



भारत सरकार/Government of India
खान मंत्रालय/Ministry of Mines
भारतीय खान ब्यूरो/Indian Bureau of Mines
हैदराबाद क्षेत्रीय कार्यालय/Hyderabad Regional Office



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Date:23.03.2021

To
Shri S.V.Laxmi Narayan, Managing Director & Nominated owner,
M/s.Sai Dharani Sponge Iron Pvt.Ltd.,
H.No. 5-90, S.R.Naik Nagar,
I.D.A.Jeedimetla,
Hyderabad-500 055.

Sub: Submission of Review of Mining Plan in respect of Sirasanambedu Iron ore and Laterite Mine of M/s.Sai Dharani Sponge Iron Pvt.Ltd over an extent of 40.469 ha. in Sy.No. 287 of Sirasanambedu Village, Pellakur Mandal, SPSR Nellore District of Andhra Pradesh under Rule 17(2) of MCR 2016.

Ref: Your letter No. nil dated 13.02.2021.

Sir,

With reference to your letter cited above on the subject, the site inspection was carried out on 06.03.2021 by Shri S.K.Muduli, JMG accompanied by Shri P.R.Mishra, Qualified Person. The draft Review of Mining Plan has since been examined, the scrutiny comments have already been forwarded to you and your Qualified Person on respective e.mail ids i.e., saidharanispongeironpvtltd@gmail.com and earth_environment2008@yahoo.com as submitted in the document.

02. You are advised to attend these deficiencies as per the annexure and resubmit the document, complete in all respects, in three bound copies along with soft copy in the form of CD (4Nos.). In this regard, you are directed to submit the Financial Assurance in the form of Bank Guarantee for the area put to use for Mining and allied activities @ Rs.Three lakhs/hectare for category 'A' mines provided that the minimum amount shall be Rs.Ten lakhs as per the provision of Rule 27(1) of MCDR, 2017 at the time of submission of final copies of the document within 15 (fifteen) days from the date of issue of this letter, failing which the document will be disposed without giving any further opportunity.

03. The para-wise clarification & the manner in which the deficiencies are attended should be given while forwarding modified document.

Yours faithfully,

Shilendra Kumar
23/3/21

(Shailendra Kumar)

Regional Controller of Mines

Copy to Sri P.R.Mishra, Qualified Person - for information and necessary action.

Shilendra Kumar
23/3/21

(Shailendra Kumar)

Regional Controller of Mines

मूलपतिपरनहीं

खाननियंत्रक (द), भारतीय खानब्यूरो, बेंगलुरु।

शैलेन्द्र
23/3/21

(शैलेन्द्र कुमार)

क्षेत्रीय खाननियंत्रक

SCRUTNY OF REVIEW OF MINING PLAN OF SIRISANAMBEDU IRON ORE MINE OF M/s SAI DHARANI SPONGE IRON PVT LTD OVER AN EXTENT OF 40.469 HECTRES IN SIRASANAMBEDU VILLAGE, PELLAKURU MNADAL, NELLORE DISTRICT IN ANDHRA PRADESH, DATE OF INSPECTION-06.03.2021.

General

- 1) The mining Plan document should be prepared as per the format prescribed in IBM Manual on appraisal of Mining Plan-2014.
- 2) As per the Section 8A (3) of the Amended MMDR Act-1957 in 2015, all mining leases granted before the commencement of the Mines and Minerals (Development and Regulation) Amendment Act, 2015 shall be deemed to have been granted for a period of fifty years. After amendment of the said act no Modification of Mining Plan has been approved towards change in lease period. Hence The document heading to be submitted as "Modification of Mining Plan" instead of Review of Mining Plan including Progressive Mine Closure Plan" of Mining Plan. Accordingly the rule position under which the document has been submitted should be mentioned in cover page and other relevant places. The reason for submitting Modification of Mining plan needs to be submitted.
- 3) Affidavit signed by the Nominated Owner regarding "Not violated any lease deed condition and also for not receiving any adverse order from the State Govt" should be submitted.
- 4) As per rule 13(2) of MCR-2016 progressive mine closure plan is part of Mining Plan, hence it is not required to be mentioned in heading at cover page. Category of mines be mentioned as Opencast -Category-A.
- 5) The board resolution submitted in respect of the Nominated Owner is of 20.06.2012.Fresh Board resolution needs to be submitted in respect of the Nominated Owner.
- 6) Minerals apart from Iron Ore which are included in the lease deed needs to be mentioned at 1(d).
- 7) Authenticated Lease Sketch along with the Lease boundary pillar coordinates needs to be submitted and the boundary pillar co-ordinates needs to be mentioned in text.
- 8) In the Consent letter the name of the Nominated Owner should be there.
- 9) Kml files in respect of boundary pillars, land put to use and proposal should be submitted separately and the excel table towards area put to use should be submitted.
- 10) The status lease period extension by the state govt needs to be submitted at introduction.

Details of approved Mining Plan / Scheme of Mining

- 11) Details of the approved Mining Plan/Review of Mining Plan/Modification need to be submitted in tabular form.
- 12) Status of compliance of violations pointed out by IBM needs to be submitted.
- 13) Reason for deviation in Exploration and Production needs to be submitted.
- 14) The reason temporary discontinuance and details of order received for stoppage of mining operation needs to be submitted.

