

Scrutiny Comments on draft ‘Modification to the approved Review & updation of Mining Plan’ in respect of Karadikolla (Suresh) Iron Ore Mine, ML No.2502 of M/s P Balasubba Setty & Son, covering 42.10 Ha (As per CEC) of area near Karadikolla Village, Sandur Taluk , Ballari District of Karnataka State.

COVER PAGE:

1. Name of the document may be corrected as “Modification to the approved Review & updation of Mining plan including Progressive Mine Closure Plan” along with rule no. at all places in the text, certificates & plates.

INTRODUCTION:

2. The original mining lease was granted over an area of 44.11 Ha which has now been reduced to 42.10 Ha (as per CEC sketch). Details of the same may be discussed in this chapter.
3. Consent to operate issued by KSPCB may also be discussed with validity. Copy of the same may be enclosed as annexure.
4. The letter no and the date issued by CEC may be corrected and the copy of the same may be enclosed as annexure.

LOCATION & ACCESSIBILITY:

5. Para 2.0 (b): The E-mail Id’s of all the partners may be furnished in table no.1.

DETAILS OF APPROVED MINING PLAN:

6. Para 3.1: The date & reference of all the earlier approved MP/SOM/RMP/ Mod.RMP may be furnished in Table 4. Reasons for modification if any may be given in a separate column in the same table.
7. Para 3.2: All the details of last modification dated 13.07.2018, indicating the date of approval and reasons for modifications may be furnished.
8. Para 3.3: (i) Review of approved proposal in respect of exploration, excavation, reclamation etc should be furnished up to 31.03.2021. Other details may be removed from this para.
9. Para 3.6: Since the mining plan is submitted for modification, all the reasons with justification of modification may be given.

PART-A; GEOLOGY & EXPLORATION:

10. Para 1.0 (d): Name, address, E-mail ID & phone no of the exploration agency engaged for core/ DTH drilling may be furnished.
11. Para 1.0 (e): (i) Type of boreholes drilled in 2018-19 may also be furnished. (ii) Under Sample Analysis, total number of samples collected in each exploration phase i.e old core drilling bore holes (year to be mentioned),2013 ,2017-18 & 2018-19 viz. boreholes samples and samples analysed may be provided in tabular format. Findings in terms of quality of Hematite Iron ore, Hematite siliceous ore & Float ores may be enumerated in

brief. (iii) Cost incurred in sample collections & analysis from NABL accredited laboratory may be furnished.

12. Para 1.0 (i): Future exploration proposals may be given as discussed during field inspection in compliance of Rule 12 (4) & 12 (4A) of MCDR.
13. Para 1.0 (i): In table no.11, the area explored under different level of exploration should tally with the ML area.
14. Para 1.0(k): (i) In table no.17, the section wise calculation for associated waste may be deleted. (ii) The reserves/resources may be calculated & furnished as on 01.04.2021.
15. Para 1.0(l): (i) In table no.20, Resources mentioned under detailed exploration (G1) may be verified & section wise calculation substantiating the quantity may be furnished. (ii) Total estimated mineral reserve/resources in different categories may be furnished as on 01.04.2021.

MINING; OPEN CAST MINING:

16. Para 2.0(A)(a): (i) In this para briefly describe the existing as well as proposed method of excavation with designed parameters. Rest of the information's may be deleted. (ii) The existing details of mine (working) pit, OB dumps, their status indicating the location, quantity, area covered and other details may be enclosed in a tabular column. (iii) The existing details of Mineral stock & ROM stock lying in the mines may be given in a tabular column indicating the location, quantity, area covered and quality.
17. Para 2.0(b): The proposed production proposals for the year 2021-22 may be given as per the capping fixed by the CEC & letter issued by the DMG, Govt. of Karnataka. Copy of the same may also be enclosed as annexure.
18. Para 2.0(c): (i) In the interest of mineral conservation, the production & development proposals may be extended across the strike direction (East-West direction) as discussed during the field inspection. Accordingly the same may be furnished & necessary changes may be made in the text where ever applicable. (ii) The details of working may be furnished in the below appended table.

Year	Area	Section	Advancement	No of Benches		Level mRL		Working depth	UTM coordinates	
				Ore	Waste	Top	Bottom		Northing	Easting

(iii) Details of dumping may be given in the table given below:

Year	Extent (Ha)	Quantity (Tons)	Top mRL	Bottom mRL	No of Stages	Slope angle	Northing coordinates	Easting coordinates

19. Para 2.0(f): Para 2.0 (f): (i) Plantation, fencing of the worked out pit & re-grassification of the entire mined out area at the conceptual stage of mining may be proposed & discussed. Few sections of the same may also be given. (ii) Land use pattern at the conceptual stage of mining may be furnished as per financial assurance table. (iii) Area covered under infrastructure may be verified & corrected in table no.34.
20. Para 4.0(c): (i) Details of OB dumping may be given in the appended table

Year	Extent (Ha)	Quantity (Tons)	Top RL	Bottom RL	No of stages	Slope angle	Location

21. Para 5.0(a): Sorting of Grade wise & size wise proposed in the mine may be given in this para.
22. Para 5.0(f): This para may be deleted as it is not as per the standard format.
23. Para 8.1: (i)The existing land use furnished is not aligned with the financial Assurance table. The same may be corrected accordingly.(ii) Demographic details may be furnished under human settlement.
24. Para 8.2: Land area likely to be degraded due to mining & its allied activities in the proposed plan period may be furnished & described in brief.
25. Para 8.3.1: (i) In table no.47, the environmental protective measures furnished for 2018-19, 2019-20 & 2020-21 may be deleted. (ii) A table may be inserted showing year wise afforestation details like survival rate, species proposed to be planted & cost may be given.
26. Par 8.3.5: The proposed no of saplings furnished for 2021-22 & 2022-23 is not aligned with the information furnished in table no.47.
27. Para 8.6: The area put to use at the start of plan period & other details are not matching with the information submitted in the information's furnished in table no.40.The net area considered for calculation of BG may be corrected & accordingly BG may be submitted.

PLATES:

- a) Key Plan (Plate No.1): (i) The mining lease area falling in the topo sheet may be marked & indexed accordingly.(ii) Wind rose diagram may be shown clearly.(iii)Mining leases falling in buffer zone of 10KM may be named & indexed as shown in the plan.
- b) Surface Plan (Plate No.4): (i) Overburden dump ID 1 may be shown in this plate. (ii) Surface plan may duly be signed by the surveyor.
- c) Geological Plan (Plate No. 5): (i) Area under G-1,G-2,G-3 & G-4 with UNFC code may be indexed with table. (ii)This plan may duly be signed by the surveyor.(iii) The bore holes shown in different colours may be indexed.
- d) Geological cross sections (Plate No. 6): This plate may be duly signed by the surveyor.
- e) Production & Development Plan & sections (Plate No. 7A,7B & 8): Production & development plan & sections may be redrawn as per the comments placed at para 2.0 (c).
- f) Conceptual Plan (Plate No. 9): The conceptual plan & sections may be drawn as per the comments placed under para 2.0(f). Few sections of the conceptual may also be attached as separate plate.
- g) Financial Assurance plan (Plate No.12): Different colour codings may be used to represent the mining & its allied activities. Revised FA table may be enclosed with necessary corrections.

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