters to be enclosed. Also, corrections in the annexures, as mentioned above in scrutiny comments of different chapters to be incorporated and corrected annexure to be enclosed.
- b) The copy of Consent to establish and consent to operate to be enclosed. The valid Consent to operate for total proposed permissible production quantity to be enclosed.
- c) The 106(2)(b) permission from DGMS for working with Deep hole drilling and blasting with use of heavy machineries under MMR 1961 as mentioned above in scrutiny comment no 25 may be enclosed.
- d) Annexure- Flowsheet of Mobile Crushing & Screening Plant may be enclosed
- e) The feasibility report may be signed by the QP .
- f) All the annexure to be properly numbered/paged and relevant annexure to be signed by QP. The Page no range should be accordingly given in list of Annexures. All the annexures should be legible.
