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Room No.603, 6<sup>th</sup> Floor,  
CGO Towers, Kavadiguda,  
Secunderabad – 500 080  
Date. 03.06.2019.

To

Shri. G Venkata Rami Reddy, Lessee  
Sri Brahmewara Steatite and Iron Ore Mine,  
H.No. 9/282, Gowripeta,  
Bethamcherla, Kurnool District,  
Andhra Pradesh – 518 599


Sub: Submission of Final Mine Closure Plan in respect of Sri Brahmewara Steatite and Iron Ore Mine of Shri. G Venkata Rami Reddy, over an extent of 33.01 Ec. in Sy.no. 865 of Veldurthy Village and Mandal, Kurnool district, Andhra Pradesh submitted under Rule 24 of MCDR, 2017.  
Ref: Your letter no. nil dated. 27.04.2019.

Sir,

With reference to your letter cited above on the subject, the site inspection was carried out on 17.05.2019 by Sri S.K. Muduli, JMG accompanied by Shri Y Thimmaiah, Qualified Person and Shri Harshavardhan Reddy, Mines Representative. The draft Final Mine Closure Plan has been examined and the scrutiny comments have already been forwarded to you and your Qualified Person on respective e.mail ids i.e., venkataramireddygowri@yahoo.in and ythimmaiah@gmail.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 (2Nos.). In this regard you are directed to submit the Financial Assurance in the form of Bank Guarantee for the area put on 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,

  
(Shailendra Kumar)  
Regional Controller of Mines

Copy to : Shri Y Thimmaiah, Qualified Person - for information and necessary action.

मूल पति पर नहींकष्ट  
खान नियंत्रक (द), भारतीय खान ब्यूरो, बेंगलुरु।

  
(Shailendra Kumar)  
Regional Controller of Mines  
  
(शैलेन्द्र कुमार)  
क्षेत्रीय खान नियंत्रक



General

1. Category of mines to be mention as Category-A (Fully Mechanized).
  2. Status of Lease period extension to be submitted.
  3. Date of Grant of the mining lease to be submitted in the text and the GO be annexed in the document.
- Review
4. Review of earlier approved mining plan proposals be furnished in tabular form.
  5. The status of violations to be furnished in specific manner.

Geology & Exploration

6. Regional geology of the deposit be submitted.
7. Strike and dip be submitted correctly in the text.
8. Lithologies of trial pits be submitted with photographs. All the trial pits be demarcated in the Geological Plan and Geological section. In Geological section the extension of ore body has been considered in excess with the proved depth of mineralisation and it should be considered upto the depth of mineralisation proved by drilling of bore holes. All the Geological sections be updated accordingly. Based on the updated geological section, the production and development section be prepared. Trial pits co-ordinates, dimensions to be submitted.
9. Recovery test to be done on the basis of new threshold value of Hematitic Siliceous Iron Ore i.e Fe content of 35%.
10. Summarized bore hole lithologies be submitted with year of drilling, BH No, Type of bore hole, co-ordinates, collar RL, depth of bore hole, grade. In the bore hole lithologies the sample no, sampling zone, chemical analysis be furnished.
11. Laboratory analysis reports to be submitted.
12. Exploratory operation and laboratory analysis bills be submitted.
13. Quantity of sub grade mineral and mineral rejects (iron ore), crushed iron ore fines be considered as resources. Steatite reserves/resources be assessed and submitted. Proposal be submitted to establish the quantity(Fe%) of sub grade iron ore dumps, mineral reject dumps, crushed iron ore fines dumps by scientific method through a NABL Laboratory and reports of the same be submitted to IBM.
14. Category wise reserves / resources grade to be submitted. Also resources with average grades to be submitted for different scale of Geological exploration as per UNFC classification.
15. Proposal to be submitted for Rule 63 of MCDR-2017. Proposal be submitted for storing and preserving all the cores /cuttings obtained from bore holes. Identification marks be mentioned in the cores in serial manner. Proposal be submitted for storing all the crushed samples for future purpose.
16. Trenches be proposed to identify, the extension of in situ iron ore body exposed in pit-2 and also the extension of steatite ore body in eastern direction of the steatite pit. Bore holes be proposed to be drilled in iron ore body where the bore hole depths have already been mined out and also to prove the lateral extension of iron ore body in G2 scale of exploration and also where bore hole has been terminated in

mineralised zone. Further angular bore holes be proposed to be drilled upto a depth 300m or upto the end of iron ore mineralisation along the dip direction of the iron ore body. Further bore holes be proposed to be drilled in steatite ore body to explore on G2 scale of exploration.

