



भारत सरकार GOVERNMENT OF INDIA
खान मंत्रालय MINISTRY OF MINES
भारतीय खान ब्यूरो INDIAN BUREAU OF MINES
क्षेत्रीय खान नियंत्रक के कार्यालय
OFFICE OF THE REGIONAL CONTROLLER OF MINES



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No FMCP/MAN/44-ORI/BHU/2018-19

दिनांक / Date: 12.10.2018

To

Shri Ramesh Prasad Sao,
Mining Lessee,
Avani Signature, 02nd Floor,
91 A/1 Park Street,
Kolkata-700016, West Bengal.

Sub: Approval of Final Mine Closure Plan of Chormalda Manganese Mines over an area of 141.122 ha in Keonjhar district of Odisha of Shri Ramesh Prasad Sao submitted under Rule-24 of Mineral Conservation and Development Rules, 2017.

Ref: - i) Your letter no. RPS/JODA/OUT/18-19/326 dated 26.09.2018.

ii) This office letter of even no. dated 27.09.2018.

iii) This office letter of even no. dated 27.09.2018 addressed to the Director of Mines, Govt. of Odisha, copy endorsed to you.

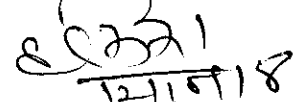
Sir,

This has reference to the letters cited above on the subject. The draft Final Mine Closure Plan has been examined in this office based on earlier site inspection carried out on 21.08.2018 by Shri Ramkishan R, Sr. Asst. Controller of Mines. The deficiencies observed are enclosed herewith as Annexure-I.

You are advised to carry out the necessary modifications in the draft Final Mine Closure Plan in the light of the contents vide Annexure-I and submit **three (3) firm bound and two (2) soft copies of the document text in CD in a single MS Word file (the drawing/plates should be submitted in Auto CAD compatible format and JPG format in resolution of 100x100 pixels on same CD)** with financial assurance under Rule 27 of MCDR' 2017 within 15 (fifteen) days from the date of issue of this letter for further necessary action. If the total page of annexures exceeds 50 (Fifty) then it should be submitted as separate volume. But reference of these annexures must appear in the Final Mine Closure Plan document. The plates are also to be submitted in separate volume.

The para-wise clarifications and the manner in which the deficiencies are attended should invariably be given while forwarding the modified copies of the Final Mine Closure Plan. It may be noted that no extension of time in this regard will be entertained and the Final Mine Closure Plan will be considered for rejection if not submitted within above due date. It may also be noted that if the deficiencies are not attended completely, the submission would be liable for rejection without further correspondence.

भवदीय / yours faithfully,



(HARKESH MEENA)

क्षेत्रीय खान नियंत्रक / Regional Controller of Mines

Copy for kind information and necessary action to:

1. Shri P. S. Acharya & Shri S. M. Patro, Qualified Person, GEMTECH Consultants Private Limited, K-8/625, Kalinga Nagar, Post-Ghatikia, Bhubaneswar, Odisha-751029.
2. Shri R. N. Kar, Qualified Person, Avani Signature, 02nd Floor, 91 A/1, Park Street, Kolkata-700016, West Bengal.

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(HARKESH MEENA)
क्षेत्रीय खान नियंत्रक / Regional Controller of Mines

SCRUTINY COMMENTS ON FMCP DOCUMENT IN RESPECT OF CHORMALDA MANGANESE MINES OF SHRI R P SAO OVER AN AREA OF 141.122 HA IN KEONJHAR DISTRICT OF ODISHA STATE SUBMITTED UNDER RULE 24 OF MCDR, 2017.

1. **General:** All the information for cover page mentioned in the guideline of “ IBM Manual for appraisal of Final Mine Closure plan, July-2018” (hereinafter referred as format) to be mentioned like Mine code, category of mine, period of proposals, qualification of QP etc. Hence, necessary information to be provided on cover page as specified in format.
2. The violation pointed out and compliance during the period of 2018-19 till date should be furnished.
3. **Geology and Exploration:** The explored depth in mRL with depth in meterage from surface should be furnished under different level of exploration in para 2.2.5, Further information to be furnished in the following table.

Year	Number of BH proposed			Total
	Diverted forest area	Non-diverted forest area	Non-forest area	
2018-19				

4. The area having mineralization shall be secured for any future considerations (no backfilling/dumping of waste should be done on mineralized area). Along with in-situ orebody, mineralized dump, mineral rejects (grade or size rejects) stack as available at the mine site, shall also be secured. An account of all mineralized dumps/mineral stacks shall be furnished indicating its quantity, grade, size classification/distribution and shall be shown on all relevant plans mentioning its dimensions (length, breadth and height or Area and height) with appropriate number of sections.
5. **Mining:** The details should be in concurrence with the latest approved Mining Plan/RMP/MMP or approved Modified mining Plan.
6. **Stacking of top soil, mineral rejects, disposal of waste:** The quantities should be furnished under para 4.1
7. **Final Mine Closure Plan:** In para 5.1.1 the details regarding any reclamation/rehabilitation measures, like afforestation proposed to be furnished.
8. In para 5.1.10 Baseline information of the lease area should be furnished for Mining Lease area and surrounding 500 meter form lease boundary.
9. Para-5.1.11: The details of all existing infrastructure available in the lease area should be furnished in tabular form and their present value and value at the end of 27/05/2020 after depreciation. Further their future utilisation should be evaluated. The decommissioning cost and final value of the decommissioned infrastructural facilities if any may be furnished.
10. The sequence nos of para should be maintained.
11. Infrastructure details of essential commodity/related to basic need to be given and in no case, any infrastructural facility which is an essential commodity/related to basic need or which absence may cause any degradation of environment or any damage to flora and fauna in and around the ML area or any danger to public safety or public infrastructure like rail, road etc. shall be decommissioned (dismantling water supply, water treatment plant, power lines etc.) without prior intimation/approval of appropriate authority.
12. Para-5.1.12: Decommissioning of mining machineries and their possibility of post mining utilization, if any may be described. Back-up calculation of decommissioning of mining machineries to be enclosed for ready reference. The decommissioning should be completed before the expiry of the lease period accordingly it should be scheduled.
13. Para 5.2: fencing of quarries information should be furnished.
14. **Financial Assurance:** Updated financial assurance as per latest approved document to be submitted/enclosed.

15. **Plates:** General: All updated plans and sections to be submitted. Accordingly all relevant tables in text and plan to be modified. The date of survey to be mentioned in all the plans and sections.
 16. **Key Plan:** The approach road to lease area has not shown.
 17. **Geological Plan & Section:** Litho and ore zone to be marked on the drilled BH and accordingly correlation of different litho unit to be made over the sections and should be match with geo plan. All the proposed BH to be indicated on the section along with collar, proposed depth at the end.
 18. **Development plan and section:** Updated development plan sections to be submitted as per latest approved document.
 19. **Reclamation plan:** All the proposed features in FMCP to be depicted year wise in the plan. The color code for existing and proposed feature should be different. Accordingly, reclamation plan to be revised. All the proposed features in tabulated manner may be depicted on the plan.
 20. **Environment plan:** The Environment Plan as prepared should be satisfy the provision as laid down rule 32 (5) (b) of MCDR'2017.
 21. **Enclosures:**
 22. Copy all of violation/ show-cause notice and its compliance to be enclosed. Copy of latest land schedule to be enclosed..
 23. Few photographs covering ML Boundary pillars, pits/quarries, mining activity, dumps, processing plant, core shed, coir matting on dumps, retaining wall and garland drain etc. to be enclosed with description and location.
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