



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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Plot No.149, Pokhariput
BHUBANESWAR-751020

No. MRMP/A/32-ORI/BHU/2021-22

Date: 14.12.2021

To

Shri Srinibash Sahoo, Managing Partner,
M/s Geetarani Mohanty, House No-96,
Station Road, At/Po- Barbil,
Dist- Keonjhar, Odisha-758035

Sub: Approval of modification of Review of Mining Plan of Raikela Iron Ore Mine along with Progressive Mine Closure Plan (PMCP), over an area of 67.586 ha in Sundargarh district of Odisha State, submitted M/s Geetarani Mohanty under Rule 17(3) of MCR, 2016.

Ref: - i) Your letter No. Nil dated 01.12.2021.
ii) This office letter of even no. dated 02.12.2021.

Sir,

This has reference to the letter cited above on the subject. The draft of modification of Review of Mining Plan along with Progressive Mine Closure Plan (PMCP) has been examined in this office based on earlier site inspection carried out on 06.10.2021 by Shri Ramkishan R, Senior Assistant Controller of Mines & Shri A K Pany, Assistant Mining Engineer. The deficiencies observed are enclosed herewith as Annexure- I.

You are advised to carry out the necessary modifications in the draft modification of Review of 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 and copy of bank Guarantee 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 and .dwg 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.
- (iii) Financial assurance under Rule 27 of Mineral Conservation and Development (Amendment) Rules, 2021.

The aforesaid final copies of document will be submitted within **15 (Fifteen)** 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 modified copies of the modification of Review of Mining Plan. It may be noted that no extension of time in this regard will be entertained and the modification of 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
14/12/2017
(बाबुलाल गुर्जर)
क्षेत्रीय खान नियंत्रक

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

14/12/2017
(बाबुलाल गुर्जर)
क्षेत्रीय खान नियंत्रक

N.O.O:

Copy for kind information to the Controller of Mines (EZ), Indian Bureau of Mines, CP-13, Sector V, Salt Lake City, Kolkatta- 700 091.

(बाबुलाल गुर्जर)
क्षेत्रीय खान नियंत्रक

Scrutiny comments of Modification of Review of Mining Plan of Raikela Iron Ore Mine of M/s Geetarani Mohanty submitted under Rule 17(3) of MCR, 2016

GENERAL

1. In the submission letter of the document mentioned as Modification of Review of Mining Plan, however in the soft copy of document it is mentioned as Modification of approved Mining Plan. The earlier approved Review of Mining Plan approved on 18.11.2020 is valid till 31.03.2026. Hence, the present submission is to be submitted as Modification of Review of Mining Plan. At every places of the document the Modification of Mining Plan to be replaced as Modification of Review of Mining Plan.
2. The final copies of the document shall be digitally signed by the Qualified Person and Nominated owner.
3. The soft copy of document should preferably be submitted in excel(.xls)/word format. The plates/plans are to be submitted in .kml/.kmz/.shp format and .dwg file. All the annexures shall be submitted in soft copy.
4. The final copies of the document to be submitted in 3 (three) hard bound copies in A4 size printable paper. The consents and certificates by the Lease holders/Qualified Person and copy of bank Guarantee shall be attached in hard copy of document. Three hard bound copies of plates/plans were also submitted. The plates/plans are to be output of AutoCAD software.
5. List of plates and annexures should be properly indexed with page nos. and in case of plates the scale should also be mentioned.
6. Mine code to be furnished in cover page.
7. Before general information Mining plan at a glance to be inserted as per format enclosed as Annexure-I.
8. Before general information an introduction to be furnished incorporating the history of lease details.

CHAPTER-1: GENERAL INFORMATION

1. Para 1.1.1: Initial/subsequent Lease grant details: The information of initial grant was furnished only. The information on subsequent extension and execution of supplementary lease deed also to be given.
2. Para 1.2: Land ownership details: The land schedule furnished not matched with the lease area. The same to be rectified and complete information submitted as per lease deed. The nature of forest land should be clearly specified as reserve forest/village forest.
3. Para 1.3.4: Statutory Compliances : The EC capacity and SPCB approval i.e CTO and CTE should be in tonne.