#### Mining

17. Furnish the proposal for Sub Grade Mineral and Mineral Reject generation and its utilization/disposal.
18. Proposal be submitted for dump working and recovery of mineral study with regard to the iron ore content 35% be proposed to be carried out.
19. Proposal be submitted to separate and reduce the bench height of northern side bench no-5 as it has been merged with bench no 6 and to maintain the width of southern side bench no-3. Further proposal be submitted to maintain the height and width of benches as per the approved review of mining plan both in iron ore and steatite pit.
20. Describe briefly the layout of mine workings, pit road layout, the layout of faces and sites for disposal of overburden/waste along with ground preparator prior to disposal of waste, reject etc. A reference to the plans and sections may be given. UPL or ultimate size of the pit is to be shown for identification of the suitable dumping site.
21. Conceptual Mine planning upto the end of lease period taking into consideration the present available reserves and resources describing the excavation, recovery of ROM, Disposal of waste, backfilling of voids, reclamation and rehabilitation showing on a plan with relevant sections be submitted.

#### Stacking and Disposal

22. All the existing dumps be numbered properly and demarcated in plans. Co-ordinates, dimensions, volume and quality (Fe%) of all the sub grade dump, mineral reject dumps, and crushed fines be submitted. Also Co-ordinates, dimensions, volume of waste dump be submitted.

#### Plans & Sections

23. UTM grids be marked in the all the plan and accordingly the co-ordinates of the locations be submitted for all type of proposals.
24. UPL be accessed on the basis of mineralisation and shown in all the plans.
25. Dip and Strike of ore bodies and other lithologies where observed, Lithological contacts be shown in the Geological Plan. Scale of exploration wise area be shown in the Geological plans.
26. Approach road to pit-2 be shown in all the plans and be considered as area put to use and considered for calculation of bank guarantee amount.
27. Area put to use for mining and allied activities be submitted in the financial assurance plan in a table and also the head wise area put to use be demarcated in the financial plan in different colours/hatching and also mention the same in index.
28. Environmental plan be submitted showing all the existing features within 500m boundary with their boundary limits.
29. Reclamation plan, Conceptual Plan and section be submitted.

#### Final Mine Closure Plan

30. Terracing of waste dump be proposed and accordingly the area required for storing the waste be assessed and be submitted accordingly at all the relevant places in the plans and sections.

31. Retaining wall, Garland drain and settling pond be proposed for waste dump management and for sub grade and mineral reject dumps in case of its non disposal.
32. Plantation to be proposed all along the 7.5m boundary safety zone.
33. Propose construction of bund all around the pit to protect surface run off flowing into the pit. Rain water harvesting pit be proposed to augment ground water.
34. Barbed wire fencing all around the Pit-1 and pit-2 in iron ore and mining pits in steatite to be proposed.
35. Proposal for disposal of mining machineries, crushing – screening units and other infrastructures to be submitted. Details of existing mining machineries, crushing – screening units and other infrastructures with make, year of purchase, capacity and other specification, with present value after depreciation to be submitted. Chartered accountant certificate in respect of present values of mining machineries, crushing – screening units and other infrastructures be submitted.
36. Name, Location and mobile no of Hospital, police station and fire station be submitted in the disaster management and risk assessment.
37. Economic repercussions of closure of mine and man power retrenchment be submitted with respect to the Employment and wages details as per the man power details submitted in the annual return.
38. Time scheduling of closure to be submitted in tabular form. The time schedule of closure should contain activity, start date, time required and completion date. The closure cost be given activity wise.
39. Area put to use for mining and allied activities be furnished correctly and accordingly the bank guarantee amount be calculated. Area put to use for waste dump, mining and infrastructure, workshop, administrative building and crushing-screening plant area have been shown less wrt the actual.  
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