



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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No. 659(562)//Ver/2007/NLR

Room No.603, 6th Floor,
CGOTowers, Kavadiguda,
Secunderabad.-50008.
Date:20.09.2019.

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 Review of Mining Plan of Dugar Mine-II of M/s Vermiculite Products Private Limited, over an extent of 2.707 ha in Palicherla Village, Gudur Mandal, SPSR Nellore District of Andhra Pradesh

Ref:Your letter No. nil dated 20.08.2019

Sir,

With reference to your letter cited above on the subject, the inspection of the mine was carried out by Shri S.K.Muduli, JMG along with Sri Tikam Chand Dugar, Lessee, R.Shakthi Velu, Manager and Sri K.Sumanth Babu, Qualified Person on 13.09.2019 and found certain deficiencies which were forwarded to you and your Qualified Person on respective e.mail id 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 (2Nos.) In this regard you are also advised 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 Sri K.Sumanth Babu, Qualified Person for information and necessary action.

(Shailendra Kumar)
Regional Controller of Mines

मूलपतिपरनहीं
खाननियंत्रक (द), भारतीय खानब्यूरो, बंगलुरु।

(शैलेन्द्र कुमार)
क्षेत्रीय खाननियंत्रक

SCRUTNY CUM INSPECTION REPORT OF REVIEW OF MINING PLAN OF DUGAR VERMICULITE MINE-III OF M/s DUGAR VERMICULITE PRIVATE LIMITED SPEARD OVER AN AREA OF 2.707 HECTRES IN PALICHARLA VILLAGE GUDUR MNADAL NELLORE DISTRICT IN ANDHRA PRADESH, DATE OF INSPECTION-13.09.2019

- 1) The lease was executed on 12.11.1987 for a period of 20 years and was valid upto 11.11.2007 and thereafter the state DMG has not issued any order pertaining to first renewal of the ML and the lease has been recommended for termination u/r 12(10) of MCR-2016 vide letter AP/KNL/Lst-185/Hyd Dated 10.06.2019. The status of termination of the lease and status of lease period extension as per section 8A of MMDR Act-1957 is not known and for which letter 659(562)/Ver/2007-NLR Dated: 17/09/2019 has been issued to the DMG, Govt of Andhra Pradesh with a copy to the Lessee. You are advised to follow up with the state DMG and submit the letter issued by state DMG indicating the status of the termination of the lease and status of lease period extension as per sec 8A of MMDR Act-1957 within time.
- 2) List of Mining Leases of the lessee existing all over India needs to be submitted.
- 3) Details of approved mining plan/scheme of mining/review of mining plan to be submitted in tabular form indicating type of document, letter no, date and period for which it is approved.
- 4) The name of the document to be submitted as Modification of Mining Plan and the reason for modification to be submitted at column 3.6.
- 5) All the plans should be prepared based on the state govt authenticated lease sketch along with boundary pillar co-ordinates.
- 6) Board of director's resolution to be submitted for the nominated owner and the nominated owner should sign the document.
- 7) In the cover page the name of the document to be submitted as Modification of Mining Plan and the reason for modification to be submitted at column 3.6.
- 8) Repetition to be avoided.

Review

- 9) The year wise review also needs to be submitted for the lapse period from 2017-18 to 2018-19 and 2019-20(01.04.2019-31.08.2019) correctly in respect of exploration, excavation, reclamation. During inspection it has been observed that production has been made without having any approved Review of Mining Plan which needs to be justified.
- 10) Status of compliance of violations pointed out by IBM to be submitted.
- 11) Indicate and give details of suspension /closure/ prohibitory order issued by any Government agency under any rule or Court of law.

