



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



No.659(38MS)/VR/2008/NLR

Room No.603, 6th Floor,
CGO Towers, Kavadiguda,
Secunderabad – 500080
Date: 14.03.2018

To
Shri R Shiva Kumar,
Director,
M/s Vermiculite Products (P) Ltd.,
7th Floor, Dugar Towers,
No. 34(123), Marshalls Road,
Egmore, Chennai – 600 008 T.N. State.

Sub: Submission of Review of Mining Plan of Dugar Mine-II of M/s Vermiculite Products Private Limited, over an extent of 38.75 ha in Palicherla – Rajupalem Village, Gudur Mandal, SPSR Nellore District of Andhra Pradesh.
Ref:Your letter No. nil dated 09.01.2018.

Sir,

With reference to your letter cited above on the subject, the site inspection was carried out on 27.02.2018 by Shri D.P. Ravi Kumar, AMG accompanied by Sri K.Sumanth Babu, Qualified Person and Shri R Saktivelu, Mines Manager. The draft Review of Mining Plan has since been examined and found certain deficiencies as given in Annexure. The same scrutiny comments have already been forwarded on email id vermiculite@dugar.in of your Qualified Person as submitted in the document.

You are advised to attend the above deficiencies as per the annexure and resubmit the document complete in all respect in three bound copies along with Soft copy in CD form & Bank Guarantee 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. If the deficiencies have not been attended satisfactorily the document is likely to be rejected.

Yours faithfully,

(Ibrahim Sharief)
Sr. Assistant Controller of Mines
For Controller of Mines

Copy to Sri K.Sumanth Babu, Qualified Person for information & necessary action.

(Ibrahim Sharief)
Sr. Assistant Controller of Mines
For Controller of Mines

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

(इब्राहिम शरीफ)
वरिष्ठ सहायक खान नियंत्रक
कृते खान नियंत्रक

ANNEXURE

SCRUTINY COMMENTS CUM INSPECTION REPORT OF REVIEW OF MINING PLAN OF DUGAR VERMICULITE MINE -II OF M/S VERMICULITE PRODUCTS PRIVATE LIMITED OVER AN EXTENT OF 38.75 HA., IN SURVEY NO.1 OF PALICHERLA- RAJUPALEM VILLAGE GUDUR MANDAL SPSR NELLORE DISTRICT IN ANDHRA PRADESH STATE SUBMITTED UNDER RULE 17 (2) OF MCR, 2016

COVER PAGE

1. Name of the mine need to be specified, along with the Mine Code and IBM registration.
2. In cover page, it is mentioned that the mine is working as per office records the mine is temporarily discontinued from 30.04.2015 . The same may be corrected.
3. Consent letter /undertaking / Certificates from the applicant should be submitted on Company's Original letter head duly dated and signed.

INTRODUCTION

4. It is mentioned at page No.1 the validity of lease period has already been expired on 11.09.1995 and applied for renewal of lease area on 21.06.1994 for the period from 12.09.1995 to 11.09.2015 (Annexure-4) and applied for renewal of lease area on 22.06.2014 for the period from 12.09.2015 to 11.09.2035 (Annexure-4).The annexure numbers should be changed accordingly in order for easy ready reference.
5. Boundary Pillars not found entire lease area. The same should be posted in the lease area as per the provision of rule (v)of MCR 2016 (Other than Atomic and Hydro Carbons Energy Minerals) and photographs of the same should be submitted.
6. The mine falls under A category semi mechanized mine . The same should be mentioned against method of Mining at page no. 49.
7. All the tables should be serially numbered and index of the same should be indicated .
8. Review of Mining Plan submitted during January 2018 for the period from 2013-14 to 2017-18 , it is going to expire on March-2018 and remaining period is only few days only. The document should have submitted during previous years. But the reason is not mentioned why you have submitted now.
9. No proposals for production of vermiculite for the year 2013-14. But as per the Annual return 2013-14 submitted by you , the vermiculite production mentioned was 700 t. In the document, this production data is not furnished. The relevant table should be modified in view of the above.
10. Substantiate deviation in production has been observed but reason for such deviation has not been furnished.

11. Excess production has been carried out for the years 2008-09, to 2011-12.

| Year | Proposal(t) | Achieved(t) |
|---------|-------------|-------------|
| 2008-09 | 450 | 1770 |
| 2009-10 | 540 | 1950 |
| 2010-11 | 540 | 5240 |
| 2011-12 | 540 | 2580 |

12. No production has been shown in the annual return for the year 2014-15, but in the document, the production of vermiculite ore shown for year 2014- 15 was 2080 t. The relevant table should be modified in view of the above.

