



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. BBS/SNG/IRON-BXT/2176/MRMP/2022-23

Date: 29.07.2022

To

Shri Hirak Mazumdar, Director & Nominated Owner,
M/s Rungta Sons (P) Ltd,
Main Road, Barbil,
Dist- Keonjhar, Odisha-758035
Email-bbloffice@rungsontsons.com

Sub: Approval of modification of Review of Mining Plan of Sanindpur Iron & Bauxite Mine along with Progressive Mine Closure Plan (PMCP), over an area of 147.10 ha in Sundargarh district of Odisha State, submitted M/s Rungta Sons (P) Ltd under Rule 17(3) of MCR, 2016.

Ref: - i) Your letter No. RSPL/BBL/GEO/2022-23/560 dated 10.07.2022.

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 site inspection carried out on 20.07.2022 by Shri Rajesh Kumar Das, Deputy Controller of Mines. 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, annexure 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 text of document should be in excel(.xls)/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.
- (iii) Financial assurance under Rule 27 of Mineral Conservation and Development (Amendment) Rules, 2021.
- (iv) It is also advised to submit all details of mining plan online on <https://miningplan.ibm.gov.in> simultaneously for processing.

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,



(बाबुलाल गुर्जर)
क्षेत्रीय खान नियंत्रक

Copy for kind information to:-

(i) The Controller of Mines (EZ), Indian Bureau of Mines, CP-13, Sector V, Salt Lake City, Kolkatta- 700 091.

(ii) Shri Abhijit Sen and Shri Saroj Kumar Das, Email- abhijitbbl@gmail.com.

(बाबुलाल गुर्जर)
क्षेत्रीय खान नियंत्रक

Inspection Report cum Scrutiny comments on the Modification of Review of Mining Plan for Sanindpur Iron & Bauxite Mine over an extent of 147.10 Hectors in Sanindpur Village, Tehsil Koira& District Sundergarhof M/S Rungta Sons (P) Ltd by Rajesh Kumar Das, DCOM dated 20.07.2022

1. Last Modification of Review of mining plan was approved on 9/4/2021 and again modification of earlier approved document is submitted which is not in accordance with provision of rule 17(3). From past record it shows that this is fourth mining plan document submitted since year 2020-21. This shows very causal approach in preparation of mining plan document by applicant. Justification/ explain why this document is to be considered for modification at this stage.
2. The production proposal given for 2022-23 & 2023-24 in last approved document (modification in Review of Mining Plan, approved on 09.04.2021) was 12 million tons and 15 million tons respectively but now it is decrease to 7.88 million tons & 13.50 million tons. Change in production planning is not supported with justifiable reasons.
3. The cover page should be as per format. There are many information not furnished in the cover page i.e. lease period, mining Plan Period, Address, phone no.,& e-mail of Qualified, phone no. of lessee. The correction to be done accordingly.
4. The lease boundary pillars co-ordinates should be authenticated by state government (DGM) therefore the DGPS co-ordinates furnished in the text and plates should be clearly mentioned it is authenticate by state govt or not.
5. At a glance information before introduction needs to be given as per enclosed annexure -1
6. Modification sought needs to be furnished in following table in introduction chapter.

Item for Modification sought -	Year	Existing as per approved mining plan.	Modified proposal as submitted in modification	Reasons of same
a) Exploration	2022-23			
	2023-24			
	2024-25			
b) Production				
c) Location				
d) Others				

7. **Reasons for modification:** The considered for Reasons for modification is not proper needs clarification-
 - i. The reasons for given as point no 1 is already incorporated in last approved. document (Modification in Review of mining plan) approved dated 09.04.2021 as the forest clearance given 2020 therefore it is not appropriate in present case.
 - ii. In the same manner the reasons given in point 4 is also vague.
 - iii. In earlier document the avg. Bulk density is considered for resource establishment as 2.55T/m³ for ore and 2T/m³ for OB but in present document

it is considered as 3.06 T/m³ for Ore which is 20% more than earlier but OB bulk Density is same. The agency for Bulk Density is same in both the case M/S Mitra S.K.(P) Ltd. The mine is running since long time and this variation shows that there is lot of discrepancies in earlier dispatch quantity if the variation observed is correct.

