



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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Room No.603, 6th Floor,
CGOTowers, Kavadiguda,
Secunderabad.-50008.

Date: 21-9-2021

To
Shri N.Tarachand Dugar,
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 Modification of Mining Plan of Dugar Vermiculite Mine -I of M/s Vermiculite Products Private Limited, over an extent of 61.45 ha. in Survey No.1/1 of Palicherla Village, Gudur Mandal, SPSR Nellore District of Andhra Pradesh State submitted under Rule 17(3) of MCR 2016.

Ref: Your email dated 31.08.2021.

Sir,

01. With reference to your letter cited above on the subject, the inspection of the mine was carried out by Shri D.P.Ravi Kumar, AMG along with Sri Tikamchand Khimsura, Nominated owner and Sri K.Sumanth Babu, Qualified Person on 11.09.2021 and found certain deficiencies which were forwarded to you and your Qualified Person on respective e.mail ids i.e., vermiculite@dugar.in.

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 (4Nos) 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,

Shumar
21/9/21

(Shailendra Kumar)

Regional Controller of Mines

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

Shumar
21/9/21

(Shailendra Kumar)

Regional Controller of Mines

मूलपतिपरनहीं

खाननियंत्रक (द), भारतीय खानब्यूरो, बेंगलुरु।

शैलेन्द्र
21/9/21

(शैलेन्द्र कुमार)

क्षेत्रीय खाननियंत्रक

SCRUTINY CUM SITE INSPECTION REPORT OF MODIFICATION OF MINING PLAN OF VERMICULITE MINE OF M/S VERMICULITE PRODUCTS PRIVATE LIMITED OVER AN EXTENT OF 61.450 Ha., IN SURVEY NO. 1/1, PALICHERLA VILLAGE IN GUDUR MANDAL OF SPSR NELLORE DISTRICT OF ANDHRA PRADESH STATE SUBMITTED UNDER RULE 17 (3) OF MCR, 2016 FOR FIVE YEARS PERIOD FROM 2021-22 TO 2025-26 INSPECTED ON 11.09.2021 BY D.P.RAVIKUMAR, AMG, HYDERABAD ACCOMPANIED BY S/SHRI K.SUMANTH BABU, QP AND M.TKAMCHAND KHIMSURA, NOMINATED OWNER.

CHAPTER NO.1: GENERAL INFORMATION

1. The mining lease was grant for Vermiculite only. But Quartz, Feldspar and Mica minerals also mentioned as associated minerals, the same may please be clarify and correct it.
2. At para, 1.1.1: The details of Initial /subsequent lease grant are not furnished. The same may be furnished.
3. Para 1.2: The details regarding list of mining leases held by M/s Vermiculite Products Private Limited is already held by the applicant /applied area should be indicated.
4. At para 1.3.4.1, the dates of Environment Clearance may be mentioned.
5. At para 1.3.4.2: the dates of SPCB Approvals may be mentioned and also mention the ROM mineral in tonnes at relevant column.
6. At para, 1.3.4.4: The land acquisition details are not mentioned. The same should be furnished.
7. At para 1.3.5: the Top sheet No. is wrongly mentioned. The same should be corrected.
8. Kml files in respect of boundary pillars, land put to use and proposal should be submitted separately.
9. Instead of leaving blank any Column /Row, NA or any information may be given appropriately.

CHAPTER NO.2: GEOLOGY AND EXPLORATION

10. Para 2.1.4.1: Local Geological Succession may also be given.
11. Para 2.1.1.10: Average grades of the radicals should be given.
12. At para, 2.2.1.1: The details of Geological Mapping are not furnished. The same should be furnished. Further, the geological mapping of the mining lease area should be done in 1:2000 scale for the detailed exploration as specified in the MEMC Rule, 2015.
13. At para 2.2.1.5: The information is not furnished as per the prescribed table, so the required details under this table are missing. All details should be furnished in the prescribed format/ table.
14. Para 2.2.1.9: Complete details of the sampling should be given.
15. Para 2.1.1.10: Average grades of the radicals should be given.

16. At para 2.2.1.11: The details are not furnished and also not enclosed the annexure for Mineralogical Studies, Recovery Factor and Bulk density of the mineral report. The same should be mentioned for reference.
17. At para 2.2.5.1, The details of Mineral Resource Estimate for Conversion to Mineral Reserve and at para 2.2.5.2, the details of threshold value & cut off parameters are not furnished properly. The same should be corrected and furnished at relevant places.
18. At para,2.2.5.11, The units for estimation of reserves/ resources is not furnished. The same should be furnished at relevant column.
19. At para 2.2.6.3: The existing number of trail pit details is wrongly mentioned. The same should be corrected.

CHAPTER 3: MINERAL BENEFICIATION / PROCESSING

20. If processing / beneficiation of the ROM or Mineral Reject is planned to be conducted, briefly describe nature of processing / beneficiation. This may indicate size and grade of feed material and concentrate (finished marketable product), recovery etc. in a separate Annexure.
21. At para, 3.6.4: Magnetic Separation: During the inspection, the magnetic separating machine was in operation. The process may be described here.
22. At para, 3.7: Disposal method of the Mineral rejects may be discussed.
23. At para, 3.10: It is mentioned that the material balance chart of mineral processing plant(s) (each stage of process) and flow sheet of beneficiation of plant are enclosed, but the annexure numbers are not given. The same may be given.

