



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/OTFM/48-ORI/BHU/2018-19

दिनांक / Date: 29.10.2018

To

Shri Probodh Mohanty, Lessee,
Weigh Bridge Road, Post Box No-21,
Post- Barbil, Dist-Keonjhar,
Pin-758035, Odisha.

Sub: Final Mine Closure Plan of Gonua Iron & Manganese Mines over an area of 13.796 ha in Sundargarh district of Odisha of Shri Prabodh Mohanty submitted under Rule-24 of Mineral Conservation and Development Rules, 2017.

Ref: - i) Your letter no. PM/BBL/BO/IBM/356/2018 dated 26.09.2018 received on 08.10.2018.
ii) This office letter of even no. dated 08.10.2018.
iii) This office letter of even no. dated 08.10.2018 addressed to the Director of Mines, Govt. of Odisha, copy endorsed to you.

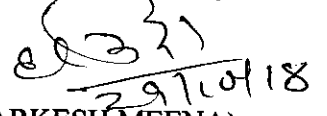
Sir,

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 site inspection carried out on 22.10.2018 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 S. C. Nayak, Qualified Person, M/s Minesketch Consultants (P) Limited, A/185, Saheed Nagar, Bhubaneswar, Odisha -751007.

(HARKESH MEENA)

क्षेत्रीय खान नियंत्रक / Regional Controller of Mines

**SCRUTINY COMMENTS ON FMCP DOCUMENT IN RESPECT OF GONUA IRON AND MANGANESE
MINES OF SHRI PRABOD MOHANTY OVER AN AREA OF 13.796 HA IN SUNDERGARH DISTRICT OF
ODISHA STATE SUBMITTED UNDER RULE 24 OF MCDR, 2017.**

1. **Introduction:** All the information for cover page 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 last scheme of mining till date should be furnished. The reference of MCDR, 1988 should be replaced with relevant rules of MCDR, 2017.
3. The reason for closure is furnished as uneconomic operation, so the details regarding why the mine operations have become uneconomic should be properly justified in pre feasibility report.
4. **Mine Description:** Exploration carried out should be corroborated with documentary evidence in respect of name of agency, order for the work, cost involved, and payment details by the lessee etc. with copy of form I&J maintained as per MCDR, 2017. All details of exploration carried out as enclosed should be certified by the concerned geologist of the mine. NABL Accreditation certificate of laboratory from where Chemical Analysis carried out should be enclosed with the details of samples.
5. Under para 2.2 the reserves and resources established in the last mining plan period and depletion/addition of reserves/resources over the period of time and the present assessment of reserves/resources should be furnished with proper justification. The present furnished reserves/resources in FMCP are under 331 category, whereas pre feasibility report has been already made so the same should be properly put under suitable UNFC category. In the drilled boreholes lateritic iron ore encountered in the log details so the same resources should be estimated.
6. 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 ore body, 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.
7. Detailed description under para 2.3.1, 2.3.2, 2.3.3 and 2.3.4 should be furnished as per the last approved mining plan. The details should be in concurrence with the latest approved Mining Plan/RMP/MMP or approved Modified mining Plan the production levels to be furnished.
8. Under para 3 Indicate in detail the various proposals committed with special emphasis on the proposals for protection of environment in the approved Mining Plan / Scheme of Mining including five years Progressive Closure Plan upto the closure of mine vis-a-vis their status of implementation. Highlight the areas, which might have been contaminated by mining activities and type of contaminants that might be found there. The reasons for deviation from the proposals if any with corrective measures taken may also be given.
9. **Final Mine Closure Plan:** under para 4 the proposals to be implemented for reclamation and rehabilitation of mined-out land including the manner in which the actual site of the pit will be restored for future use. The proposals may be supported with relevant plans and sections depicting the method of land restoration / reclamation / rehabilitation. The details regarding any reclamation/rehabilitation measures, like afforestation proposed to be furnished. The plantation over backfilled area and benches of Goda pit should also be proposed.
10. The budgetary estimate seems to be on lower side so the manpower should be increased accordingly to the quantum of work and Budgetary estimate should be revised as per the revised

reclamation and rehabilitation measures. The decommissioning cost and final value of the decommissioned infrastructural facilities if any may be furnished.

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. Under para 6.0 the time scheduling should be revised to 5 years as the self-sustaining period for planation should be minimum 5 years and accordingly bar chart should be revised till 2023-24.
13. Under reclamation and rehabilitation measures fencing of quarries information should be furnished.
14. **Financial Assurance:** financial assurance should be submitted/enclosed along with document and it should be in line with the land use of last approved mining plan document.
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.
16. **Surface plan:** The common boundaries along the lease area on all sides should be shown on the plan. Latitude, longitude of all corner pillars may be indicated on the Surface plan. Few pillars may be correlated with some permanent ground features giving distance and direction.
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. geo-structural information like strike, dip, dip-direction etc. All these information should be reflected on geological plan and section.
17. **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.
18. **Environment plan:**The Environment Plan as prepared should be satisfy the provision as laid down rule 32 (5) (b) of MCDR'2017.
19. **Enclosures:**
20. Copy all of violation/ show-cause notice and its compliance to be enclosed. Copy of latest land schedule to be enclosed..
21. 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.