13. The Statutory Annual Return for the years 2015-16 & 16-17 have not been submitted. The same should be submitted through online and hard copy to the Nellore Sub Regional office and Hyderabad Regional office.

GEOLOGY AND EXPLORATION

14. Copy of Form-K should be submitted in respect of exploration carried out so far.

15. During the field observation it was observed that occurrence of the ore is below 8 meters, in this context few bore holes should be proposed for future exploration for depth continuity of ore in the lease area.

16. The list of annexures must be numbered in each annexure, how many pages for reference. Further, the annexures must be given dates pertaining to each letters for reference.

17. Additional reserves & resources may e carried out based on only already excavated pits area up to proved depth of mineralization in pits. No extrapolation is allowed as per MEMC Rule, 2015.

18. The dimensions of existing Trail Pits (ETP-4 & ETP-5) in page 29 may be furnished.

19. Details of exploration carried out furnished in the Table No.11 indicated as below.

| S. No | Area explored under | | | Unexplored area(ha) | Total lease area in ha. |
|-------|---------------------|---------------|---------------|---------------------|-------------------------|
| | G1 level(ha) | G2 level (ha) | G3 level (ha) | | |
| 1 | About 15.00.0 ha | - | - | About 23.75.0 ha. | 38.75.0 ha. |

More than half the extent appears to be unexplored. Detailed exploration may be proposed.

MINING

20. Year wise development & excavation planning is not given in correct manner as it is not supported with proposed extents of ROM excavation in co-ordinates pattern, year wise total area to be excavated.
21. Under the extents of mechanization, the details mining machineries to be deployed, its calculations for actual requirements are not given in the chapter.
22. It is proposed to produce 864 MT of ore in the year 2017-18 in page no. 57 as shown in 4.1 Anticipated life of the mine i.e. the entire proved reserves shown in Annexure I. PTP 1 to PTP 9 are proposed for further exploration. Detailed exploration may be taken up to prove more mineral reserves in the large unexplored area.
23. Conceptual mine planning is not given as per the guidelines adequacy of further exploration, present land use pattern. Life of the mine, reclamation and rehabilitation aspects, conceptual land use pattern, etc are not discussed in detailed & correct manner.
24. Explosives License and Blasting-Photographic Evidence of the Portable Magazines may be furnished.
25. Amalgamation of the Mines:- It is stated that permission from the Director of Mines Safety, Hyderabad on Amalgamation of Mines was obtained as per Annexure 23. The approved Amalgamation Mine Plate may be furnished.

STACKING OF MINERAL REJECT AND DISPOSAL OF WASTE

26. It is mentioned that the dumping is proposed temporarily on the southern side of the lease on barren lands. But its actual proposed stack location not mentioned.

ANNEXURES:

27. The list of board of directors with address and contact details (phone no., fax, e-mail etc) to be furnished/ enclosed.
28. Copy of original bank guarantee for extended period should be deposited in further submission for approval of this Review of Mining Plan.
29. Latest chemical analysis report must be submitted.

PLATES:

30. **Key Plan:** lease area should be bounded by all sides showing latitude and longitudes of extreme boundary points. Land use status i.e. Govt. land, private land & forest land, wind rose diagram etc must be shown by different colour code.
31. The Surface Plan should be duly indicate the access road to the pits should be depicted.

32. Three or four Ground Control Points (GCP) may be shown in the Surface Plan in Plate No. 3.

33. The survey stone numbers for the Corner points in the Surface Plan (PlateNo.3) may be indicated.

34. **Geological Plan & Section:**

i) Geological features like strike, dip, dip direction, etc to be marked clearly. Symbol as shown in plan not clearly marked in index.

ii) Specific year may be in year wise exploration proposal may be indicated..

iii) The UNFC has not been depicted in geological plan . The reserves under G1&G2category and limits of reserves / resources under different codes may be marked on geological plan and sections in different colour codes.

35. **Financial Assurance Plan:** In the financial Assurance Plan area of each individual land i.e. land degradation due to mining and allied activity at the end of plan period may be shown separately on this plan with highlighted boundaries and different colour codes for FA calculation.

36. Environmental Plan: The entire feature required under the rule including near by granted leases may also be shown. Existing contours outside the area and within 500 m from the lease boundary have not been marked.

GENERAL:

37. Each and every page of text and annexure should be signed by the persons who prepared the document.