



भारत सरकार /Govt 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,
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Secunderabad – 500 080

Date:

To

Smt. V.L.Prasanna, Managing Partner,

M/s. Ani Mines & Minerals,

D.No. 27/4/214, 4th. Street,

Ramji Nagar,

Nellore-2,

Andhra Pradesh State.

Sub: Submission of Review of Mining Plan in respect of Ani Mines for Quartz, Feldspar, Mica & Vermiculite Mine of M/s.Ani Mines & Minerals over an extent of 22.582 ha. in Sy.No. 504/P of Chaganam Village, Sydapuram Mandal, SPSR Nellore District of Andhra Pradesh under Rule 17(2) of MCR 2016.

Ref: Your letter No. nil dated 29.01.2021.

Sir,

With reference to your letter cited above on the subject, the draft Review of Mining Plan has been inspected by Sri S K Muduli, JMG, accompanied by Sri P V Narayan Rao, Qualified Person, Sri V Ashok Kumar, Mining Engineer. The draft Review of Mining Plan has since been examined, the scrutiny comments have already been forwarded to you and your Qualified Person on respective e.mail ids i.e., animinesandminerals@gmail.com and podurirao@gmail.com.

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 (3Nos.). 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
23/2/21

(Shailendra Kumar)

Regional Controller of Mines

Copy to Sri P.V.Narayana Rao, Qualified Person for information and necessary action.

Shailendra Kumar
23/2/21

(Shailendra Kumar)

Regional Controller of Mines

मूलपतिपरनहीं

खाननियंत्रक (द), भारतीय खानब्यूरो, बेंगलुरु।

शैलेन्द्र कुमार
23/2/21

(शैलेन्द्र कुमार)

क्षेत्रीय खाननियंत्रक

Scrutiny comments on Review of Mining Plan of Ani Mica, Quartz, Feldspar & Vermiculite Mine of M/s. Ani Mines and Minerals over an area of 22.582 hectares in Chaganam village, Sydapuram Mandal, Nellore district, Andhra Pradesh. Date of Inspection-06.02.2021

General

1. The mining plan document should be prepared as per the format prescribed in IBM Manual on appraisal of Mining Plan-2014.
2. As per the Section 8A (3) of the Amended MMDR Act-1957 in 2015, all mining leases granted before the commencement of the Mines and Minerals (Development and Regulation) Amendment Act, 2015 shall be deemed to have been granted for a period of fifty years. After amendment of the said Act, no Modification of Mining Plan has been approved towards change in lease period. Hence the heading of the document is to be submitted as "Modification of Mining Plan" instead of Review of Mining Plan including Progressive Mine Closure Plan". Reason for Modification needs to be submitted accordingly.
3. Lease period and validity needs to be submitted on the cover page.
4. No objection certificate from other partners in the form of affidavit and in respect of Smt.V.Lakshmi Prasanna as Managing Partner needs to be submitted. 'Nominated owner' to be mentioned in the "Details of the Lessee".
5. The lease sketch submitted in the draft document is different from that of the original Lease sketch issued along with the lease deed. Northern tail part of the lease area has been deleted from the original Lease Sketch. Deletion of part of the lease area resulted in change in the shape of the lease sketch, hence GO errata needs to be submitted. In the absence of GO errata, the old lease sketch having boundary pillar coordinates authenticated by the state government needs to be submitted.
6. The Annexure and its cover pages shall be submitted correctly in the document.

Review of Mining plan

7. Review of exploration, excavation, reclamation etc., of earlier approved Mining plan by IBM shall be submitted.
8. This office is not having any Monthly and Annual Returns for the period 2009-10 to 2013-14. Year wise authenticated production and dispatch figures for Mica, Quartz, Feldspar and Vermiculite to be obtained from the State Government and submitted.
9. Status of compliance of violations pointed out by IBM shall be submitted correctly.

Geology and Exploration

10. Source of climate related information needs to be submitted.
11. Phase wise exploration carried out in the lease area should be furnished in tabular form.
12. Notice of Commencement of Sinking of Bore holes (Form-I) needs to be submitted.
13. Meter wise bore hole sample analysis results needs to be mentioned in borehole Lithologs and Lab analysis reports in respect of quartz, feldspar and Mica needs to be enclosed.
14. The Laboratory analysis reports of chemical and physical properties of all the samples of mica, quartz, feldspar and vermiculite needs to be submitted. 10% check samples needs to be analysed from NABL/Govt Laboratory and report needs to be submitted along with the NABL accreditation certificate of the laboratory.
15. Exploration is to be proposed to explore the potential mineralized area in G1 level within 5 years from the date of commencement of MCDR-2017 i.e., up to 26.2.2022.
16. Study Report of Bulk Density and Recovery factor of vermiculite needs to be submitted.
17. In the parameters considered for reserves/resources estimation, the cut off grade be furnished. UPL to be demarcated in the Plans and sections.
18. Gravel bed is not found during inspection in the entire lease area but the same is shown in the Geological Plan, to be explained.
19. In the Geological plan, the different lithologs should be demarcated and to be indexed properly. The level of Geological exploration of entire lease area should be demarcated correctly in the Geological Plan and the UNFC codes should be mentioned in the Geological Cross Sections. In the Geological cross sections S8-S8' and S9-S9', the depth persistence of Vermiculite should be shown as per the exploration done. The UPL depth demarcated in the Geological Cross section should be upto the depth of mineralization

proved by exploration. The resources/reserves should be re-estimated based on revised geological cross sections.

