

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.

General-

1. The document should be submitted as per the format of IBM Manual on appraisal of Mining Plan-2014.
2. Copy of lease sketch needs to be submitted along with the lease deed.
3. Rule under which the document is being submitted needs to be submitted correctly at the cover page and also at all the relevant place.
4. *Production and despatch figure for the period 2009-10 to 2019-20 dully authenticated by ADMG needs to be submitted.*
5. Shape and size of the mining lease in all the plans should match with the size and shape of the precise area map certified by state Govt.
6. Status of lease period extension of the Mining Lease as per MMDR Act-1957 needs to be submitted and accordingly the nomenclature of the heading of the document needs to be submitted.

Details of approved Mining Plan / Scheme of Mining (if any)-

7. At 3.3 Reason for deviation in the approved proposed exploration, production and development, reclamation and rehabilitation, afforestation needs to be submitted.
8. At 3.4 Status of compliance of violations needs to be submitted correctly.

Part-A of Geology and Exploration Chapter

9. At 1.b), Regional Geology related information needs to be submitted only.
10. At 1.c) As no detailed exploration has been carried and that to only trial pits of max 6m depth and as per the lessee as the mining production has not been started yet, the detailed description of geology of the lease area such as shape and size of the mineral/ore deposit, disposition various litho-units indicating structural features if any etc needs to be submitted correctly correlating earlier approved mining plan and current exploration. Name of all the different types of Semi Precious Stone occurring needs to be submitted.
11. Under 1(d) the name, address, email and phone no of current exploration agency needs to be submitted also.
12. Under 1(e) (Details of prospecting/exploration already carried out) - the exploratory details (3 nos old bore holes, 27 nos trial pits) as approved in the last Mining Plan and the current exploration needs to be submitted. Further the details of Prospecting as per the last approved Mining Plan needs to be annexed and current exploration needs to be considered. Form-I (Notice of Commencement of Sinking of Trial Pits) needs to be annexed and also submitted separately through a letter. Old exploratory bore hole lithologs needs to be submitted.
19. Under 1(f) the Position of Stone-1 needs to be shown in the surface plan. Dimension of old pits needs to be demarcated correctly. Bench mark needs to be established in the mine 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.

13. Under 1(g) The details of exploration already carried out along with supporting data for existence of mineral including the old exploratory inputs (3 nos old bore holes, 27 nos trial pits) approved in the last Mining Plan along with new exploratory inputs (20nos trial pits), various lithounits along with structural features, mineralized/ore zone and extent explored under different level of exploration, UPL need to be demarcated on the geological plan.
14. Under 1(h) Geological Cross sections approved in the last mining plan only needs to be updated taking into account both the old exploratory inputs (3 nos old bore holes, 27 nos trial pits) and new exploratory inputs (20nos trial pits). Mineralised zone in the Geological Cross Section for Reserves estimation under 111/121/122 needs to be restricted upto the depth of mineralisation explored by Current exploration inputs only. Resources estimation needs to be done upto the mineralised zone depth as approved in the last approved Mining Plan and may be suitably categorized. The UNFC category and UPL needs to be mentioned in the Geological Cross Sections. The Semi Precious Mineralised zone should be projected in the Geological cross section as per the exploration data available.
15. Under 1(i) exploration needs to be proposed in G1 level by combination of exploratory core drilling, trial pitting and trenching.
16. Under 1(j)
 - a) Submit a feasibility study report along with financial analysis for economic viability of the deposit as specified under the UNFC field guidelines.
 - b) The UNFC justification needs to be submitted for Geological axis combining both the earlier exploratory data and current exploratory information and that to in tabular form. Further under Technological sub head the level of exploration needs to be justified by giving distance between exploratory inputs.
 - c) The UNFC justification needs to be submitted for Feasibility axis following points are to be attend-
 - i. Manpower details in Mining head needs to be submitted.
 - ii. The operating cost Estimates with likely break-up needs to be submitted in Costing.
 - iii. In the Other factors, the statutory clearances obtained relating to labour, land, mining, taxation, etc needs to be submitted in tabular format.
 - iv. As per the Prospecting Report enclosed in the last approved mining plan, Gas pipe is passing from Visakhapatnam to Hyderabad at southern side of the mining lease. Thus feasibility of mining and categorisation of reserves/resources be done accordingly.
 - v. Pilot Plant investigation needs to be proposed. The studies on amenability to cutting, polishing needs to be proposed.
18. Under 1(k)-
 - a) The parameters of reserves/resources estimation like cut off, mining losses, processing loss, Ultimate pit depth proposed needs to be mentioned.
 - b) Table for Mineral resources blocked dues to benches needs to be submitted separately.
 - c) Table for Mineral resources blocked dues barriers, pillars, road, railway, river, nala, reservoir, electric line, Gas pipe line and other statutory barriers etc, under forest, sanctuaries etc. where necessary permissions are not available needs to be submitted separately.

