

Table 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.

General

1. The category of mine shall be submitted as Category 'A' Mine instead of "Other than Full mechanised 'A' Category mine".
2. The G.O.Ms no.131 shall be submitted completely in Annexure-1A.
3. Mining Plan approval letter shall be submitted in Annexure-2A.
4. In the Annexure-2B submitted, the Dy.DMG, Guntur District has approved the 1st Scheme of Mining for the period of 4 years from 2016-17 to 2019-20. Whereas it is mentioned that the Scheme of Mining is approved for 5 years in the page no.1 and other chapters. Clarify it.
5. The Annexure and its cover pages shall be submitted correctly in the document.
6. The document is submitted for Review of Mining plan, whereas in page no. 2 it is mentioned that Modified Mining Plan is submitted.
7. Affidavit from the retired partner Sri.K. Chitti Babu stating the withdrawal of his investment from the firm shall be submitted.
8. Certificate towards of Registration of firm under Indian Partnership Act-1932 (9 of 1932) needs to be submitted
9. 'Nominated owner' to be mentioned in the details of the lessee submitted.
10. Mismatch of data is found in the document submitted for identity and address proof of the lessee.
11. In the document submitted, name of mine shall be as per details submitted in the Form 'C'.
12. The latitude and longitude of all corner boundary points where the mining lease area falls in the Survey of India toposheet shall be marked in the toposheet and same shall be captured in the text.
13. The boundary pillar coordinates certified by the state government shall only be annexed.
14. Details of earlier approved Mining Plan from IBM and all the Scheme of Mining approved by the State Government shall be submitted
15. Details of the earlier approved Mining plan by IBM and State Govt. shall be submitted correctly in page no.7 (Chapter 3.1).
16. In page no.8 and in other chapters it is mentioned that underground activity is continued, whereas opencast working proposal is submitted in the document.
17. In page no. 8 and in other chapters it is mentioned that underground activity is continued with the intimation to DGMS. The copy of intimation to DGMS or permission obtained from DGMS for carrying out underground activity shall be submitted.
18. In page no. 8 and in other chapters it is mentioned that underground activity is abandoned. If abandoned, the copy of Notice of Abandonment shall be submitted.
19. If the underground activity is abandoned, the precautions taken as per MMR 1961 shall be submitted.
20. Scheme of Mining is approved from State Govt. for quartz, feldspar and mica from 2016-17 to 2019-20. Details of production carried out for mica, quartz and feldspar shall be submitted.
21. This office is not having any returns for the mining operation period of 2010-2025. Year wise authenticated production dispatch report of mica, quartz, feldspar and vermiculite obtained from the State Government and submitted.
22. The document shall be submitted as per the chapters mentioned in the IBM manual on appraisal of Mining Plan 2014.

Review of Mining plan

23. Review of exploration, excavation, reclamation etc., of earlier approved Mining plan by IBM shall be submitted correctly in the chapter 3.3.

24. Proper justification shall be submitted if works were not carried out as per proposal made in the approved Mining Plan.
25. In the earlier approved Mining Plan by IBM, it is proposed to carry out open cast method of mining and it is submitted that if underground proposals are made, the lessee will submit modified mining plan to IBM. Whereas no modification of Mining Plan is submitted for carrying out underground mining activity in the mining lease.
26. In the document submitted it is mentioned that no work is carried out as per the earlier approved mining plan from IBM and no approval in the scheme of mining obtained from State Govt. for vermiculite working. Whereas in the plans and sections submitted, it is shown that one vermiculite pit is worked in the mining lease area and one outside that lease area. Also, Proposal has given for backfilling for vermiculite pit in south-west side of the lease area. Clarify it.
27. Status of compliance of violations pointed out by IBM shall be submitted correctly.
28. Details pertaining to proposal and achievement shall only be submitted in the review of earlier approved mining plan chapter.

Geology and Exploration

29. Study Report of bulk density and recovery factor of mica, quartz, feldspar and vermiculite for in situ and waste dump shall be carried out by authorised agency or government institution be submitted.
30. The Laboratory analysis reports of all the samples collected from 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. NABL accreditation certificate of the laboratory which carried out chemical analysis should be furnished.
31. In page no.18 it is mentioned that boreholes No.VBH-1 & VBH-2 are drilled, whereas it is not mentioned in the geological plans and sections submitted.
32. The category of the deposit should be designated based on MEMC Rules, 2015 for Pegmatite containing (Mica, Quartz, Feldspar) and separately for Vermiculite separately.
33. Axis wise UNFC classification of Resources/Reserves to be justified. 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.
34. The geological sections are not mentioned correctly in reserves and resources calculation in page no. 34. Accordingly reserves and resources need to be assessed as per MEMC rules and backup calculation thereof be submitted. Total geological resource need to be re-assessed.
35. Core boreholes proposal shall be submitted for carrying out exploration over the potentially mineralised area in G1 level.
36. Lessee should carry out detailed exploration (G1 level) over the entire potentially mineralized area under the mining lease within a period of 5 years from the date of opening of mine.
37. The resources/reserves should be re-estimated based on revised geological cross section, recovery percentage established and bulk density
38. All the existing exploratory inputs needs to be demarcated in the geological plan and geological sections. The Geological plan and Geological cross section are not in corroboration with each other. Proposed exploratory input locations need to be demarcated in the Geological Plan and the index needs to be submitted correctly in the Geological Plan.
39. In the parameters considered for reserves/resources estimation, the cut off grade to be submitted for chemical and physical properties else the attributes based on which vermiculite is considered as marketable should be furnished. Cut off grade of Quartz, Feldspar and Mica also needs to be submitted. UPL depth to be submitted and UPL boundary to be demarcated in the Plans and sections.
40. Details of reserves/resources as per UNFC codification needs to be submitted correctly for Mica, Quartz, Feldspar, Vermiculite.