20. The exploratory input density considered for different level of exploration needs to be submitted correctly. Mining Pits have been considered as exploratory inputs but face sample analysis has not been submitted. So face sample analysis be submitted for considering the continuation of mineralization. Further litho logging of all the mining pits needs to be done for each side instead of one side only.
21. Specific end use grades of Quartz, Feldspar, Mica and Vermiculite also need to be submitted.
22. The influence of length and depth of mineralization has to be considered taking into account the mined out areas. Estimation of Quartz reserves in Gravel bed can not be considered as it has not been geologically proved.
23. The Feasibility Report should be submitted as per UNFC guidelines.
24. All the existing exploratory inputs needs to be demarcated in the geological plan and geological sections. The Geological plan and cross sections are not in consonance with each other. Proposed exploratory input locations needs to be demarcated in the Geological Plan and the index needs to be submitted correctly.

Mining

25. Briefly describe the existing as well as proposed method of working with all design parameters indicating on plans /sections. Reason for closing the underground mining activity should be submitted. As the underground Mining activity is abandoned, the precautions taken as per MMR 1961 shall be submitted.
26. Pit wise excavation proposal shall be submitted instead of mineral wise. Location of the year wise proposed mining area needs to be submitted. The year wise table submitted towards insitu tentative excavation should be in consonance with the recovery study report.
27. The mining has been done without proper benching and steep high wall has been formed. Proposal should be submitted for systematic and scientific mining operation, clearly depicting the year wise bench formation and its movement.
28. Details like dimension, location co-ordinates, volume of all the existing mineral stack yard needs to be mentioned in text and demarcated in plan.
29. Describe the year wise pit layout separately for each pit along with haul road design. Mining has been proposed near Explosives Magazine, the same needs to be corrected. The design parameters of the workings shall fulfill the conditions of the HEMM permission issued by DGMS.
30. UPL or ultimate size of the pit is to be shown in the plans for identification of the suitable dumping site as waste dumping has been done adjacent to the each pit for which re handling may be required.
31. The life of the mine needs to be assessed correctly considering Resources and Reserves. Conceptual Mine Planning to be submitted for excavations up to the UPL. Five year block wise proposals up to the life of the mine be submitted. Plantation needs to be proposed all along the lease boundary at conceptual stage.

Stacking of Mineral Reject/Sub Grade Material and Disposal of Waste

32. Backfilling should not be proposed without detailed exploration and complete exhaustion of minerals.
33. Location for the proposed waste dump site with all corner co-ordinates, method of dumping, maximum height and spread area of dump shall be submitted. The grade of material which is considered as OB shall be submitted.
34. Retaining wall and garland drain proposal shall be submitted for the existing dump and proposed waste dumping.
35. The location and spread area of waste dump near BP-5 as per the current submission is different w.r.t its location as per the last Scheme of Mining. So the deviation observed may please be clarified.

Use of Mineral and Mineral Reject:

36. Describe briefly the requirement of end-use industry specifically in terms of physical and chemical composition for mineral Mica, Quartz, Feldspar and Vermiculite. Details needs to be submitted in respect of different grades of Quartz and Feldspar.

Progressive Mine Closure Plan:

37. NW part of Toka Gani Pit is very close to the mine boundary and face has been collapsed. Thus protective measures have to be proposed.
38. As exploration is not complete thereby possibility of extension of mining pits exists, the plantation should only be proposed in 7.5m safety zone boundary.
39. Year wise PMCP table should be submitted. Environmental monitoring should be proposed and its report to be submitted. Proposed Environment monitoring stations in the core zone and buffer zone to be submitted.
40. Area considered as fully reclaimed and rehabilitated can not be accepted as no such activity has been carried out. Further the area covered under Mining Pit, Waste Dump in the Scheme of Mining for the period 2016-17 to 2019-20 approved by State DMG is more than that of the current draft RMP submission. The area put to use is less than the actual. Financial assurance plan should be revised based on the updated survey and the estimation of Bank Guarantee should be done as per the revised plan.

Plans and Sections:

41. All the plans and sections should be submitted as per the provision of rules 31, 32 & 34 of MCDR, 2017 and signed by the surveyor having Certificate of Competency of Survey from DGMS.
42. Plan showing the granted Mining Lease area connected with permanent ground control points shall be submitted. Bench mark be transferred and established within the Mining Lease and its location be demarcated in the surface plan and details be submitted in Geology Chapter.
43. Mineral stacking yard in North (Near BP-16 to 17), processing unit, office and Waste dump near Kotha Gani Pit, correct position of dump near BP-7 has not been shown. Updated surface plan needs to be submitted. Positions of all the old underground mine working should be demarcated in the plan. Proper indexing should be done in all the plans and sections.
44. The year wise production and development sections need to be prepared on the updated geological sections and the year wise area to be mined needs to be demarcated by proper indexing. The Mineral Reject and OB should be demarcated in the production and Development section.
45. The year wise production and development sections and conceptual sections should be prepared based on Geological cross sections.
46. Conceptual plan should be submitted showing conceptual size of the pit, size of waste dump, afforestation for 5 year bock wise. Transverse and Longitudinal conceptual sections should be submitted. As the entire waste is to be back filled during conceptual stage, the waste dump needs to be deleted from the conceptual plan. Mining has been proposed near Explosives Magazine, the same needs to be corrected.
47. In the environmental plan, all the features lying within the 500m radius from the ML needs to be demarcated.
48. Environmental monitoring stations should be demarcated in the core and buffer zones in Key Plan .
49. In the Financial Assurance Plan, the category wise area put to use and proposed to be used should be demarcated with different index.
