

Discrepancies observed in the Mining Plan along with Progressive Mine Closure Plan of Kachurwahi Manganese Ore Mine (Area-6.71 hect.) of M/s Veet Rag Homes Private Limited, located in Tehsil Ramtek, Distt. Nagpur (Maharashtra), submitted under Rule 13(1) of MCR, 2016 inspected by the undersigned on 15.06.2016

Field Observations:

1. There was an HT line passing through the area. This should be shown in the plates and suitable modifications in reserve estimation should be done showing blocked resources for 50 m on either side of the HT line.
2. During inspection it was observed that major part of applied lease area is still under active cultivation. Khasra-wise status of surface right should be given and suitable proposals for land acquisition and its cost implications should be discussed under the 'Feasibility' axis of UNFC as per the Mineral (Evidence of Mineral) Content Rules'2015.

Text and Plates:

1. At places in the document "RQP" has been referred. Instead of RQP, person qualified as per Rule 15 of MCR'2016 should be mentioned.
2. All the plates need to be submitted for full applied area. Some of the plates have been submitted only for the part for which proposals have been given. Further, status of exploration as per the Mineral (Evidence of Mineral) Content Rules'2015 should be mentioned in the text as well as on plates.
3. On page no. 5, under the details of other leases held by the lessee, mineral for which lease has been granted, date of grant and its status should be given. Further, the details given here are not matching with Annexure-V.
4. Details of 'Prospecting' done in the area alongwith compliance of MCDR'1988 should be given under chapter 3.
5. Analysis of samples should be done from an NABL accredited laboratory and report should be enclosed.
6. On page no. 12 & 14, it has been mentioned that 9 boreholes have been drilled in the area. It should be suitably corrected as per the actual number of drilled bore holes.
7. In the table given on page no. 12 a, details for BH-10 should be given. Further, details as given here are not matching with what shown in the geological Sections. Such as:- For BH-06, intersection of ore zone has been given here as zero but as per sections, the bore hole is intersecting the ore body. Also intersection given for BH-9 is not matching. Thus correct information should be mentioned and there should be uniformity between text and plates.
8. Date of survey has not been mentioned in the plates.
9. Dip as shown in the Geological plan and sections should be checked because intersections as given on page 12a depict change of dip or ore body strike direction from West to East. Thus it should be reviewed and corrected accordingly.

10. Resources blocked due to HT line on either side upto 50 m have not been taken into account while estimating the total resources. Thus re-estimation of total resources should be done and accordingly all the proposals need to be modified because opencast working proposals have been given in the blocked resources. Therefore, the proposals need a thorough review.
11. Fresh pre-feasibility report/ feasibility report needs to be submitted for revised resources position and revised working proposals giving cash flow and IRR for the project.
12. Longitudinal Section as given in the Geological sections as L-L' should be given for applied area only.
13. Bulk density should be clearly mentioned for all litho units.
14. Pit bottom at the end of proposals for each year and ultimate pit limit should be discussed and shown on relevant plates.
15. Conceptual plan should be discussed as per the guidelines in this regard and ultimate land use of the area should be discussed giving generation of waste, top soil and their management, sub-grade dumps position and its utilization & afforestation etc. upto the life of the mine. Suitable corrections should be made in the plates accordingly.
16. Recovery of sub-grade material with grade / chemical analysis should be informed. Separate stacking for sub-grade ore should be proposed.
17. In the employment potential given on page no. 42, proposal for one geologist should be incorporated.
18. Base line information on environment needs to be dealt in details. Further, impact of mining on agricultural land needs to be discussed. On page no. 45, under 8.1.2, water body in the vicinity of applied area as shown on the plates needs to be mentioned. Environmental monitoring of various environmental parameters need to be discussed alongwith the locations of monitoring stations. This should also be shown on relevant plates.
19. Socio-economic impact of mining on the local people pertaining to their livelihood should be discussed and engagement of local people should be given approximately.
20. Khasra map authenticated by state govt. in original should be submitted.
21. **Lease Plan** In case of fresh grant of mining lease a precise area demarcation map demarcating with survey nos. /Khasra nos. as well as longitude & latitude on survey of India toposheets/maps to be indicated. Details of recommended area to be given with geo-referenced co-ordinates (to be certified by State Govt. preferably with ground control points).