41. Phase wise exploration carried out in the lease area should be furnished in tabular form. As well as the details of bore holes drilled incorporating, collar details, survey file for drill hole, assay details, geology details, rock quality details, for easy reference.
42. Resources below cut off grade and above threshold value should also be estimated and furnished.

Mining

43. Briefly describe the existing as well as proposed method of working with all design parameters indicating on plans /sections.
44. It is showing from the photographs submitted, the mining has been done in an erratic fashion as no benching has been made and steep wall has been formed due to mining. Mining proposal should be submitted for systematic and scientific mining operation, clearly depicting the year wise bench movement with depth level. Waste dumping proposal to be demarcated in the production and development plan year wise. The year wise production and development sections need to be prepared again on the updated geological sections and the area to be mined year wise needs to be demarcated by proper indexing.
45. Proposal shall be given for carrying out opencast working near/above the underground workings leaving a safety zone barrier permitted by DGMS.
46. The design parameters of the working shall fulfill the conditions of the HEMM permission issued by DGMS.
47. The material which is considered as OB and the grade of mineral reject shall be submitted.
48. Excavation proposal shall be submitted in tonnage wise also.
49. Pit wise excavation proposal shall be submitted.
50. The year wise table submitted towards insitu tentative excavation should be in consonance with the recovery study report.
51. Proposed pits for working, number of benches, maximum working depth shall be submitted.
52. Details like dimension, location co-ordinates, volume of all the existing mineral stack yard needs to be mentioned in text and demarcated in plan.
53. In the tentative excavation proposal it is submitted that excavation will be carried out in pegmatite pit, gravel and vermiculite pit. Clarify it.
54. Specifications & details of the machineries like model, imported/exported, max. reach height, width etc., shall be submitted.
55. The proposed haul road width, haul road gradient, bench slope, overall pit slope etc shall be submitted.
56. 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. Location of the year wise proposed mining area needs to be submitted. UPL or ultimate size of the pit is to be shown for identification of the suitable dumping site.
57. Location for dump site with co-ordinates, method of dumping, maximum height, spread area of dump shall be submitted.

Conceptual plan

58. Conceptual plan be prepared to indicate the UPL, life of the mine, conceptual exploration, pit dimension, land use pattern, status of reclamation and re-habilitation, land use, position of pit, dumps, dump re-handling proposals, green belt development etc. at the end of lease period. The details may be furnished in tabular form where ever required for easy reference.
59. The life of the mine needs to be assessed considering resource and reserves.
60. Conceptual plan and section need to be prepared for the entire lease area. Showing conceptual size of the pit, size of dump, afforestation land use pattern at the end of this 5 year period and at the end of lease period be submitted.etc.
61. It is mentioned that next plan period will be worked as underground mining. Clarify it.

62. Backfilling is proposed to carry out in the vermiculite pit outside the lease area, which is not acceptable.

Stacking of Mineral/Sub grade Mineral and waste disposal:

63. All the existing waste dumps with its no, location co-ordinates, dimension and tentative volume need to be submitted.

64. Proposed waste location with co-ordinates shall be submitted.

65. Retaining wall and garland drain proposal shall be submitted for the existing dump and existing dump.

66. In page no. 51, it is mentioned that mineral rejects will be used for backfilling. Clarify it.

Use of Mineral and Mineral Reject:

67. Describe briefly the requirement of end-use industry specifically in terms of physical and chemical composition for mineral Mica, Quartz, Feldspar and Vermiculite.

Progressive Mine Closure Plan:

68. Environmental monitoring report shall be submitted.

69. The report of blast vibration monitoring conducted shall be submitted.

70. Risk Assessment highlighting working near underground opening shall be submitted.

71. Anticipated hazards/problems during mining operations and its control measures shall be submitted.

72. Environment monitoring stations in the core zone and buffer zone to be shall be submitted.

73. Year wise information on protective measures for reclamation and rehabilitation works shall be submitted.

74. Backfilling shall be proposed in the excavated area of the buffer zones.

75. Financial assurance plan should be submitted in view of above comments.

Plans and Sections:

76. Proposals and features within the lease area shall be shown in the plans and sections submitted.

77. Incline and vertical shaft present in the mining lease is not shown in the plans and sections submitted.

78. 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.

79. The date of survey is not mentioned in the plans submitted. As per Rule 34 of MCDR, Every plan, section or part thereof under these rules shall carry thereon a certificate for its correctness and shall be signed by the Mining engineer with date. Provided that the geological plans and sections shall be certified and signed by the geologist employed under rule 55.

80. Plan showing the granted Mining Lease area connected with permanent ground control points shall be submitted.

81. In the environmental plan all the features lying within the 500m radius from the ML needs to be demarcated.

82. Conceptual plan shall be re-submitted showing conceptual size of the pit, size of dump, afforestation land use pattern at the end of this 5 year period and at the end of lease period be submitted.

Others:

83. Statutory Surveyor deployment is not mentioned in the employment potential chapter.

84. Full time Geologist shall be employed for category 'A' mines as per rule No. 55 (3) of MCDR 2017.



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Date:03.08.2020..

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 15.07.2020.

Sir,

With reference to your letter cited above on the subject, the draft Review of Mining Plan has been examined by Sri Madhu Sudhan Yadav, ACOM. Due to covid-19 lockdown inspection could not be carried out and the table scrutiny comments were prepared and 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.). In this regard you are directed to submit the Financial Assurance in the form of Bank Guarantee for the area put to 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 P.V.Narayana Rao, Qualified Person for information and necessary action.

(Shailendra Kumar)
Regional Controller of Mines

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