



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

75
आज़ादी का
अमृत महोत्सव

BY EMAIL
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Plot No.149, Pokhariput
BHUBANESWAR-751020

No. BBS/KJR/MN/2168/MPM/2022-23

Date: 25.04.2022

To

Shri Murari Lal Sharma, Director,
M/s Agrasen Sponge Pvt Ltd,
At-Mandiakudar, PO-Chungimati,
Kansbahal, Dist- Sundargarh,
Odisha-770034, Email-agrasensponge@gmail.com

Sub: Approval of modification of Mining Plan along with Progressive Mine Closure Plan under Rule 17(3) of MCR'2016 of Katasahi Manganese Mine of M/s Agrasen Sponge Pvt Ltd over an area of 200.509 ha (As per DGPS) / 196.86 ha (As per RoR) in Keonjhar district of Odisha.

Ref: - Your letter No. ASPL/KTS/2022-23/91 dated 05.04.2022 received on 07.04.2022.

Sir,

This has reference to the letter cited above on the subject. The draft modification of Mining Plan along with Progressive Mine Closure Plan (PMCP) has been examined in this office based on site inspection carried out on 22.11.2021 by Shri Ashok Kumar 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 Mining Plan in the light of the contents vide Annexure-I and submit:-

- (i) Three (3) firm bound copies of text (A4 size printable paper), plate/plan and Annexure 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 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. All the annexures shall be submitted in soft copy.

The aforesaid final copies of the document will be submitted within **15 (Fifteen)** days from the date of issue of this letter, for further necessary action.

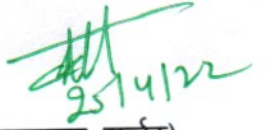
The para-wise clarifications and the manner in which the deficiencies are attended should invariably be given while forwarding the final copies of the modification of Mining Plan. It may be noted that no extension of time in this regard will be entertained and the modification of Mining Plan will be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

(बाबुलाल गुर्जर)

क्षेत्रीय खान नियंत्रक

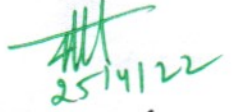
Copy for kind information and further necessary action to Shri S.C. Nayak, M/s MINESKETCH Consultants (P) Ltd, Flat No-205, Bhagwan Tower, Cuttack Road, Bhubaneswar-751006. Email- mcpl762005@gmail.com


25/4/22

(बाबुलाल गुर्जर)

क्षेत्रीय खान नियंत्रक

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


25/4/22

(बाबुलाल गुर्जर)

क्षेत्रीय खान नियंत्रक

Scrutiny comments of Modification of Mining Plan of Katasahi Manganese Mine of M/s Agrasen Sponge (P) Ltd submitted under Rule 17(3) of MCR, 2016

GENERAL

1. The final soft copies of the document shall be digitally signed by the Qualified Person and Nominated owner.
2. The soft copy of document should preferably be submitted in excel(.xls) as well as word/pdf format. The plates/plans are to be submitted in .kml/.kmz/.shp and .dwg format. All the annexures shall be submitted in soft copy.
3. Mining plan at a glance to be inserted as per format enclosed as Annexure-I on starting of the text .
4. Before general information an introduction to be furnished incorporating the history of lease details. Also, information to be submitted as per following table in introduction:

Year	Existing proposal	Modification proposed	Reason of modification
2022-23			
2023-24			
2024-25			

CHAPTER-1: GENERAL INFORMATION

5. Para 1.1: Lease details: The type of lease is to be furnished as existing lease. In category of mine it is to be furnished as A-mechanised.
6. Para 1.1.1: Initial/subsequent Lease grant details: In grant column it is to be furnished as initial grant..
7. Para 1.1.2: Mining Plan submission Criteria details: The reason of the reason of modification of mining plan as furnished in the draft document is not justified as per Rule 17(3) of MCR, 2016.
8. Para 1.2: Land ownership details: The khasra number not furnished. The same to be rectified and complete information submitted as per lease deed. In type of land it should be furnished as forest/non-forest/private/govt land. The nature of forest land should be clearly specified as private agriculture/ private non-agriculture/ reserve forest/village forest/govt waste land/ govt grazing land.
9. Para 1.3.5.1: Location of Boundary Pillars:- The latitude and longitude of boundary pillar should be furnished in dd:mm:ss.ss format as well as UTM.

CHAPTER-2: GEOLOGY AND EXPLORATION:

10. Para 2.1.2: Details of Physiographic features and Infrastructures available in and around the lease/ block area:- The details of features and infrastructure available within lease area need not be furnished in 3rd column .

11. Para 2.1.4.3: Thickness of various litho units (minimum and maximum) as encountered in the bore holes drilled are to be furnished.
12. Para 2.2.1.7: Exploratory Drilling: The information on exploration status not matched with the geological report. 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. Copy of form-I & J should be submit in annexure.
13. Para 2.2.4.2: Resource Calculation:- The resource estimated is different from resource furnished in geological report. As no exploration carried out it should be match with GR after depleting production achieved.
14. Para 2.2.5: Future Exploration Proposal – The exploration proposal to be modified and needs to be proposed same as per earlier approved mining plan.