Mining

20. Mining parameters needs to be submitted in tabular form.
21. Proposed waste dump details needs to be removed from Dump rehandling (for the purpose of recovery of mineral).
22. Production and development section should corroborate to the Production and development plan.
23. Justification for man power requirement needs to be submitted.
24. 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, generation of top soil, recovery of ROM, Disposal of waste, backfilling of voids, reclamation and rehabilitation showing on a plan with few relevant sections. As Conceptual waste dumping has been proposed over the same area of waste dumping as proposed for 2020-21 to 2023-24, the same needs to be demarcated correctly and dimension and terrace height needs to be mentioned in the text.

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

25. Details of existing waste dumps like dimension, co-ordinates and height needs to be submitted.
26. 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.
27. Proposal needs to be submitted for conducting a study on proving the absence of Semi Precious Stone in the waste generated.

Use of Mineral and Mineral Reject

28. Describe briefly the requirement of end-use industry specifically in terms of physical and chemical composition for each type of Semi Precious Stone.
29. Indicate precise physical and chemical specification stipulated by buyers for each type of Semi Precious Stone.

Processing of ROM and Mineral Reject

30. 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.
31. As per the feasibility report the beneficiation process involve screening, jigging and washing of ore, whereas, the flow chart submitted is not in consonance. Submit the comprehensive flow chart of the processing plant.
32. As per the study report of mineralogical bulk density recovery test mineral assemblages of Alexandrite, Chrysoberyl cat's eye, aquamarine, moonstone, garnet and tourmaline are present. According to feasibility report only Alexandrite, Chrysoberyl cat's eye shall be segregated only which needs to be justified.

Progressive Mine Closure Plan

33. Summary of year wise proposals towards progressive reclamation needs to be submitted as per the table provided for ITEM NO. 8.3 of IBM Manual on appraisal of mining Plan-2014. 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.

- 34. Screening and Washing has been proposed but the same has not been considered for area put to use for mining and allied activities. The washing plant machinery placed within the mine has also not been considered under area put to use.
- 35. The Financial assurance in the form of bank guarantee needs to be submitted as per the updated financial assurance Plan.

Plates

- 36. Proper indexing needs to be done for showing the year wise area proposed to be mined and waste dumping area during the five years in the Financial Assurance plan. The Table indicating the break-up of areas in the Mining Lease for calculation of Financial Assurance table should be submitted as per the format of IBM Manual on appraisal of Mining Plan-2014.
- 37. The Gas Pipe line towards South side needs to be demarcated in the Surface Plan. 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. The washing plant machinery placed within the mine has also not been demarcated in the surface plan.
- 38. Core and buffer environmental monitoring station locations needs to be shown in Reclamation and rehabilitation plan and Key plan / Environmental Plan respectively.

.....



Hkkjr ljdkj/Government of India
[kku ea=ky;/Ministry of Mines
Hkkjrh; [kku C;wjks/Indian Bureau of Mines
gSnjkckn {ks=h; dk;kZy;/Hyderabad Regional Office



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

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

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.75 and 81/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. 03.07.2020.

Sir,

01. With reference to your letter cited above on the subject, the draft Review of Mining Plan has been examined by Sri S.K. Muduli, JMG. 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., ramanapalla26@gmail.com , ccgeoengg@yahoo.com and ccgeoengg@gmail.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 @ Rs Two 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 Sri V.T. Chander, Qualified Person for information and necessary action.

Yours faithfully,

(Shailendra Kumar)
Regional Controller of Mines

Ewyifrijugha

[kku u;a=d (n), Hkkjrh; [kku C;wjks] csaxyq:A

(□□□□□□□□ □□□□)
{ks=h; [kku fu;a=d