Geology

- 12) Year wise exploration carried out need to be submitted.
- 13) Exploration to be proposed for ascertaining the depth continuity and also to explore the potential mineralized area in G-1 level of exploration. Further year wise area proposed to be explored in different level needs to be submitted.
- 14) Pit limit boundary needs to be shown in the surface plan and UPL to be demarcated in the sections. Bench mark needs to be established and transfer point details and Bench mark details needs to be submitted in the text. The surface plan needs to be prepared and submitted as per rule 31,32 and 34 of MCDR-2017.
- 15) In the Geological plan all the geological features, lithological units needs to be demarcated. The Geological section is not matching with respect to the Geological plan.
- 16) All the Parameters of reserves/resources needs to be submitted. Recovery factor is to be applied while estimating the reserves/resources.UPL to be demarcated based on the explored depth of mineralization.
- 17) Axis wise UNFC justification needs to be submitted correctly. Area explored under different level of exploration need to be marked on the geological plan and UNFC code for area considered for different categories of reserve/resources estimation may also be marked on geological cross sections.
- 18) Trial pits lithologs and meter wise sample chemical analysis needs to be submitted. The Laboratory analysis reports of all the trail pit samples needs to be submitted.10% check samples needs to be analysed from NABL/Govt Laboratory and report needs to be submitted.
- 19) Basis for considering the Bulk density and recovery percentage needs to be submitted.
- 20) Submit a feasibility study report along with financial analysis for economic viability of the deposit as specified under the UNFC field guidelines to be incorporated.
- 21) With respect to all the above mentioned points in Geology section the reserves/resources needs to be established as per MEMC Rules-2015.
- 22) During inspection vermiculite mineral dump found to exist in Block-II (NE side), it co-ordinates, dimension and volume needs to be submitted in the text.

Mining

- 23) Existing mining pit details like Pit no, dimension, no of benches, height of bench, highest and lowest level in mRL and co-ordinates need to be submitted.
- 24) Bench parameters to be mentioned. Bench height to be proposed such as the mining machinery can ply in the bench.
- 25) In the year-wise tentative Excavation details pit no to be mentioned.

- 26) The proposed year wise location of production and development needs to be changed and accordingly the UPL to be marked as the proposed production and development is not scientific and systematic. The production and development sections need to be modified accordingly as per the YPDP. Briefly describe the existing as well as proposed method of working with all design parameters indicating on plans /sections.
- 27) As 2017-18 and 2018-19 has already crossed proposal for mining to be submitted only 01.09.2019 onwards upto 31.03.2022.
- 28) Briefly describe the layout of mine workings, pit road layout, the layout of faces and sites for disposal of overburden/waste along with ground preparation prior to disposal of waste, reject etc. UPL or ultimate size of the pit is to be shown for identification of the suitable dumping site.
- 29) Back up calculation towards requirement of mining machinery to be submitted.
- 30) Year wise area to be utilised for mining, top soil and waste dumping, afforestation to be submitted.

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

- 31) Location of waste and top soil dumping to be submitted with co-ordinates and the proposed site is to be demarcated in the year wise production and development plan and the YPDP needs to be changed. As the dumping area is not proved for the presence or absence of mineral, all the waste and top soil dump need to be mentioned as temporary dump.
- 32) Configuration and sequence of year wise build up of dumps along with the proposals for protective measures need to be submitted in Year wise production and Development plan.
- 33) Top soil to be proposed to be dumped and spreaded along the 7.5m safety zone only for Green Belt Development purpose and its location co-ordinates needs to be submitted.
- 34) All the existing waste dumps with its no, location co-ordinates, dimension and tentative volume needs to be submitted.

Use of Mineral and Mineral Reject

- 35) Requirement of end use industry specifically in terms of physical and chemical composition need to be submitted.

Processing of ROM and Mineral Reject

- 36) Material balance chart and process flow sheet needs to be submitted.

Progressive Mine Closure Plan

- 37) Base line environmental information be submitted.
- 38) 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.
- 39) The category wise area needs to be demarcated in the PMCP plan. PMCP plan needs to be updated on the basis of updated year wise production and development plan and the net area proposed and already put to use needs to be changed for want of waste and top soil dumping proposal. The amount of bank guarantee to be calculated based on the updated PMCP plan.
- 40) Environmental monitoring buffer zone location to be demarcated in the Key Plan and Environment plan and core zone location to be demarcated in the reclamation plan.

Plans and Sections

- 41) Environmental plan needs to be corrected as the other mines , plant and agricultural lands and other features have not been demarcated.
- 42) Geological cross section needs to be submitted separately.
- 43) Year wise production and development plan needs to be submitted from 2019-20 to 2021-22 only.

Annexures

- 44) All the annexures need to be submitted and numbering to be corrected.
