



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. MP/A/20-ORI/BHU/2021-22

Date: 15.11.2021

To

Shri Hirak Mazumdar, Director & Nominated Owner,  
M/s. Rungta Mines Limited  
Main Road, Barbil,  
Dist- Keonjhar, Odisha-758035

Sub: Approval of Mining Plan of Purheibahal Iron Ore Block along with Progressive Mine Closure Plan (PMCP), over an area of 64.337 ha in Sundargarh district of Odisha State, submitted by M/s. Rungta Mines Limited under Rule 16 of MCR, 2016.

Ref: - i) Your letter No. RML/BBL/GEO/2021-22/294 dated 06.11.2021 received on 08.11.2021.  
ii) This office letter of even no. dated 08.11.2021.  
iii) This office letter of even no. dated 08.11.2021 addressed to Director of Mines, Government of Odisha copy endorsed to you.

Sir,

This has reference to the letter cited above on the subject. The draft Mining Plan along with Progressive Mine Closure Plan (PMCP) has been examined in this office based on ~~online~~ site inspection carried out on 12.11.2021 by Shri Sanjib Kumar Mohapatra, Senior Mining Geologist & Shri Sanjay Kumar Mahapatra, Assistant mining Engineer. The deficiencies observed are enclosed herewith as Annexure-I.

You are advised to carry out the necessary modifications in the draft Mining Plan in the light of the contents vide Annexure-I and submit:-

- (i) Three (3) firm bound copies of text in A4 size printable paper and plate/plan in hard copy. The consents and certificates by the Lease holders/Qualified Person shall be attached in hard copy of document.
- (ii) Two (2) soft copies of the document in USB Pendrive. The soft copies of the document shall be digitally signed by the Qualified Person and Nominated owner. The text of document should be in excel(.xls) and word format. The plates/plans are to be submitted in .kml/.kmz/.shp format. A few sections may be submitted in .pdf format as indicated in the CCOM Circular 1/2021. All the annexures shall be submitted in soft copy.

The aforesaid final copies of the document will be submitted within 07 (Seven) days from the date of issue of this letter, for further necessary action.

The para-wise clarifications and the manner in which the deficiencies are attended should invariably be given while forwarding the final copies of the Mining Plan. It may be noted that no extension of time in this regard will be entertained and the 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  
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हरकेश मीना

क्षेत्रीय खान नियंत्रक

Copy for kind information and further necessary action to Shri Abhijit Sen, Shri B K Jha and Shri Saroj Kumar Dash, M/s. Rungta Mines Limited, Main Road, Barbil, Dist- Keonjhar, Odisha-758035.

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हरकेश मीना

क्षेत्रीय खान नियंत्रक

**Scrutiny comments on examination of Mining Plan along with Progressive Mine Closure Plan in respect of Pureibahal Iron ore Block, over an area of 64.337 Hectares in Sundargarh Districts of Odisha State of M/s. Rungata Mines Ltd.**

**Date of Inspection: - 12.11.2021**

**PART-A**

**CHAPTER-1: GENERAL INFORMATION**

1. The document should be prepared as per the mining plan template format provided in CCOM circular No.01/2021 dated 07.06.2021. No alteration/deletion/change in format of the mining plan template is allowed. Any additional information may be submitted as annexure only if required.
2. All the information in the various table columns of different chapters as per the prescribed format in the template should be furnished. No column/rows should be left blank.
3. The final soft copy of the document should be digitally signed by QPs and Nominated Owner (Mandatory).
4. List of plates and annexure should be properly indexed with page nos. and in case of plates the scale should also be mentioned.
5. Under para 1.1; few of the rows are left blank. The same needs to be reviewed and whichever is not relevant, furnished as Not applicable.
6. Under para 1.1.1; supporting document in respect of the grant of the block needs to be furnished as annexure and Annexure number needs to be furnished in relevant places.
7. Under para 1.2-land ownership details, details regarding the nature of land should be reviewed and rectified. The details should be in accordance with the land schedule provided by the State Govt.
8. The information furnished under para 1.3.4.1 to 1.3.4.4 needs to be reviewed and rectified properly.
9. An introduction with a brief history of the auctioned block to be given depicting all instances with documentary evidence as annexure from the bid details, auction process, the final price offer details as per Mineral Auction rule 2015 and as amended time to time, block summary and complete geological report needs to be attached.
10. As per Rule 34(A) of MCDR amendment Rule 2021; All the preferred bidders who are issued with a letter of intent for grant of a mining lease shall carry out a drone survey of the mining block granted through auction and up-to hundred meters outside the block boundary and submit the processed output (digital elevation model and Orthomosaic image) along with the final copies of the mining plan.

**CHAPTER-2: GEOLOGY AND EXPLORATION:**

11. The detailed information under para 2.1.1, 2.1.2 should be furnished. The furnished information is not adequate. Needs to be rectified properly.
12. The information furnished under para 2.1.4.6 & 2.1.4.8 needs to be reviewed and rectified properly.
13. The detailed information under para 2.2.1.9 should be furnished. The furnished information is not adequate. Needs to be rectified properly.
14. The information furnished under para 2.2.1.10 needs to be reviewed and rectified properly with proper annexure number.
15. As it a fresh auctioned block and proposal for a fresh bulk density study report of different ore types during the plan period needs to be proposed under para 2.2.1.13.

