



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. RMP/A/06-ORI/BHU/2021-22

Date: 30.06.2021

सेवामे

The Managing Director & Nominated Owner,  
The Orissa Minerals Development Company Ltd,  
Plot No-271, Ground Floor, Bidyut Marg,  
Shastri Nagar, Unit-IV, Bhubaneswar,  
Odisha-751001

विषय: Approval of Review of Mining Plan of Bagiaburu Iron Ore Mine along with Progressive Mine Closure Plan (PMCP), over an area of 21.52 ha in Keonjhar district of Odisha State, submitted by The Orissa Minerals Development Company Ltd under Rule 17 of MCR, 2016.

- संदर्भ: - i) Your letter No. OMDC/HO/TECH/MP/BAG/05/01 dated 06.05.2021 received on 10.06.2021.  
ii) This office letter of even no. dated 10.06.2021.  
iii) This office letter of even no. dated 10.06.2021 addressed to Director of Mines, Government of Odisha copy endorsed to you.

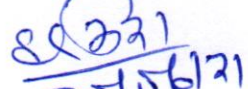
महोदय,

This has reference to the letter cited above on the subject. The draft Review of Mining Plan along with Progressive Mine Closure Plan (PMCP) has been examined in this office based on site inspection carried out on 26.06.2021 by Shri Ramkishan R, Senior Assistant Controller of Mines. The deficiencies observed are enclosed herewith as Annexure I.

You are advised to carry out the necessary modifications in the draft Review of Mining 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 or JPG format in resolution of 100x100 pixels on same CD )** with financial assurance under Rule 27 of MCDR 2017 of the Review of Mining Plan 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 Review of Mining 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 final copies of the Review of Mining Plan. It may be noted that no extension of time in this regard will be entertained and the Review of Mining 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,

  
(हरकेश मीना)

क्षेत्रीय खान नियंत्रक

Copy for kind information and further necessary action to Shri Pradeept Mohapatra, At-  
Telengapentha, Dist- Cuttack, Odisha-754001.

(हरकेश मीना)

क्षेत्रीय खान नियंत्रक



Scrutiny comment on Review of Mining Plan including PMCP in respect of Bagiaburu Iron Mine of  
M/s OMDC Ltd.

PFA

**GENERAL:**

1. The present validity status of the ML will expire on 10.10.2021. However document has been prepared with the proposals for the period from year 2021-22 to 2025-26. The document should only be considered for the proposed period, if the subsistence of lease period confirmed by competent authority of State Govt. of Odisha.
2. The document name should be as Modification of Mining plan under rule 17(3) of MCR, 2016 as the lease may be extended for a period of 20 years as per Mining (Mining by Government Company) Rules 2015, if considered by state government.
3. All the certificates/annexures should bear dated signature.
4. Name of the Nominated owner furnished in page no.5 should be rechecked. Also name of the nominated owner should also be furnished under name of the applicant. the board resolution regarding the nomination of owner should be enclosed. The update list of board of directors should be enclosed.
5. Justification for modification of mining plan should be furnished under para 3.6

**GEOLOGY AND EXPLORATION:**

6. Adequate proposal of exploration to be given to explore entire lease area under G1 level of exploration as per MEMC, rules 2015, which should be completed in compliance to the rule 12 (3)&(4) of MCDR, 2017. Accordingly exploration proposal should be modified. only core type drilling of boreholes should be proposed. The depth of the proposed core boreholes should be around 300m or till the end of mineralization/discontinuance of ore body. The entire proposal should be given in the year 2021-22 so that the exploration should be completed in the first year itself of the plan period.
7. In page no.19 the ROM ore is furnished as 100% w.r.t. total excavation which needs to be modified.
8. Recovery, bulk density considered for ore (+58% Fe) and mineral reject/sub grade (+45-58% Fe) should be properly justified with documentary evidence. Necessary changes should be made at relevant places of the document wherever required.

**MINING:**

9. The year wise excavation proposal should be given considering the depth of mineralization i.e. established reserves depth. Proper justification should be furnished for the site selection for the proposed plan period.
10. Existing and proposed equipment/machinery with quantity and capacity should be furnished. The bulk density considered for tonnage calculation should be justified with report from NABL laboratory.
11. Conceptual Mine planning upto the end of lease period taking into consideration the present available reserves and resources describing the excavation, recovery of ROM, Disposal of waste, backfilling of voids, reclamation and rehabilitation showing on a plan with few relevant sections.
12. In pursuant to the order dated 14.01.2020 passed by MoM, GoI, consequent up on the order dated 08.01.2020 of the Hon'ble Apex Court passed in W.P.(C) No. 114/2014, the lessee shall carryout "regrassing in mining area after closure of mines". So accordingly regrassing proposal should be given in the mining area.

