

SCRUTINY COMMENTS ON THE REVIEW OF THE MINING PLAN SUBMITTED UNDER RULE 17(2) OF MCR,2016 FOR TAVASIKONDA IRON ORE MINE OVER AN EXTENT OF 32.915 HA IN TAVASIKONDA VILAGE,BETHAMCHERLA MANDAL,KURNOOL DISTRICT,A.P. IN FAVOUR OF M/S SHREE ARYALAKSHMI STEEL PVT. LIMITED.

Text:

1. In the address column, telephone number to be mentioned.
2. The boundary pillar co-ordinates to mentioned in the text at appropriate place.
3. Under Sub-Head, Local Geology, mention to be made of Strike & Dip of the deposit.
4. The details of working pits along with lithology & dimensions to be mentioned at appropriate places in the text.
5. As per Rule 12(3) of MCDR,2017, the lease holder has to carry out detailed exploration(G1) over entire potentially mineralized area within five years from date of opening of mine. Accordingly, the proposed exploration to be completed during the year 2021-22. Proposals to be made accordingly.
6. In the feasibility Axis, the cost of production is mentioned as Rs247/- per tonne. However, as per your submission in the Annual return the cost of production is mentioned as Rs.354/- per tonne. This needs to be clarified.
7. The details pertaining to Drilling & Blasting to be given in the following format:

Drilling pattern in ore	
Drilling pattern in OB	
Maximum number of holes blasted in a round	
Charger per round(kg)	
Charge per hole(kg)	
Type of explosive	
Powder factor(Norms)OB/Waste/Ore	

8. The sub head "Conceptual Mine Planning" need to be elaborated taking into consideration the available resources/reserves up to the end of lease period. The same to be incorporated in the relevant conceptual plans & sections. The sections are missing, the same to be enclosed.
9. The dimensions of the proposed retaining wall around the existing and proposed dumps to be mentioned.
10. During the inspection it was observed that there are few stacks of iron ore on the North Western part of the lease. The same should be quantified with grade(average) and mentioned in the text.
11. The quantity under sub grade mineral/ore stock lying the in the lease to be furnished.

Plates:

12. It is seen during the inspection that the sub grade material stock on the Northern part of the lease has breached the 7.5 meter barrier zone. Proposals for re-handling of the same to be incorporated.
13. All the dumps need to be properly numbered and distinctly marked in all relevant plates.
14. In the Plate no.4 i.e. Geological Plan the following points to be corrected:
 - (a) Proposed boreholes to be marked distinctly with proper color code.
 - (b) The strike & dip to be marked.
15. In the Plate No.5 i.e. Geological Sections following corrections to be made:
 - (a) The section B-B' is not matching. The pit no.12 is not marked.
 - (b) The section F-F' is not matching. The dump is not marked.

- (c) The section h-H' is not matching. The sub grade stock is not marked.
- (d) The section K-K' is not matching. The sub grade stock is not marked.
16. In the Plate no.8 i.e. Environment plan the following corrections to be made:
- (a) Few more noise, Air monitoring stations to be marked at the strategic locations such as Loading, Haulage roads etc for better environmental monitoring.
- (b) The contour lines should be at the interval of five meters.
17. The Reclamation plan & Financial Assurance plan are combined. They should be submitted separately.
18. The land use data to be submitted in digital form (Geospatial data). The land use patterns, feature type and file type required are broadly classified and given below:

Sl. No.	Land use information	Format	Remarks
1.	Mining Lease Boundary	.shp or .kml file	Feature type polygon
2.	Pit area	.shp or .kml file	Feature type polygon
3.	Dump area	.shp or .kml file	Feature type polygon
4.	Stack yard	.shp or .kml file	Feature type polygon
5.	Tailing dam (if applicable)	.shp or .kml file	Feature type polygon
6.	Reclaimed and Rehabilitated land	.shp or .kml file	Feature type polygon
7.	Afforestation area	.shp or .kml file	Feature type polygon
8.	Others – Road, railway, Infrastructure, processing plant etc	.shp or .kml file	Feature type polygon
9.	Boundary pillar co-ordinates in serial order (Latitude and Longitude in Deg Min Sec)	Excel	In WGS-84 datum

The Shape file should contain the Land use information as attribute data.

19. All the year-wise proposals to be furnished in .kml/shape files.

