

GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
Office of the Regional Controller of Mines

No. 659(537)/ML/05-NLR

Room No.603, 6th Floor,
CGO Towers, Kavadiiguda,
Secunderabad.

Date: 24-3-17

To:
Sri M Harischandra
GPA Holder of Sri M Hemant Kumar,
H.No. 3-6-601. G-5 Ist Floor,
Sri Vaishnavi Residence, Street No. 8
Himayatnagar, Hyderabad.

Sub: Submission of draft Review of Mining Plan in respect of Chemidedi Vermiculite Mine of Sri M Hemant Kumar over an extent of 8.798 ha of Chemidedi (V), Guntur (M), Nellore district, Andhra Pradesh submitted under Rule 17(2) of MCR, 2016.

Ref: Your letter no.Nil dated 11.03.2017.

Sir,

With reference to your letter cited above on the subject, the site inspection was carried out by Sri Manish K Maindiratta D.C.O.M. on 11.03.2016 accompanied by Shri V Ankanna, QP the Review of Mining Plan in respect of Chemidedi Vermiculite Mine has been examined and found certain deficiencies as given in Annexure. The same has already been forwarded vide email id of your Qualified Person and yourself, as furnished in the document vasagiriankanna@gmail.com

02. You are advised to attend the 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 at 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 of MCDR, 2017 only 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 and the manner in which the deficiencies are attended should be given while forwarding the modified document.

Encl: As state above

Yours faithfully,

(Pankaj K. Sureshna)

Regional Controller of Mines
Copy to Sri V Ankanna, QP, Flat No. 104, Lahari Chandana Apartment, H.No. 16-1-24/2 Near Saidabad Colony Post Office, Saidabad, Hyderabad 500 059 - for information & necessary action.

(Pankaj K. Sureshna)

Regional Controller of Mines

मूल प्रति पर नहीं
खान नियंत्रक (द), भारतीय खान ब्यूरो, बेंगलुरु।

(पंकज सुशेना)
क्षेत्रीय खान नियंत्रक

Inspection Report cum scrutiny comments on the review of Mining Plan submitted by by Shri M Hemanth Kumar Through GPA holder (Shri Harish Chandra) for it's Mine in Sy No 109, 110/1, 111, 125/1 at village Chemidedi, Gudu- Mandal, Nellore, A.P after field inspection dated 11.03.2017.

1. As per Guidelines for preparation of Mining Plan , the certificates as required need to be signed by the owner instead of GPA holder, for further processing of the document.
2. Cover Page : The title for the document ' Review of mining Plan for mineral Quartz feldspar Mica vermiculite in Sy No..... Nellore' be corrected as ' Review of mining Plan for mineral Vermiculite in Sy No..... Nellore'.

Introduction

3. The introduction chapter be redrafted to give only the relevant and required information. Unnecessary and incongruent text need to be removed.
 - i. The incongruity has been observed in reference to the mining activity in the mines, which needs correction. It is mentioned in the document that the lessee has not started mining activity as he had to submit the scheme of mining due by 31.03.2010, but at the same time the production is reported till 15-16 and despatches till Sept 16 , as per the production register made available. This incongruous data is misleading and incongruous hence needs to be corrected.
 - ii. In the introduction chapter submit the reason for working without approved document. It should be recorded that the mine is under suspension.
 - iii. In the introduction chapter , It has been submitted that the document has been submitted for obtaining permission for mining of Quartz, Felspar, Mica, Vermiculite, which need to be corrected as for Vermiculite only.

General

4. Registration number as allotted under rule 45 of MCDR'88 be submitted in Item 1.0(a).
5. In PARA 2.0(A) , The period of expiry of lease be submitted as per lease agreement i.e, upto 04.09.2025

Review of Mining Plan

6. The information regarding reserves in the item 3.3 is irrelevant and hence be removed.
7. Exploration: The information regarding sampling in the review chapter need to be submitted in the relevant head under Geology Chapter only and not in review.

8. Mine development for Vermiculite need to be discussed like size of the pit, location from where vermiculite is mined, ROM vermiculite, waste. The period in which the lessee was not having approved document should be mentioned as lapsed period.
9. Review of environment parameters be submitted as proposal viz-a-viz achievement.