CHAPTER-2: GEOLOGY AND EXPLORATION:

4. Para 2.1.2: Details of Physiographic features and Infrastructures available in and around the lease/ block area:- The information on nearest surface water source present within 5 km to be submitted in the 3rd column of the table. The public road i.e. State Highway present not within lease area adjacent to lease and information should be furnished in the in the 3rd column of the table. The railway track present in 17 km distance from lease area need not be furnished as the information required within 5 km of lease area.
5. Para 2.2.1.10: Chemical Analysis: The bore hole information should be submit in soft copy in csv/excel files which include collar file, survey file, geology log file and RQD file as annexure.
6. Para 2.2.1.14: Area Covered under Exploration: The non-mineralised area as per modification of Review of Mining plan approved on 01.07.2021 is 3.054 ha and in present submission is 2.00 ha. The variation to be clarified and accordingly the geological plan updated/corrected.
7. Para 2.2.2.7: Exploratory Drilling: The information not matched with earlier approved document. The number of bore holes in text and plate are not matched.
8. The reserve/resources should be estimated as per methodology of earlier approved document.

Chapter-3: Mineral Beneficiation:

9. Para 3.1: Mineralogy of the ROM ore/ Mineral- The name of valuable mineral to be furnished.
10. Para 3.5.3: Product Quality: The product generated in dry screening should be furnished.
11. Para 3.9: Overall water requirement of mining and mineral processing: The water balance chart should be submit as annexure.

Chapter-4: Mining Operation:

12. Para 4.2.1.1: Pits: The area covered by pit should be submit in ha.
13. Para 4.2.1.2: DUMPS & STACK: The mineral reject dump details to be furnished.
14. Para 4.2.2.1: Bench Parameter: The bench parameter in case of overburden was left blank, the same to be filled. The maximum depth of working and depth of water table should be submit in meter.
15. Para 4.2.2.2: Year wise Opencast Development: The recovery percentage and tonnage calculation of waste for the year 2020-21 is not correct. The same to be corrected. In location of advancement it was filled insitu, the same to be replaced by coordinate of location of development. The column OB to Ore ratio not furnished, the same to be added. The year wise, section wise calculation of Ore and OB to be submitted in annexure.
16. Para 4.3.4: Calculation Summary: The saleable ore from ROM for the year 2020-21 is not correct. The same to be corrected. The total salable and total quantity handled is also to be corrected.

17. Para 4.4: Machine Calculation: The machinery calculation to be checked and properly calculated considering total maximum excavation.
18. Para 4.7.1: Existing Dump: The area covered by waste dump is mentioned 2.0 ha in para 4.2.1.2.1 and in para 4.7.1 it is mentioned as 1.667 ha. The same to be corrected.
19. Para 4.8: Mineral Waste Handling To Utilize As Minor Mineral: The same was written as not applicable, however the table filled. It was proposed to dispose 48400 tonne of waste from Dump-4 as minor mineral (morrum). However, no waste dump-4 present in lease area and the nature of waste generated includes laterites, shale & BHQ/BHJ. The information to be corrected. The nature of waste generated and stacked in dump should be clearly described with analysis report to be submitted an annexure.
20. Para 4.9: Use of Minerals: The use of mineral may be furnished.

Chapter 5: SUSTAINABLE MINING:

21. Year wise proposal to be given in all aspects for development of community around the lease area. The cumulative work done / measures taken to be furnished.

