

SCRUTINY COMMENTS IN RESPECT OF BRAMESWARA STEATITE & IRON ORE MINE OF SRI G.VENKATA RAMI REDDY OVER AN EXTENT OF 33.01 Ha IN Sy.NO. 865 OF VELDURTHY VILLAGE & MANDAL, KURNOOL DISTRICT OF ANDHRAPRADESH

GENERAL

1. The Rule under which the document submitted be corrected
2. Full contact details along with contact no. and Email ids if any be furnished.
3. The correct lease extent as per the LOI be furnished. It is at varying from chapter to chapter.
4. The total production and dispatches details of +45% Fe content and -45 % Fe of Iron ore and Steatite during the review period be furnished.
5. There is no proprietor in the instant case which has been wrongly mentioned. The lessee is individual.
6. At places it is stated that the application with regards to lease extension is under processing with the State Government. The application has already been processed and extension has been granted by the State Government. Accordingly the sentence be modified.
7. The IBM Registration with date is wrongly mentioned.
8. Copy of the RQP certificate also be enclosed.
9. At few places the text is repeated and instead the relevant para nos. be given.
10. At para 3.2, the information furnished to be none but there is one Modified Scheme of Mining vide Ir.no AP/KNL/MP.St&Fe-44/Hyd DATED 4.4.2011 which need to be mentioned under this para.
11. The document contains several Typographical errors and need to be corrected.
12. At para 3.3, the review of exploration and there of the deviation has not been properly dealt and justified. The Form-I & J for the drilled holes have not been furnished. The Environmental parameters like control of dust, Noise and ground vibrations etc have also not been properly dealt.
13. Under para 3.4, the violations pointed out by IBM and rectification of the same be furnished in a Tabular form and relevant violation letters and replies thereof be furnished in annexure form.
14. under para 3.5, the order of suspension and Revocation copies as said have not been annexed.

PART-A

15. Para 1.0 A. The highest RL is said to be 392 MRL which is not correct. The relief of the ML area has not been mentioned.
16. Para 1.0 B. Regional Geology: It is said that the litho units occurring in the subject ML area belongs to Cheyeru series and on the other hand formations like Dolomite and Shale belong to Vempally formation which belong to Papaghni series. The formations have not been properly equated to the Regional set up.
17. Para 1.0 C. Quartzite: It is stated that the Quartzite is exposed on South-West side of the ML area and which has not shown in Geological Plan.
18. Para 1.0 D. Name of prospecting /exploration agency: The Technical person name also be furnished.
19. Para 1.0 E. Details of prospecting/exploration -----: The details of Boreholes drilled be furnished under chronological order. The provision of Rule with regards to appointment of Mining Engineer be furnished as per the MCDR 2017.
20. Para 1.0 E iii) Details of sample Analysis: In this para only Core boreholes be spelled out which encountered Iron ore formation. No sample details of Steatite have been furnished.
21. Para 1.0 E iv) Expenditure incurred: The expenditure incurred during the review period and cumulative expenditure so far incurred be furnished.
22. Para 1.0 I. Future programme of exploration: Along the strike in pit-1, Core Boreholes be proposed at 100m interval to establish the depth persistence of the Iron ore zone/body.

23. Para 1.0 J. Reserve and Resources: Based on the Geological parameters, the scale of exploration said to be 'General exploration-G2' but elsewhere, it is said to be G1 level of exploration. In this connection it is to say that the level exploration already done be properly justified with facts and figures. No parameter for Steatite reserve/resource is furnished. Under Geological Survey sub head it is said that there are two pits, in fact, there exist three pits. The no. of core samples be checked once with the Form-J. Similarly the no. of Boreholes drilled also be checked. The width range Iron ore reef is said to be maximum of 70m which may be checked with the actual exposed width in the pit as well the thickness encountered in the drilled holes. The names of actual consuming industries and their specifications be furnished.
24. The para 1 D at page 24 be changed to para 1 K It is true that there are total 11 cross sections out of which 8 cross sections have been considered for reserve/resource estimation. A mention of this may be made in the text. The exposed thickness of Iron ore in the pit be properly projected on Geological cross sections. The Iron ore width shown on F-F' and F1-F1' does not confirm to the width shown on the Surface Geological Plan. The sub grade is said to have a grade of less than 45% Fe to 38% Fe content and asper threshold limit of 45% Fe content, this cannot be considered as Iron Ore. In view this, the reserve estimate need to be corrected and reviewed properly.

The Steatite mineral is neither marked in the Geological Plan nor in the Cross sections. No reserve estimation for Steatite has been done inspite sufficient exploration being carried out in the Steatite zone.

Mining

25. Para 2.0 A 1.Existing method of Mining: It is not quite understood that "Inside burden +5-6 benches were developed with L&T PC-200 along the strike of the ore body with 2-3m height in HW and FW". Elaborate the dimensions.
26. **Para 2.0 B 1.** The yearwise development & Production: The Coordinates of the year workings mentioned in the text does not confirm to the respective plans. The manner by which the yearwise disposal of waste shall be done has not been spelt out.
- 27 Para 2.0 F. The Conceptual Plan be modified as per the point at 25. In Conceptual five yearly block-wise mining and all ancillary activities proposals should be furnished up to end of life of the mine.
28. **Para 2.0 F iii):** Development & Production: The year wise extent of degradation also be given.
29. Para 2.0 F ix) c): Provision for the appointment of the Geologist has not been made.
- 30 Para 3.0 Mine Drianage: This para has not been dealt asper the guidelines.
- 31 Para 4.0 A: Mineral Rejects/Sub grade: It is stated that there is no likely generation of mineral rejects. Hower, in the Table furnished below the para shows there is a generation of Mineral rejects.
32. Para 4.0 B: Top Soil: It is stated that there is no generation of top soil but in production schedule there is a generation of top soil. Pl. clarify the same.
33. Para 5.0 B: Physical and Chemical specifications: The names of consuming industries and their specifications be furnished.
34. Para 8.6 Financial Assurance Table: This table be modified as per the above comments.
- 35 No Feasibility report has been prepared and appended.

Plates:

None of the Plates have been signed by the Qualified Person (QP) for the correctness of the Plans and Sections.

Plate-I (Key Plan): Proper shape of the lease be drawn. Approach road to ML area be shown. name of the places connected by railway line and roads going out of the places should be shown. Habitants have not been marked Plate no. be corrected. Habitants distance, direction from the subject area and the population details have not been furnished in tabular form. Toposheet no. has not been indicated. Extremities of Geo-coordinates have not been mentioned.

Plate-III (Surface Plan); Date of Survey is missing. Surface Plan has not been authenticated for its correctness by the surveyor. TBM has not been marked. The 50m barrier line drawn on the Eastern part of the lease area be checked.

Plate-IV(Surface Geological Plan): No structural features like strike, dip and Joints etc have not been marked.. The proposed Boreholes be marked with the proposed year. The Iron ore body has not been extended up to the F1-F1' as revealed on the surface and in subsurface through the Boreholes. The Steatite mineral zone has not been marked and indexed. It is not clear how the G3 scale of exploration has been demarcated.

Plate-IVA (Geological Cross sections): Geological cross sections be modified as per the Geological Plan above. The H-H' section be properly drawn. The Boreholes PBH-14 and 15 have not been properly shown.

Plate-5A to 5C (Production and Development plan), Plate-5D(Production & Development Sections), Plate-VI (Financial Assurance Plan) and Plate-VII and VIIA(Conceptual Plan &Sections) : These Plates be reviewed as per the comment vide Para 1.0(J) and Plate III.