**STACKING OF MINERAL REJECT/SUB GRADE AND DISPOSAL OF WASTE:**

13. In Para 4a, the nature and quantity of top soil, overburden / waste and Mineral Reject to be disposed of have not been furnished in the following format.



Year	Top Soil (cum)		Waste (cum)				Mineral Rejects (tones)			
	Reuse/spreading	storage	Total generation	Backfilling	Storage (dumping)	Utilization	Total generation	Blending	Storage	Beneficiation

14. In page no.53 it is mentioned as 35% mineral rejects will be generated, the sentence needs to be rechecked.
15. The nature/ type of mineral reject and waste material have not been described or classified. Necessary corrections to be done.
16. The proposed mineral rejects stacks location and waste dump location should devoid of mineralization accordingly exploration should be proposed before dumping of the same.
17. Existing as well as proposed protective measures like retaining wall, garland drain, check dams etc., should be furnished in tabular format with details of location, length, dimensions etc., a separate table should be given showing the year wise construction of retaining wall, garland drain and settling tank having specific proposal. Details of year wise proposal for construction of retaining wall, garland drain, settling tank etc. to be given with their location.

#### **PROGRESSIVE MINE CLOSURE PLAN**

18. The air, water and noise monitoring stations and their frequency of monitoring have not been furnished in tabulated format. All water discharge points from lease area to external should be monitored. Accordingly, monitoring proposal to be submitted. Further, Gap plantation along the safety zone should be furnished.
19. All the paragraphs should be addressed in detail under PMCP chapter as per IBM Manual Appraisal MP 2014. The present land use pattern should be furnished as per the format of FA table of different heads.
20. Copy of bank guarantee as per rule 27 of MCDR, 2017 should be submitted.
21. Year wise mining plan proposals and land use pattern should be submitted in softy copy in the format of .kml or .shp file along with document. Need to do necessary corrections.

#### **PLATES (GENERAL):**

1. Date of survey should be given on all plans and sections and signature should bear date of signature. All the plans and sections should be submitted of latest surveyed data of the filed. All plans and sections should be signed with date by certified Surveyor, Qualified Person, Mine Manager, Mining Engineer and Mining Geologist as per provisions of MCDR, 2017 and MMR, 1961. All plans & sections prepared should follow the conventions mentioned under MMR 1961. All plans and sections shall show a scale a scale of the plan at least twenty five centimeters long and suitably subdivided.
2. Authenticated lease plan from state government should be submitted.
3. With reference to CCOM Circular No 2/2010, the geo-referenced mining leases map superimposed on latest high-resolution satellite data has not been submitted over the lease area by certifying the lease area over the plan.
4. **KEY PLAN:** The key plan should incorporate all features as mentioned Rule 32 5 (a) of MCDR 2017. The approach road to the lease area should be shown with Co-ordinates of extremity of lease area.
5. **SURFACE PLAN:** Surface right area to be shown on the plan with different type of land schedules. All the features have not been shown in the index. Common boundary with other lessees if any should be shown on the plan. The Surface Plan should be prepared to satisfy the provision as laid down rule 32 (1) (a) of MCDR'2017.

6. **GEOLOGICAL PLAN & SECTION:** (i) All the geological information to be furnished on geological plan based on drilled BH, exposed pit, trial pits etc with their configuration profile (dimensions) like depth. Section lines with nomenclature should be highlighted on the plan. The Geological Plan should be prepared to satisfy the provision as laid down rule 32 (1) (b), (c) and (d) of MCDR'2017. Plan and section should be drawn on same scale.
7. **DEVELOPMENT PLAN & SECTION:** (i) present pit profile configuration with UPL to be shown with red color and proposed development with some other color. All development section to be submitted for which development is proposed. (ii) Geological information to be furnished on development plan and sections. Plan and section should be drawn on same scale. Year wise proposed development plan should be submitted in softy copy in the format of .kml or .shp file along with document.
8. **RECLAMATION PLAN:** All revised year wise proposals as per comments in PMCP chapter to be depicted on the plan.

**ENVIRONMENT PLAN:**

9. The environment plan has not been prepared as per the provision laid down in rule 32 (5) (b) of MCDR'2017.

**FINANCIAL ASSURANCE PLAN:**

10. The area degraded due to mining and allied activity and waste dump sites to be considered in FA calculation. The existing area and additional area under different heads should be shown properly under different colored hatching.

**ANNEXURES:**

11. All the annexure to be properly numbered/paged and relevant annexure to be signed by Geologist/surveyor/QP etc. It is observed that many of the annexures are not legible. A legible copy of same to be enclosed.
12. Copy of bank guarantee should be enclosed. Photographs of boundary pillars should be enclosed.

In view of above, wherever necessary correction required to be made.

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*A. Dalip*  
29/06/21