Chapter 6: PROGRESSIVE MINE CLOSURE PLAN

22. Para 6.2.2.1.1: Drilling Holes: This para related to ground water recharging not for exploratory bore holes. The information may be corrected.
23. Para 6.2.2.2: Protective measures: The proposal of construction of retaining wall and garland drain is not matched with plate.
24. Para 6.2.3.1: Cumulative work done (upto end of previous block of five years): This para left blank. Information to be submitted.
25. Para 6.2.3.2: Year Wise Proposal: The estimated expenditure left blank.
26. Para 6.2.11: Land use of lease area at the expiry of lease period (conceptual stage): Reclamation/rehabilitation to be proposed for total degraded area.

Chapter 7: FINANCIAL ASSURANCE/ PERFORMANCE SURETY

27. The area put to use at start of year for the year 2024-25 is incorrect. The same to be corrected.

CHAPTER-8: REVIEW OF PREVIOUS PROPOSALS

28. The review of proposal for the previous 5 year plan period to be furnished.

Chapter 9: IMPACT ASSESSMENT

35. This chapter is applicable for fresh grant cases and to be deleted.

Annexure

1. All the lithologs with chemical analysis of the all the exploration work carried out till date should be submitted.
2. Financial assurance in the form of Bank guarantee under Rule 27 of Mineral Conservation and Development (Amendment) Rules, 2021.
3. Certificate from qualified person regarding authenticity of information submitted is to be attached.

Plates

4. The protective measures proposed in text and plate i.e PMCP plan/dump plan and section not matched. The same to be corrected.
5. Financial Assurance Area Plan: The area put to use at start of year is not correct in the plotted land use table. The same to be corrected. The area used for settling pond is not calculated for FA area. The same to be calculated and according necessary correction to be carried out.
6. After checking SHAPE/KML/DWG files following observation are find out.
 - The index, template, date of survey, marking of North are not available in plan submitted in .dwg format.
 - Surface geological section, yearwise development section not submitted in .dwg/pdf format.
 - SHAPE file submitted by lessee of all relevant plan not in order. .Shp file of surface plan, geological plan are not run properly as some bake up files are missing. Shape file of all plans should be resubmitted with all back up files.
 - Spatial location of lease in Financial assurance plan is not match with original location of lease. Location of lease in surface plan and FA plan are different. Drawing should be resubmitted with needful correction.

Annexure-I

AT A GLANCE INFORMATION	
1	Name of the Applicant /lessee
2	IBM Registration no
3	Address of Applicant
4	Name of Mine
5	Minocode
6	Lease area in hecets.
7	Forest area
8	Name of Mineral
9	Lease period from to
10	Plan proposal period-
11	Mineral Reserve (111& 112) in tonnes
12	Mineral Resources (211, 221,222, 331, 332, 333&334) in tonnes
13	Production proposal (1 st yr) in tonnes 2022-23 (Mineral Name)
14	Production proposal (2 nd yr) in tonnes2023-24
15	Production proposal (3 rd yr) in tonnes2024-25
16	Production proposal (4 th yr in tonnes2025-26
17	Production proposal (5 th yr) in tonnes2026-27 (include only saleble/ usable & sub grade mineral)
18	OB/Waste handling proposal 1 st yr CUM
19	OB/Waste handling proposal 2nd yr CUM
20	OB/Waste handling proposal 3rd yr CUM
21	OB/Waste handling proposal 4th yr CUM
22	OB/Waste handling proposal 5th yr CUM
23	Present EC permission in tonnes(Mineral or ROM)
24	Plantation proposal in five years in numbers
25	Plantation area proposal in five year(ha).
26	Back filling proposal in hecets in five years

27	<i>Check Dams numbers in five year</i>	
28	<i>Garland drain in meters five years</i>	
29	<i>Settling ponds (Numbers)</i>	
30	<i>Area put to use at end of five year in ha</i>	
31	<i>Bank Guarantee Amount Rs</i>	
32	<i>Validity of BG upto</i>	
33	<i>Any other important information</i>	
34	<i>Percentage of revenue sharing bid in case of auction grant of block</i>	
35	<i>Amount of performance security and details if any</i>	