Geology

10. In the regional geology discuss the origin of Vermiculite in Nellore region .
11. Discuss as how much area has been explored for vermiculite mineralization at G2 level. The potential mineralized area for vermiculite need to be marked on the basis of reconnaissance.
12. It has been observed that the vermiculite is existing as criss cross veins in the host rock of pegmatite i.e, Micaceous schist. Hence as per MEMC deposit may be catogised as 'Lenticular bodies of all dimensions including bodies occurring en echelon, silicified linear zones of composite veins, Lenses, pockets, stockworks; irregularshaped modest to small sized bodies". The part of the host rock of pegmatite that has been explored for vermiculite mineralization at G2/ G1 level need to be marked along with UPL. The Total mineral resource in the area need to be assessed as per MEMC and categorized.
13. The total mineral resource and reserves have not been assessed and categorized correctly as per Mines Evidence of mineral content Rules.
14. The total area under different level of exploration (G axis) for vermiculite has not been assessed. Then depending on the parameters for E and F axis it should be categorised and assessed correctly.
15. The section should be drawn across the strike to delineate the ore body and for reserve calculation. The assessment sheet for calculation need to be enclosed.
16. Geological Plan be updated to show the lithology exposed in pits, benches.
17. Geological section should delineate the ore body and the other lithounits. i.e, pegmatite vein host rock be shown and the veins which are established / delineated need to be plotted.
18. Justification for UNFC has not been submitted correctly and needs recast.
 - i. The criteria / buyer specification for vermiculite need to be discussed and accordingly cut off grade need to be mentioned at all the places in the document. The NABL accredited lab report of the mineral available in the mine need to be assessed.
 - ii. Submit the yearwise exploration proposal and the surface area brought under different level of exploration every year and by which year the entire lease area will be explored to bring it under G1 level of exploration. The proposal be given for establishing the depth wise reserves / resources.
 - iii. The bulk density has been based on the other mines data which is incorrect and need to be established on the basis of field test.

- iv. The physical or chemical property on the basis of which the mineral is sold in the market be discussed.

Mining

- 19. The mining by drilling and blasting is not justified in the case of vermiculite. Hence be corrected. Further the loading may be done by Heavy machinery. The extent of mechanization need to be assessed w.r.to the vermiculite mining only.
- 20. In congruence text has been written on page 20 regarding status of environment clearance, on page 21 regarding beneficiation.
- 21. The mining proposal need to be submitted for the systematic mining and from one end to another . The way it is submitted is highly erratic and needs correction in totality as it leads to formation of multiple trenches in lease area.
- 22. The yearwise development and production need to be assessed properly as per the format prescribed by IBM for the purpose with calculation sheet annexed.
- 23. The temporary dumping site be assessed before transportation to buyer as per provision in MCDR only.

Conceptual Plan:

- 24. This chapter should be recasted, drawn and projected to visualize the status of lease at the closure of mining operation as per submitted proposal and supported by suitable number of plans and sections both in transverse and longitudinal directions passing through lease boundary, pits, dumps etc showing the status of reclamation and rehabilitation work carried out, position of workings, all dumps, and afforestation at the closure, reclamation and rehabilitation work done for the area degraded because of mining operation, waste disposal etc. The status of the whole area at the end of the lease period be shown accordingly on this plate.

Stacking of waste

- 25. The item 4(a), (b) needs to be submitted correctly in light of above comments.
- 26. The data in item 5 relating to end use industry, buyer specification has not been submitted properly. The irrelevant text submitted needs to be removed.
- 27. Employment potential need to be reassessed in light of above comments.

Progressive Mine Closure Plan

- 28. The base line data need to be submitted correctly. The information regarding additional land degradation in item 8.1 be corrected.
- 29. It has been submitted that the area is having bushes which is inconsistent with submission in the plans and field. Hence the baseline information regarding flora be corrected.
- 30. The baseline information regarding Air, water, noise need to be furnished for category A mines.
- 31. Financial assurance need to be assessed as per new MCDR 2017 after correction in land put to use in light of above comments. Since the mining plan has been approved

by the State Government , the Financial assurance plan of the same be enclosed as well.

32. Feasibility report need to be corrected.

33. All the plans and sections should have certificate by QP 'That the plans and sections are prepared based on the lease map authenticated by the State Government.

34. In the Environment Plan, the features extending across the lease area within 500m be marked.

35. If due to aforesaid changes, the data in other chapter or plates changes, they may please be done accordingly and ensure the consistency of the data submitted in various chapters of the document.