8. In proposed production of ROM it is mentioned that recovery of +58% Fe is 90% and rest 10% is below 58% Fe material. The document in support of recovery of insitu material should be enclosed.
9. The experience Certificate of Qualified person should be as per Rule 15(1)(b) of MCR,2016. The experience enclosed is not having date of issue neither year of experience. (Annexure 12,12A,12B)
10. The information furnished in Para 2.1.2 should be reviewed and accordingly information to be furnished. The information should be given as per heading given. Inside lease area or outside lease (within 5 km) and rest information should be given in remarks column. In given column Railway track is mentioned inside lease which is not there inside ML. The correction to be done.
11. Mining: As per the existing practice the mine is operated with more than 30 nos dry processing unit, dumpers for transportation and hauling is more than 130 unit of 40 tons,excavator and loading equipment more than 170 units. In addition others mine equipment operated. The mine machinery requirement should be revised with increase capacity in the view of systematic and scientific mining. The mine is having lease area of 147 ha. And plying so much machineries of small capacity is not feasible and systematic. The mobile crusher of small capacity should be replaced with comparable capacity as the production enhancement is proposed and accordingly excavator-Dumper combination should be match with proposed excavation. The proposal should revise accordingly.
12. As a result of above point it was observed during mine visit that there are more than 25 temporary mineral stack/fines stacks within lease area and most of them are within in mine pit/excavation area and the same also reflected in surface plan. The stacking proposal should be revised accordingly.
13. In Para 4.2.1.3 details of stabilized dump it is mentioned as nil but during mine visit it was observed that Dump-B stabilization work with coir mating is under progress but the same is not incorporated. The Para should be revised accordingly with actual work.
14. In Para 4.3.3 Dump working is proposed and two dump B & C is proposed for rehandling. The dump B is considered as waste dump and used for waste dumping and proposal given upto last approved document which approve in 2021. Now it is mentioned that it is mineral dump of avg. grade of 58% Fe. The study report in support for such proposal should be enclosed with quantity,quality, recovery factor and bulk density of dump material from Govt lab/NABL lab. The Dump C is not marked in surface plan. The dump proposal should be revised as per lab result.
15. The dumps should be proposed with terracing and proper protective measures for stabilisation of dumps proper protective measures and there should be proposals of gully plugs, settling tanks, check dams, etc for zero discharge of mine water directly and silt should not be discharge outside lease area.
16. During mine visit it was observed that electric line is passing inside lease area and some part along lease boundary. There should not be any proposal mining and allied activities within safety barrier as per statute from Electric line and safety barrier should be marked in respective plans and sections.

17. In Para 4.6.7 information regarding supervision is mentioned as NA. The same should be revised as per actual proposal.
18. In Para 5.1 regarding Compliance of Vishakha Committee Guidelines for prevention of women harassment at workplace is mentioned not applicable. The same may be clarified.
19. In Chapter 5 for Sustainable mining the information should be furnished as per table given and not leave blank if the data is nil type nil or if the point is NA type the same but not leave blank. The information regarding cumulative figure yearwise for CSR activities is not correct. The correction to be done accordingly.
20. In Para the backfilling proposal given is not matching with volume of material and area considered. The RL difference is 75 meter. The same should be reviewed and accordingly correction to be done.
21. In Para 6.2.2.2.3 the proposal is given nil in 2023-24 & 2024-25 for garland drain. The average rainfall is reported more than 2000mm still nil proposal. The correction to be done.
22. The status of landuse furnished in Para 6.1 is not matching with the information for landuse furnished for calculation of financial assurance. The same should be review and accordingly correction to be done.
23. Review of previous proposal: The following discrepancies observed in the given Para-
 - i. The information furnished for lease area utilization in table 8.1.1 it was observed that there is deviation in landuse but it is mentioned nil and reasons for deviation also not mentioned.
 - ii. In Para 8.2.1 for exploration total meterage achievement w.r.t proposal is less but the information and reasons not furnished.
 - iii. The dumping is proposed in Dump B & dump D but actual done in Dump D but in deviation it is mentioned as NA and reasons also not given.
 - iv. In Para 8.2.3 for dump mining waste generated post mining is given as nil. This shows 100% recovery of mineral from waste dump. The same should be clarified.
 - v. In handling of mineral reject the achievement is shows nil but in last approved document in surface plan the existing of Dump A (Mineral reject dump shows but in present document the dump is not shown and pit extent in that area. The same should be clarified.
 - vi. In Para 8.3 for Socio economic the review is given for 2020-21 is not required as the last document approved on 09.04.2021 therefore only review should be given for 2021-22.
The correction to be done accordingly.
24. The information of Chapter 9 Impact assessment also to be furnished.

Plates:

25. The lease sketch enclosed is not properly visible and the lease area to be marked and index.
26. As per format the Geo referenced Cadastral plan duly approved by state Govt.(DGM) is not enclosed.
27. Plat no.I (key plan): The details of the deficiencies found on the plate are as follows
 - (i) The road to be marked with different colour line differentiating whether it is village, public road, highway, etc and also it should marked properly in index.
 - (ii) The forest area, govt. land, agriculture land, etc should be marked in the plate and also in index. The adjacent lease and other things to be shown and index.
 - (iii) The adjacent leases in buffer zone should be marked.