16. The information under para 2.2.2.14 regarding area covered under exploration; proposal for converting from G2 to G1 category needs to be furnished.
17. The information under para 2.2.2 regarding summary of previous exploration (Before last plan period) is not relevant for this fresh auction block. Hence the same needs to be mentioned as not applicable.
18. The resource and reserve estimated in the draft document should be strictly as per the geological report provided by the State Govt. Under para 2.2.4.2; cumulative figure of the resource of both the category need to be furnished.
19. Ultimate pit limit shown in Section S1-S1' is not correct. The ultimate pit limit should be drawn considering the mineral conservation point of view i.e from safety zone and safety barriers/No working zone needs to taken into consideration as per the statute all along the village road and nala existing within the block. Hence the ultimate pit limit needs to be redrawn and accordingly the reserve needs to be reassessed properly. Accordingly information furnished under 2.2.4.11 to 2.2.4.13 needs to be recast.
20. Information furnished under para 2.2.4.3, needs to be reviewed and to be furnished properly in line to the comments furnished above.
21. The proposed exploration programme needs to be furnished strictly as per the extant provisions of Part III of Mineral (Evidence of Mineral Contents) Rules 2015. The entire potentially mineralised area under the mining lease area should be proposed to cover under exploration under G1 level up-to end of mineralization. Further complete details of the proposed borehole needs to be furnished as annexure.
22. The detailed information furnished under para 2.2.5.7 is not adequate. The same needs to be reviewed and rectified properly.
23. Pre-feasibility report of the auctioned block has not been submitted. A Pre-Feasibility Study report needs to be prepared to establish Probable Mineral Reserve (121 and 122) conforming to Part V of the Schedule of MEMC Rule 2015 and the same needs to be submitted with the final copies of the mining plan.

### **CHAPTER-3: MINERAL PROCESSING**

24. Under para 3.1 & 3.2 the details furnished regarding the valuable mineral name and mineral percentage is not correct. The same needs to be rechecked and rectified. Documentary evidence in support of the same needs to be annexed.
25. Overall water requirement water balance diagram for mining and processing should be enclosed annexure under para 3.9
26. Material balance chart/ flow diagram of mineral processing should be enclosed annexure under para 3.10

### **CHAPTER-4: MINING OPERATIONS**

27. The details furnished under para 4.2.2 regarding the bench slope angles and overall pit slope angles should be as per the relevant statutory guidelines. Needs to be rechecked and rectified accordingly.
28. The details furnished under para 4.2.2.2 regarding year wise opencast development has not been furnished properly. The same should be furnished as per the prescribed format of the template. If any necessary adequate information is required to be furnished to established the proposed production, the same needs to be furnished in annexure. Further, Ore to OB ratio furnished under para 4.2.2.2 should be rechecked and rectified.
29. Under para 4.3.1 the blast vibration study report, bulk density study report and recovery study report and also any other related study reports should be proposed.

30. Under para.4.3.2 the details regarding Insitu mining needs to be rectified in line to the comments furnished for para 4.2.2.2 and the grade range of material proposed to be produced during the years should be furnished.
31. Details furnished under para 4.3.3 is not correct; the same needs to be reviewed and rectified properly. Further Under para 4.3.4 calculation summary needs to be reviewed and rectified properly.
32. The details furnished under para 4.4.2 to 4.4.5.3 regarding machinery calculation needs to be reviewed and rectified properly as discussed in the field during inspection.
33. Under para 4.5.1, the details furnished under powder factor should be rechecked.
34. The information furnished under 4.6.1 & 4.6.2 needs to be rechecked as per statutory guidelines and rectified as per the discussion during field inspection.
35. The information furnished under 4.7.2 regarding new dump; needs to be rectified as per the discussion during field inspection.
36. The information furnished under 4.7.4 regarding New Stack is not correct. The same needs to be furnished properly.
37. The information furnished under 4.9 regarding use of mineral; needs to be reviewed and rectified properly.

#### **CHAPTER-5: SUSTAINABLE MINING:**

38. The details furnished under para 5.2.3 to 5.2.5.14 needs to be rechecked and rectified properly.

#### **CHAPTER-6: PROGRESSIVE MINE CLOSURE PLAN**

39. The details furnished under para 6.1 status of land is not correct. As it is fresh auctioned block, hence the details need to be furnished properly.
40. The details furnished under para 6.2.2.1.1 to 6.2.2.2.3 needs to be reviewed and the same needs to be shown in progressive mine closure plan and respective plans.
41. The details furnished under para 6.2.11 regarding the land use at the expiry of the lease period should be rechecked.

#### **CHAPTER-7: FINANCIAL ASSURANCE/PERFORMANCE SECURITY**

42. Under para 7.1 the details furnished in the Financial Assurance table should be rechecked and rectified. The area degraded due to mining and allied activity to be considered in FA calculation. Under Rule 27 (1) of MCDR 2017, details under which mining leases granted through auction needs to be quoted.

#### **CHAPTER-9: IMPACT ASSESSMENT**

43. Under para 9.2.1.1 to 9.2.1.3; detailed information of monitoring activities needs to be furnished and the same needs to be shown in the relevant plans.
44. The details furnished under para 9.3.2.1 to 9.3.2.3.7 should be rechecked and furnished properly.
45. The details furnished under para 9.3.4 to 9.3.7.6 needs to be reviewed and rectified properly.

#### **PART-B**

#### **ANNEXURES**

46. Photographs of ML boundary pillars.
47. Surveyor certificate should be enclosed.
48. Pre-feasibility report should be enclosed.
49. Any other annexures as referred in the text should be submitted.

