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No. AP/VSK/MP/SEMI-PRECI-25/HYD.

Room No.603,
6th Floor,CGO Towers,
Kavadiguda,Secunderabad.-500080
Date: 23.12.2019.

To

Sri B.Srinivasa Rao,
Plot No-201,D.No-10-2-45,
NAR Residency,Kailash Nagar,
Old Gajuwaka,Visakhapatnam,
Andhra Pradesh-530026

Sub: Submission of Review of Mining Plan in respect of Peddamadina Semi Precious Stone Mine of Sri B.Srinivasa Rao over an extent of 30.81 Ha in Survey No.75and 8/P of Peddamadina village, Buychayyapeta Mandal, Visakhapatnam District of Andhra Pradesh State submitted under Rule 17(2) of MCR, 2016.

Ref: 1.Your letter no. Nil dated. 15.11.2019.

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 B Srinivas Rao-Lessee,Sri Ramana Palla, Dr Ganga Rao BS- Qualified Person on 09.12.2019 and found certain deficiencies which were forwarded to you and your Qualified Person on respective e.mail ids i.e., ramanapalla26@gmail.com and bsgangarao@yahoo.com.

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 directed to submit the Financial Assurance in the form of Bank Guarantee for the area put on use for Mining and allied activities @ RsTwo lakhs/hectare for category 'B' mines provided that the minimum amount shall be Rs.Five 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 Dr Ganga Rao BS, Qualified Person for information and necessary action.

Yours faithfully,

(Shailendra Kumar)
Regional Controller of Mines

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(शैलेन्द्र कुमार)
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Scrutiny comments on the draft Review of Mining plan in respect of Peddamadina Semi Precious Stones Mine of Shri B Srinivas Rao over an extent of 30.81 Ha in S.No. 75 and 81/P of Peddamadina Village, Butchayyapeta Mandal, Visakhapatnam District, Andhra Pradesh. Date of Inspection-09.12.2019, Inspection accompanied by-Sri B Srinivas Rao-Lessee, Sri Ramana Palla, Dr Ganga Rao BS- Qualified Person.

General-

1. The status of lease period extension of the mine as per MMDR Act-1957 (As ammended on 12.01.2015) needs to be submitted and a letter from the state govt in this regard to be submitted and accordingly the heading of the document be mentioned.
2. The document should be submitted as per the format of IBM Manual on appraisal of Mining Plan-2014.
3. Copy of lease sketch needs to be submitted along with the lease deed.
4. Date of execution of the lease deed needs to be submitted correctly in the cover page and also at other relevant places.
5. Production and despatch figure for the period 2009-10 to 2019-20 dully authenticated by ADMG needs to be submitted.
6. Address details of the lessee submitted in the text should match with that of the address proof submitted.
7. Shape of the lease in all the plans should match with the précised area and shape of the lease area.
8. Category of mines needs to be submitted as per the mining machinery proposed to be used.
9. Copy of Notice of Opening of Mines needs to be submitted.
10. In the review chapter justification for deviation to be submitted. Review of exploration to be submitted year wise.
11. Status of compliance of violations to be submitted. Suspension order details needs to be submitted.