- (iv) The plate to be indexed properly, different colour code should used for showing different features. The index colour code and plan code not matching.
- (v) Population of the villages falling within 5 km radius to be furnished in tabular form.
28. **Surface Plan(.KML /.KMZ/.SHP format)**: The Plan should be submitted showing different color codes for:(1) Active Pits & Excavation area(2) Excavated area reclaimed & rehabilitated (3)Active dumps (4) Stabilized & rehabilitated dump area , (5) Green belt (6) Mineral Stacks (7) Utilities such as plant, buildings etc. (8) Lease boundary.
29. The DGPS co-ordinates of boundary pillar is not shown in the plan authenticate by state govt. (DGM).
30. **Five year Production and Development plan(.KML /.KMZ/.SHP format)**:The Plan should be submitted showing different color coding for: (1) Active Pit and Excavation area , (2) Year wise excavation proposal for year 2022-23 to 2024-25 ((3) Active dump and year wise dump proposal for year 2022-23 to 2024-25 (4) Year wise Dump working proposal for year 2022-23 to 2024-25 (6) Lease boundary (with reference to chapter 4).
31. The production and development plan should be as per proposal given in text where it is mentioned that bench height is 9 m and width should not be less than 20 meter. The yearwise dump proposal bench advancement should be given with different colour codes and top & bottom RL and same for the ramp.
32. **Surface Geological Plan & Section:** In the given plan following deviation observed:
- i. The ultimate pit limit marked in section is not proper and it is changing from one section to other in shape and vertical extent. The same should be reviewed and accordingly the correction to be done as per practical mining can be done.
 - ii. In the given plan the boreholes shown should be furnished with the holes collar and depth as per log.
 - iii. In the given plate the negative bore holes to be marked and accordingly the ultimate pit limit and non-mineralised zone should be marked in plan and index.
 - iv. The section line should be marked in the plan.
 - v. The reserve calculation through section of ore body(111 category) shown in section is not matching with the information furnished in table 2.2.4.12 i.e section E300 & E200.The maximum depth as per section 40m & 80m respectively but in table it is mentioned 50& 87m. The same to be revised accordingly
The correction to be done.
33. **Progressive Mine Clouser Plan (.KML /.KMZ/.SHP format)**: The Plan should be submitted showing different color coding for : (1) Yearwise excavated area Reclaimed & rehabilitated for year I to V (2) Year wise dump area to be stabilized and dump area to be rehabilitated for year I to V (3) Year wise Green area proposed from year I to V.(4) Any other reclamation and rehabilitation measures proposed.(5) Lease boundary (with reference to chapter 6).The plan is missing.

34. **Conceptual Plan and section (.KML /.KMZ/.SHP format)**: The Plan should depict the status of lease area as envisaged at the end of life of Mine. Status of land use shall be depicted by different color coding.
35. **Environmental Plan(.KML /.KMZ/.SHP format)**: shall be prepared as per MCDR, 2017 Rule 32(5)(b).
36. All the plates should be index properly as the features shown in the plan with the same colour code for clarity and signed with date. The plan and section attached should be marked with scale; True north, Latitude & Longitude and section should be as per plan. The ultimate pit should be shown in plan and section and should be visible. The name of mine, Lessee, name
37. The list of Annexures and list of Plates as per format should be enclosed in final copy.
38. The Consent letter/undertaking/certificates also to be enclosed in final copy.
-

Annexure

Format for preparation of Mining Plan/Modified Mining Plan/Review of Mining Plan
COVER PAGE

Mining Plan /Review of Mining Plan / Modifications in Approved Mining Plan of -----
-----Mine / Deposit over an area of ----- ha submitted under Rule 16(1)*/17(2)*/17(3)* of
Minerals (Other than Atomic and Hydro-Carbons Energy Minerals) Concession Rules, 2016.

<i>Mine/ Deposit Name-</i>	
<i>Mining Lease no-</i>	
<i>MineCode-</i>	
<i>In Villages-</i>	
<i>Tehsil-</i>	
<i>District-</i>	
<i>State-</i>	
<i>Total-Lease area-</i>	
<i>Forest Area-</i>	
<i>Non Forest area-</i>	
<i>Lease period-</i>	
<i>Mineral-</i>	
<i>Proposed category of Mine-</i>	
<i>Mining plan period-</i>	
<i>Working proposal period-</i>	
<i>Applicant/lessee-</i>	
<i>IBM Registration no-</i>	
<i>Address -</i>	
<i>Phone-</i>	
<i>Email-</i>	

Prepared by-	
Qualified Person Name-	
Address-	
Phone-	
Email-	

AT A GLANCE INFORMATION	
1	Name of the Applicant /lessee
2	IBM Registration no
3	Address of Applicant
4	Name of Mine
5	Minecode
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 salable/ 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	<i>Present EC permission in tonnes(Mineral or ROM)</i>	
24	<i>Plantation proposal in five years in numbers</i>	
25	<i>Plantation area proposal in five year(ha).</i>	
26	<i>Back filling proposal in hecets in five years</i>	
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>	