

Inspection report cum Scrutiny comments on examination of Review of Mining Plan in respect of Ragamanithippa Limestone and White Shale mine of G.Rama Mohan Rao over an extent of 16.763 Ha. situated in Sy.no.273 of Nagarur Village, Yadiki Mandal, Ananthapur Dist. of Andhra Pradesh State submitted under Rule 17(2) of MCR, 2016.

General:

1. The title of the Mining Plan should incorporate major mineral (Limestone).
2. Survey of the lease area has not been carried properly where in the pits and haul roads have not been updated as per the provision of rule 27 of MCDR, 2017.
3. The trial pits dimensions shown in the Surface plan & Geological Plan does not confirm to the ground conditions, The pits have not been shown properly shown
4. The cover page should be displayed with total lease area details, land type, Rule under which the document has been submitted, Plan period, Complete address of the lessee and Qualified person.
5. The document contains several Typographical errors and need to be corrected. Further the document need to be re-casted as a whole owing to several omissions and commissions which are uncalled for. The document may be prepared as per the guide lines displayed in the website.
6. Boundary pillars have not been erected as per the provision of rule 12(v) of MCR 2016, the same should be complied and submitted with the photographs.
7. The copy of the lease extension period as per the Section 8A(5) of MMDR Amendment Act 2015 has not been appended.
8. QP should sign in all the papers of the document and other persons required as per statute should sign the document.
9. Para 3.1(Date and reference earlier approved MP/SOM)details of approved MP/SOM): The details of approvals MP/SOM since inception with the validity period be furnished in a tabular form.
10. Para 3.3(Review of earlier approved proposals-----): All the approved proposals against the actual be furnished in tabular form with a remark column justifying the deviation if any. The Trial pits dimensions furnished in the Text does not confirm to the field conditions.
11. Para 3.4(Status of compliance of the Violations-----): The violations and compliance thereof during the review period be furnished in Tabular form. The copies of relevant violations and replies be furnished in Annexure form.
12. The contour values have not been distinctly written on Plans.

PART-A

13. Para 1.0 a (Briefly describe the topography-----): It is said that the ML area is a plain land which is not so, the central part of the ML area is a moderately elevated mound. The relief of the area has not been mentioned. The highest value of RL has been mentioned differently at different places.
14. Para 1.0 b (Regional Geology-----): The formation occurring in the area has not been properly equated with Regional Geological setup.
15. Para 1.0 c) (Detailed description of Geology-----): Dolomite in the subject ML area is often impregnated with serpentine which need to be mentioned.
16. Para 1.0 e) (Details of Prospecting/ Exploration already carried out): It appears from the Surface Geological Plan that few drill holes have been made and such details in Form-J/lithologs etc have not been furnished. It is simply stated that no boreholes have been drilled and which is not correct.. The channel sample quantity and sampling procedure has not been detailed. Lithologs of the Trial Pits have not been furnished.
17. Para 1.0 f)(The surface plan-----): The contour values have not been distinctly written.
18. Para 1.0 I) (Broadly indicate the future programme of Exploration): It has been proposed to drill 17 Boreholes without any purpose. The purpose of drilling and the formation in

which drilling is proposed has not been spelled out. The Type of the Borehole also to be mentioned.

19. Para 1.0 J) (Reserves and Resources-----): The basis for bulk density and recovery has not been mentioned. The scale of exploration has not been properly demarcated by considering the Trial Pits and working pits which are not in a regular grid interval. The explored areas be identified and demarcated on the Geological Plan as per the density/scale of exploration and accordingly the category wise reserve estimation be attempted excluding unexplored areas. The reserve/resource estimation be restricted to demarcated scale of exploration. As observed from the Geological Plan, Geology has not been properly demarcated on Geological cross sections and which formed the basis for Reserve estimation. The category of the deposit be properly classified based on Geological set up.
20. Para 1.0 k)(Furnish detailed calculation of reserve -----): All Reserve/Resource need to be reassessed as per the comment vide para 1.0 J).
21. Para 1.0 I)(Mineral Reserves/ Resources: The grade of Limestone mentioned to be 35%. It is not quite understood what 35% designates. Actual grade of Limestone be given instead of merely mentioning the threshold limit.
22. Para 1.0 Table (Category wise updated Reserves and Resources as on 1.4.2015): The Limestone grade is furnished against nil reserve 122 category. Similar case with Prefeasibility Mineral resources. Geological axis is not properly justified with grid density. Details of DTH holes have not been mentioned.
23. Para 2 a(Briefly describe the existing as well as proposed method-----): Trial pits details is uncalled for in this subhead. Present status of working should be submitted incorporating, dimension of quarry, grid lines, top RL, bottom RL, No. of benches in ore & waste, bench height & width etc.
24. Para 2 b (Insitu tentative excavation----): The area demarcated for tentative excavation falls under G3 Scale of exploration and thus it be relocated to area where already drilling has been carried out. The Tentative excavation be defined with the grid co ordinates. Layout of mine working should be discussed in the text part as required in the prescribed format in page no.50
25. Para 2f(Conceptual Plan----): This para be reviewed as per the outcome of the para 1.0 k)
26. Para 8.6(Financial Assurance): A financial assurance in the form of Bank Guarantee for the area put to use be calculated @3,00,000 per Ha be submitted.

PLATES

All the Plates be properly titled incorporating the major mineral.

1. Plate-1 Key plan should be submitted as per the provision of rule 28 of MCDR,2017, the area of 5 KMs around the lease area should be considered and all the details within this area as per statute should be incorporate.
2. Plate-4 Geological plan: The Scale of the exploration be marked as per the comment vide para no.1.0 J). UPL be redrawn.
3. Plate-5 Geological Sections: None of the sections drawn are in conformation with the Geological Plan. Section H-H' has no relevance. Scale of the exploration be marked on the Geological plan. None of the Trial pits have been projected on to the cross section and which foemed the basis of Reserve estimation
4. Plate-6 & 7 Year wise development plans and sections: This Plate be modified as per the comment vide para 1.0 J. Bench height and width submitted are not matching with actual field condition, the same should be rectified. Sections be restricted to proposed production area only.
5. Plate-8 Conceptual plan: This plate revised as per the comment vide para 1.0 J.
6. Plate-9 Conceptual Section: No. of sections drawn does not serve any purpose by merely showing plantation over the profile. The benches and workings be properly shown. The sections are sketchy.
7. Plate-10 Environment plan submitted is sketchy. The approach road to the mine has not been shown, Land use pattern adjacent mine is also not shown.
8. Financial assurance Plan: This Plan be revised as per the comment vide para 2 b.