CHAPTER 4: MINING OPERATIONS

24. At para 4.1.2, the proposed method of mining is not mentioned. The same should be mentioned.
25. At para,4.2.2.1: Bench Parameters: The Mechanized mining by 3.0 m height bench and width of 3 m needs to be justified. In this regard status of obtaining the HEMM permission from DGMS should be submitted.
26. At para, 4.2.2.2: Year wise Development is mentioned 1 year, 2 year, 3 year, 4 year, 5 year, instead of 2021-22, 2022-23, 2023-24, 2024-25, 2025-26. The same should be corrected accordingly. Further, the Pit ID is also not mentioned .The same should be mentioned.
27. Para 4.2.2.2: Ore to OB ratio has not been calculated. The same should be furnished.
At para, 4.3: The annexure numbers for recovery study report and bulk density study report are not given. The should be given.
28. Pit limit boundary needs to be shown in the surface plan and UPL to be demarcated in the sections based on the extent and depth of mineralization proved by exploration.
29. At Para,4.2.2.2. The descriptive details of production and development during 2021-22 to 2025-26 may be furnished as a separate annexure showing sections and heights and benches.

33. At Para,4.2.2.2. The descriptive details of production and development during 2021-22 to 2025-26 may be furnished as a separate annexure showing sections and heights and benches.
34. At para 4.3.3, the details pertains to proposed dump handling quantity (t), proposed recovery of saleable Mineral (t), proposed waste quantity (t), grade range (%) have not been furnished. The same may be furnished.
35. At para 4.4.1: The machine requirement summary: The number of shifts per day is wrongly mentioned. The same should be furnished correctly. Further, the backup Calculation towards requirement for each mining machine may also be submitted in a Tabular Form with justification in the form of Annexure.
36. At para, 4.9: The proposed use of minerals is not furnished. The same should be furnished.

CHAPTER 5: SUSTAINABLE MINING

37. All the required information should be given based on the proposed production during five year plan period as well as proposed CSR activities under company act.
38. Para 5.1: Description of the sustainable mining implemented during last five years and the target area proposed to be covered during this plan period, should be submitted. Any statutory proposal for SDF may also be discussed under this para.

CHAPTER 6: PROGRESSIVE MINE CLOSURE PLAN

39. At para,6.2.9.2: The year wise proposal of topsoil generation, top soil utilization etc may be mentioned as 2021-22, 2022-23, 2023-24, 2024-25, 2025-26 instead of 1 year,2 year, 3 year,4 year 5 year.

CHAPTER 7: FINANCIAL ASSURANCE/ PERFORMANCE SURETY (AREA PUT TO USE).

40. Year wise area to be utilized for mining, top soil, separate dumping for Schist (waste) and Pigments, afforestation to be submitted.

CHAPTER 8: REVIEW OF PREVIOUS PROPOSALS

41. At para 8.1.1, the details of total area at the beginning of the proposal period, the total area proposed under activity and the total actual area utilized in the proposal period are not furnished properly. The same may be furnished correctly.
42. All the details under Review of previous proposals and achievements are not furnished. The same should be furnished at relevant columns.

CHAPTER 9: IMPACT ASSESSMENT

43. At para 9.3.2.1: The table given for base / present status of the lease area, is not filled all the required columns / furnished. The same should be furnished properly in the table.
44. At para, 9.3.7: All the details under Socio – Economic Environment are not furnished. The same should be furnished.

ANNEXURE

45. The Number of Pages in each annexure and pages range may be mentioned in the List of annexures.

PLANS / PLATES AND SECTIONS

46. The relevant Plans and sections should be signed with date by certified surveyor, qualified person, mines manager, mining engineer, and Geologist as per provision of Rule 34 of MCDR 2017.
47. Wind direction may be shown in wind rose diagram at the top right of the relevant plans. Further, colour code given for different features in plans and sections to be same.
48. The lease sketch is not visible. The visible lease sketch should be submitted and all plans should be signed by lessee & Qualified Person.
49. The list of human settlements in the buffer zone may be shown in a tabular form in the Plate.
50. In the Geological Plan, all the geological features needs to be demarcated for the Pegmatite formations. In the geological section, proper indexing should be done.
51. Environmental monitoring buffer zone location to be demarcated in the key plan and environmental plan and core zone location to be demarcated in the reclamation plan.
52. In the Plate V, The Environment Plan the surrounding features like the adjacent mines of the same Lessee may be incorporated.
53. 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.
54. The Surface Plan should be duly indicate the access road to the pits should be depicted.
55. The Production & Development section- Individual Year wise section may be prepared and furnished separately for each year.
56. The Financial assurance table should be given in plate and all the area shown in the table should be clearly demarcated on plate and indexed.