Geology

- 15) In the details of exploration carried out details of all the existing mining pits needs to be submitted as per the field positions.
- 16) In Mining Pit-8 and Pit-9 Phyllite/Shale has been found to be exposed in the pits, the Lithology needs to be submitted accordingly in the Geological Plan.
- 17) The Local lithological succession and its thickness in range form need to be submitted as per the exploration carried out.
- 18) Exploration including to the pending exploration needs to be proposed to explore the entire deposit in G1 level of exploration.
- 19) Reserves/Resources has been submitted the same as in the last approved Review of Mining Plan even after subsequent production after approval of RMP. The Reserves/Resources needs to be updated afresh on the basis of updated Geological Cross Section, UPL and other parameters. The updated detailed table towards reserves/resource estimation needs to be submitted.
- 20) Fresh Recovery study report from any NABL Laboratory or any Govt Organisation needs to be submitted because as per the last approved Mining Plan document the submission made in respect of Laterite recovery and its production is not in consonance with the Geology mentioned in text, Geological Plan and Geological Cross Section, Tentative year wise production table and Production and Development Section.
- 21) Submit the feasibility study report as per the parameters specified under the UNFC field guidelines. UNFC axis wise justification needs to be submitted as per the all the parameters prescribed in the UNFC guidelines.

Mining

- 22) Average Grade of proposed year wise Iron ore production needs to be submitted.
- 23) Pit wise tentative excavation table needs to be submitted.
- 24) Proposal to be submitted dump rehandling of the existing fines dump and Mineral ROM dump.
- 25) Production and Developemnt Section also needs to be submitted in 1:500 scale for better clarity.
- 26) Conceptual Mine Planning should be submitted considering subsequent five year block period upto end of period.

Mine Drainage

- 27) Information on Ground water table and Mine workings needs to be submitted. The source of information in respect of Ground water table needs to be submitted.

Stacking of Mineral Reject and sub grade material and Disposal of waste

- 28) In the Annual returns from 2015-16 to 2019-20 submitted to this office, there are no generation of mineral reject, Laterite and waste but how ever details of Laterite Stock has been submitted. The generation of Laterite needs to be justified.

- 29) The submission in respect of dump/stack nomenclature along with type of material should match in text and plans.
- 30) **Laterite Stocks Mineral Characterisation study and recovery study of iron ore from the Laterite Stock needs to be proposed. Grade and Quantity of Laterite Stock needs to be submitted.**
- 31) Location of the entire existing Mineral reject, Sub Grade, Laterite, waste and Mineral dump needs to be submitted with co-ordinates.
- 32) The year wise proposed back filling needs to be submitted along with co-ordinates, Levels, dimension of void and Volume. Back filling needs to be proposed in area where entire ore upto UPL has been mined out.
- 33) The proposed site for top soil, waste, mineral reject and mineral is to be demarcated in the year wise production and development plan. As the dumping area is not proved for the absence of mineral, all the waste and top soil dump need to be mentioned as temporary dumps.
- 34) **During the field inspection it has been observed that there is no field evidence of Laterite Generation during mining. The sub grade iron ore fines stock has been shown as Laterite stock. The lessee's representative has also reported that the stock is having Fe% about 38% but less than 45%. Mineral Characterization and Process study for recovery iron ore having Fe% > 45% needs to be proposed and reports thereof needs to be submitted to IBM.**

Processing of ROM and Mineral Reject

- 35) Material balance chart and process flow sheet indicating feed, product, recovery, and its grade at each stage of processing needs to be submitted.

Progressive Mine Closure Plan

- 36) Separate submission of PMCP chapter as annexure is not required. Base line environmental information be submitted.
- 37) Year wise Environmental protection measures like afforestation, siltation pond, retaining bund, Garland drain, Environmental Monitoring to be proposed. Details like quantity, frequency, dimensions and their locations to be submitted in text and demarcated in the plan.
- 38) The category wise area put to use needs to be demarcated in the PMCP plan. PMCP plan needs to be updated for area already put to use and proposed to put to use for mining and allied activities and the details of area put to use in PMCP table needs to be submitted accordingly. The amount of bank guarantee to be calculated based on the updated PMCP plan.

Plans and Sections

- 39) In the Key Plan the revised topo sheet no needs to be submitted. The Key plan should be legible and contour lines need to be demarcated.
- 40) No of Iron Ore and Laterite stocks, position of bench, height of benches and extent of Mining pits (Pit-3, Pit-4 and Pit-7) have not been shown correctly. The seasonal nalla passing through the ML is not shown in the Surface Plan. The Old approved plan's surface plan has been submitted as it is. Thus the survey needs to be carried out again. An updated surface plan needs to be submitted.
- 41) Environmental plan needs to be corrected as the contour lines, hills, pits extending beyond the ML, roads, Sponge Iron Ore Plant, agriculture land, Nala and other features needs to be demarcated.
- 42) Further the Environmental monitoring buffer zone location to be demarcated in the Key Plan and core zone location to be demarcated in the Reclamation plan.
- 43) The Geological Cross section needs to be updated on the basis of Updated Surface Plan. In the Geological Cross Section the Float Iron Ore should be demarcated clearly with colour index. The Geological Cross Section should be submitted in 1:500 scale for clarity.
- 44) Five year block wise conceptual mining proposal needs to be demarcated in the Conceptual Plan.
- 45) Year wise Pit road layout for approaching the Proposed Production area needs to be shown in the Year wise Production and Developemnt Plan. The year wise production area needs to be demarcated in the section.