Geology

12. Regional Geological map of the area to be submitted.
13. Local Lithological sequence needs to be submitted.
14. 50m safety barrier zone all along the public road needs to be demarcated in all the plans and according the geological cross section needs to be prepared and reserves/resources to be estimated under blocked category.
15. Form-I (Notice of Commencement of Sinking of Trial Pits) needs to be submitted. Form-J (Lithologs) needs to be signed by the company appointed Geologist and Gemmological test report needs to be submitted for each trial pit. Few photographs of trial pits showing the mineralised zone needs to be submitted.
16. The parameters considered for reserves/resources estimation needs to be submitted.
17. The mineralogical microscopic study related photos needs to be enclosed in the recovery study.
18. Area explored under different level of exploration needs 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.
19. Geological Cross section is not corroborating to the Geological Plan. The Semi precious mineralised zone should be projected in the Geological cross section as per the exploration data available.
20. Proper UNFC justification should be submitted for all the parameters as per UNFC for Geology, Feasibility and Economic axis and also brief justification be submitted for categorisation of reserves/resources. In the Geology axis the grid pattern in which the exploratory trial pits have been dug needs to be mentioned. In the Feasibility axis justification the Economic viability, market demand and supply relation, industry structure and information on studies on amenability to cutting, polishing needs to be submitted. The washing plant cost needs to be considered. Feasibility report needs to be submitted again discussing all the mentioned points.
21. At least 10% of the total samples needs to be analyzed by NABL accredited laboratory/other government laboratory. In case of NABL laboratory the accreditation certificate in respect of scope needs to be submitted.
22. Reserves /resources should be estimated under Mineable reserve category (111), (121), (122) for carrying out mining operations.
23. Photographs of different type of Gemstones occurring within the ML needs to be submitted.

Mining

24. Mining proposal needs to be submitted where the mineralised area has been proved atleast in 111, 121 and 122 category.
25. The insitu tentative excavation should be submitted as per the format of IBM Manual on appraisal of Mining Plan-2014.
26. Bench parameters needs to be submitted.
27. Production and development section should corroborate to the Production and development plan.
28. Justification for man power requirement needs to be submitted.
29. The generation of subgrade mineral and rejects should be defined. Its stacking and utilisation to be proposed.
30. Conceptual Mine planning needs to be submitted for 5 year block upto the end of lease period taking into consideration the present available reserves and resources describing the excavation, recovery of ROM, Disposal of waste, backfilling of voids, reclamation and rehabilitation showing on a plan with few relevant sections.

Stacking of mineral rejects and disposal of waste

31. Details of existing waste dumps like dimension, co-ordinates and height needs to be submitted.
32. Built up of dumps from year to year to be shown in yearly plans and sections. Designed capacity & height of individual dump and precautions envisaged for confinement of the dumps alongwith protective works, needs to be submitted. Quantity of top soil likely to be generated during the ensuing five years needs to be furnished along with the arrangements for its storage.

Processing of ROM and Mineral Reject

33. As Screening and washing has been proposed, proper proposal to be submitted for disposal of tailing. Detail characteristic of the tailings needs to be submitted.

Progressive Mine Closure Plan

34. Summary of year wise proposal for towards progressive reclamation needs to be submitted. The progressive reclamation proposal needs to be submitted for environmental monitoring, Plantation along 7.5m Safety zone all along the boundary line and environmental protective measures by giving details like location, co-ordinates, area, nos, frequency and dimensions.
35. Screening and Washing plant has been proposed but its location has not been demarcated in the plans and not considered for area put to use for mining and allied activities.
36. The Financial assurance in the form of bank guarantee needs to be submitted as per the updated PMCP Plan.

Plates

37. The Bench mark needs to be established and its details like co-ordinates and mRL and details of location from where it has been transferred needs to be submitted in the relevant portion in Geology chapter. The contours line needs to be submitted at 2m interval.
38. ADMG authenticated sketch is not showing the Boundary pillar no and also the extent is mentioned as 33 Ha, where as the lease granted is of only 30.81 Ha. Hence the authenticated lease sketch should be submitted dully demarcated 30.81 Ha granted by giving boundary pillar co-ordinates and showing the boundary pillars position in the lease sketch.
39. The entire approach road developed to access the mining pit needs and for digging trial pits need to be demarcated in the surface plan. Contour lines need to be redrawn again. In the old mining area RL needs to be mentioned.50m safety zone all along the public road be demarcated in the surface plan, Geological Plan and production and developement plan.
40. Hatching pattern and colour needs to be submitted separately for year wise plantation and dumping area.
41. Core and buffer environmental monitoring station locations needs to be shown in Reclamation and rehabilitation plan and Key/environmental plan respectively.
42. Location of the mine to be demarcated correctly in the Key Plan.
43. In the Environmental plan all the features like habitations, public road and agricultural fields needs to be depicted.
