

Scrutiny comments on draft FMCP of Baraiburu-Tatiba Iron & Manganese Mines (area - 258.98968 Ha.) of M/s Rameshwara Jute Mills Ltd. submitted under rule 24(1) of Mineral Conservation and Development Rules, 2017.

Note: A new format of FMCP has been issued, Exclusively for leases wherein mineral exists and closure is as per the provisions of Section 8A of MMDR Amendment Act, 2015. Hence, the FMCP submitted for further processing should be as per new format.

Cover Page:-

1. Cover Page of the FMCP should give the following Information:-
FINAL MINE CLOSURE PLAN submitted under Rule 24 of Minerals Conservation and Development Rules, 2017(**in terms of Section 8A (3), (5) or (6) of MMDR Amendment Act'2015' should also be mentioned*)

Introduction & General Information:-

2. Corner pillars should specifically be mentioned in pg. 12, 13, & 14.
3. In pg. no. 18 mention location of excavation instead of location of development, and proposals and actual work done should be in dd mm ss format (for extremities) or Grid values.
4. In pg. 18 pt. no. 5.4 – Against Total Quantity of topsoil (m3): figure (Quantity) is to be mentioned as Removed, Utilized & Stacked.
5. In pg. 18 pt. no. 5.5 – Against Quantity of overburden/Waste (m3): figure (Quantity) is to be mentioned in Excavated, Backfilled & Dumped.
6. In pg. 19 pt. no. 5.9 – Only Proposal has been given against Total Quantity of Fines (Tonnes): figure (Quantity) is to be mentioned as Generated, Utilized & Stacked (i.e., Actual).
7. In pg. 20 pt. no. 5.15 – Against Total Location of fines Stacks: figure should be in dd mm ss format (for extremities) or Grid values.
8. In pg. 20 pt. no. 5.21 – Against Afforestation (along with survival rate) should clearly be mentioned in Virgin Area, Dumps, Backfilled area, & Ultimate Benches.
9. In pg. 20 pt. no. 5.23 – At the time of inspection one pit opposite to the Fine dumps was present which was explained as a rainwater harvesting pit, as such location in dd mm ss format (for extremities) or Grid values is to be mentioned.

Geology & Exploration :-

10. Pg. 29, pt. 6.5.1 – In number of Pit / Trenches; Figure mentioned for exploration carried out is of pit ore Trench is to be mentioned accordingly.
 - a. Under scale of Exploration mention the category of exploration G1, G2 or G3 (as per new format).
11. In pt. 6.5.2 - Under scale of Exploration mention the category of exploration G1, G2 or G3, and mention the explored depth of the BH already done with collar level.
12. Under Expenditure incurred in various prospecting operations mention the expenditure in 2009-10 & 2010-11 also.
 13. Pg. 30 pt. no. 6.5.5 – total area explored in G1 G2 & G3 Category should be in bifurcation of Forest & Non-Forest Area also.
14. After Total Lease Area explored in various categories mention the Blocked Resources under various Modifying Factors in terms of item no. 14 of Part-I (Definitions) of MEMC Rule 2015
15. Balance estimated mineral reserve/ resources in different categories of UNFC are to be mentioned (To be indicated separately for Forest and Non-forest area) As on(Date)
16. 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.

Mining

17. Details should be in concurrence with the approved Mining Plan/RMP/MMP/SOM in accordance with the new format of FMCP Exclusively for leases wherein mineral exists and closure is as per the provisions of Section 8A of MMDR Amendment Act.

Stacking of Top Soil, Mineral Reject, Fines, Tailings / Slimes and Their Disposal

18. The Details of the following points should be covered as per new format of FMCP Exclusively for leases wherein mineral exists and closure is as per the provisions of Section 8A of MMDR Amendment:-
- a. Details of Dumps/Stacks available at the mine site.
 - b. Details of Top Soil, Waste/OB, Mineral Rejects, Fines & Tailings/ Slimes generation during the closure period of two years.
 - c. Details of Top Soil and Waste/OB disposal/management during the closure period of two years.
 - d. Details of Mineral Rejects, Fines & Tailings/ Slimes disposal/management during the closure period of two years.

Final Mine Closure Plan

19. Under **Mined Out Land** the proposals may be supported with yearly plans and sections depicting yearly progress in the activities for land restoration/ reclamation/rehabilitation, afforestation etc., called “**Reclamation Plan**”.
20. In Water Quality Management & Air Quality Management Locations of Monitoring stations is to be given.
21. The lessee should ensure fencing of any excavation endangering fall of persons/cattle etc. in terms of Rule 26 of MCDR 2017.
22. Existing afforestation details shall be furnished along with proposals on Virgin area, Backfilled area, Dump plantation and plantation on ultimate benches indicating area and number of saplings.
23. Under **Topsoil Management**: No un-stabilized stacks of topsoil should be left at the expiry of lease period. (Either the generated topsoil should be utilized or the stacks should be stabilized and secured.)
24. The information on protective measures for reclamation and rehabilitation works year wise for forest and non-forest areas may be provided as per new format of FMCP Exclusively for leases wherein mineral exists and closure is as per the provisions of Section 8A of MMDR Amendment Act.

Plans & Sections:

25. All plans & sections should be certified by Mining Engineer & appointed Geologist of the mines as stipulated under Rule 34 of MCDR 2017.

List of Documents

26. List of documents to be Annexed should be as per new format of FMCP Exclusively for leases wherein mineral exists and closure is as per the provisions of Section 8A of MMDR Amendment Act
27. All the Certificates/ Consents/Undertakings and Annexures to be enclosed at the end of the text part/FMCP format.