Chapter-4: Mining Operation:

15. Para 4.2.1.2.1: Dump details: The waste dump D1 is active dump whereas the same furnished in para 4.2.1.3 as stabilized dump. The other small dump details to be furnished or deleted.
16. A number of pits proposed for production, the proposal to be modified with proposal from one pit till exhaustion of mineral and the same area then to be proposed for backfilling in view of systematic and scientific mining.
17. Para 4.2.2.2: Year wise Opencast Development: Total ROM volume to be given. The 40% waste generated to be given in production associated column. The recovery of MR, saleable ore and waste should be furnished in recovery column. The year wise, section wise calculation of Ore and OB to be submitted in annexure. In earlier approved mining plan recovery of saleable i.e. +25% Mn is proposed as 70% of production of ROM, variation in present submission to be justified.
18. Para 4.4: Machine Calculation: The maximum handling of material considered for machine calculation is not correct. The same to be corrected in excavator and dumper calculation.
19. Para4.5: Blasting requirement: The yield per hole, explosive requirement and powder factor is not calculated properly. The same to be checked and corrected.
20. Para 4.7.1 & 4.7.2: New Dump: In para 4.2.1.2 the dump D2 shows as inactive and stabilized dump. However, dumping over the same proposed. Further, the waste generation proposed not matched with the dumping and backfilling. Check and correct the same.
21. It was proposed for back filling near quarry 6 & 7, however Mn ore proved in borehole no. BH-202 and no BH log attached in the document for the bore holes below backfilled area i.e. BH-203 & 207. The area to be explored as non-mineralised before backfilling. An annexure to be attached in the document extracting from GR report with serially bore hole number.
22. Three new dumps proposed during the modification period and one stack yard proposed between two waste dump which leads to dilution of ore and waste. The waste dump-D5 & D-6 may be merged to one. Also the dump D2 and D4 may be merged to one.

Chapter 5: SUSTAINABLE MINING:

23. Year wise proposal to be given in all aspects for development of community around the lease area.

Chapter 6: PROGRESSIVE MINE CLOSURE PLAN

24. The retaining wall and garland drain to be proposed around the new waste dump as well as maintenance of the existing.

CHAPTER-8: REVIEW OF PREVIOUS PROPOSALS

25. In Review of proposal, the proposal and achievement to be furnished year wise for the year 2020-21 and 2021-22 with reason of deviation.

Chapter 9: IMPACT ASSESSMENT

26. Although this chapter is for fresh grant as per the prescribed format; all the para-wise information needs to be furnished in the text along with supporting document if any.

Annexure

27. Some bore hole logs are missing like BH-203, BH-206-211. An annexure to be attached in the document extracting from GR report with serially bore hole number.
28. Pre-Feasibility Study report conforming to Part V of Minerals (Evidence of Mineral Contents) Rules, 2015 has not been submitted particularly with reference to Cost and revenue factors such as the derivation of, or assumptions made, regarding projected capital and operating costs, the assumptions made regarding revenue including head grade, metal or commodity price(s) exchange rates, transportation and treatment charges etc., the allowances made for royalties payable, both Government and private, accordingly basic cash flow inputs for a stated period, Yearly planned production, Net Present Value (NPV) and Internal Rate of Return (IRR) of the deposit, intrinsic value of the deposit based on annual projected production. The economic viability of the deposit is not carried out as per guidelines.
29. under 9.0 of the prefeasibility report , this is to be clearly mentioned in the certificate “ that the contents of the prefeasibility report as per part -V of MEMC rules are discussed/furnished correctly. Hence based on the Pre -feasibility study report, it is concluded that the project will be in profit or in Loss “. Need correction.

Plates

30. All the plans should be submitted as hard copies and also soft copies in KML/KMZ/SHP/.DWG as prescribed in the templates. All the plans and sections are needs to be prepared on UTM grid.
31. Geological Plan:- The exploration proposal to be revised with proposal as per the earlier approved mining plan.
32. Geological Section:- The Proposed boreholes to be plotted in geological section with dotted line.
33. Development Plan:- The proposed year wise proposed benches should be shown in bold line with RL in different color. The year wise waste dumping proposal also to be shown in development plan to RL of dump terrace. The year wise development plan and sections and composite development plan to be submitted.
34. Development section:- The UPL and development proposal to be shown in different color code for easy identification.

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	Mine code	
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 2020-21	Not applicable
14	Production proposal (2 nd yr) in tonnes 2021-22	Not applicable
15	Production proposal (3 rd yr) in tonnes 2022-23	
16	Production proposal (4 th yr) in tonnes 2023-24	
17	Production proposal (5 th yr) in tonnes 2024-25	
18	OB/Waste handling proposal 1 st yr CUM	Not applicable
19	OB/Waste handling proposal 2nd yr CUM	Not applicable
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	Check Dams numbers in five year	
28	Garland drain in meters five years	
29	Settling ponds (Numbers)	
30	Area put to use at end of five year in ha	
31	Bank Guarantee Amount Rs	
32	Validity of BG upto	
33	Any other important information	
34	Percentage of revenue sharing bid in case of auction grant of block	
35	Amount of performance security and details if any	