



GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
Office of the Regional Controller of Mines

No. AP/VZNR/MP/Mn-96/HYD

6th Floor, CGO Towers,
CGO Complex, Kavadiguda,
Secunderabad- 500 080, AP.
Date: 23.1.2018

To

Shri Kondala Swami Reddy,
Sikharparuvu Village,
Saluru Mandal,
Vizianagaram district, AP

Sub: Submission of Review of Mining Plan in respect of Anju Manganese mine of Sri Kondala Swami Reddy over an extent of 9.350 Ha situated in unsurveyed area Sikharparuvu Village, Saluru Mandal, Vizianagaram Dist. of Andhra Pradesh State under Rule 17(2) of MCR, 2016.

Ref: Your letter no. Nil dated 16.12.2017.

Sir,

With reference to your letter cited above on the subject, the site inspection was carried out on 28.12.2017 by Shri M.Pratap Reddy, AMG accompanied by Shri P.R.Mishra Qualified Person. The draft Modified Mining Plan has since been examined and found certain deficiencies in the form of Scrutiny Comments as given in Annexure. The scrutiny comments have already been forwarded on your e mail arbuchi@gmail.com and Qualified person's mail id earth_environment2008@yahoo.com as submitted in the document.

02. You are advised to attend the above deficiencies as per the annexure and resubmit the document complete in all respect in three bound copies along with soft copy in the form of CD (2 Nos.) within 15 days from the date issue of this letter. 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 at Rs. Three lakhs/hectare for category 'A' mines provided that the minimum amount shall be Rs. Ten lakhs as per the provision of Rule 27 of MCDR, 2017 only at the time of submission of final copies of the document.

03. The para-wise clarification & the manner in which the deficiencies are attended should be given while forwarding modified document.

Encl:a/a

Yours faithfully,

Sd/-

(Pankaj Kulshrestha)
I Controller of Mines

Copy : Sri P.R.Mishra, QP, Earth & Environment, S-27, Chandralok Market Complex, Niladri Vihar, Chandrashekarapur, Bhubaneswar-751021, Odisha.

Sd-

(Pankaj Kulsreshtha)
Controller of Mines.

Copy to the Controller of Mines (SZ), IBM, Bangalore, Karnataka, for kind information,

Sd/-

(Pankaj Kulsreshtha)
Controller of Mines.

Scrutiny comments on examination of Review of Mining Plan in respect of Anju Manganese mine of Sri Kondala Swami Reddy over an extent of 9.350 Ha situated in Un survey area of Sikaparuvu Village, Saluru Mandal, Vizianagaram Dist. of Andhra Pradesh State submitted under Rule 17(2) of MCR, 2016.

Date of Inspection: 28.12.2017

Inspecting officer: M.Pratap Reddy, AMG.

Accompanying officials: Shri P.R.Mishra Qualified Person

General:

1. The cover page should be displayed with total lease area details, land type, Rule under which the document has been submitted, mine code, IBM Registration no., Plan period, complete address of the lessee and Qualified person.
2. The consent letter to the Qualified Person has not been properly addressed and it has not been signed by the owner.
3. Though the Geo coordinates of the boundary pillars have been furnished but the pillars have not been erected on the ground. Photographs of the erected boundary pillars along with Geo coordinates be appended to the document.
4. No field tests/Mineralogical study covering the aspects Bulk density and Recovery tests has been carried out for the purpose of the Reserve estimation. This need to be carried out by the Government Agency/NABL. A Report of the same be annexed to the document.
5. No proper reason for the lapsed period (2014-15 to 2016-17) of Scheme of Mining has been furnished with the justification.
6. Para 1.0 a) General: Mine Code, and IBM registration no. has not been furnished.
7. Para 2.0 a) Name of leaseholder and postal address: Complete Postal address along with Pin code be furnished.
8. Para 2.0 b) Existence of Public Road---: The approach road and accessibility to the mine from Slur to the mine be furnished. The Lease Coordinates furnished in the text does not confirm to the Coordinates furnished in the Lease Sketch.
9. Para 2.0 c) Attach a general location map -----: The Geo Coordinates of Easting does not confirm to Geo coordinates furnished in the Lease sketch.
8. Para 3.3 Review of approved proposals: The yearwise review of approved proposals of 2009-10 to 2013-14 be done with due justification if any deviation exists. Review also be done for the years 2014-15 to 2017(Dec).
9. Para 3.4 Status of compliance of the Violations-----: The compliance status of the Violations has not been furnished.
10. Para 3.5 Indicate and give details of any suspension-----: It is stated to be not applicable. But the mining operations have been suspended vide Lr.no.AP/VZNR/Mn-137/Hyd dated 20.3.2014. Since the lease is under suspension since 20.3.2014 and lesee has not got suspension revoked ever since. Also the lease was recommended for revocation on 20.4.2015. So, a letter from DMG be obtained clearly stating the status of lease for processing of this document.

PART-A

11. Para 1.0 b (Regional Geology-----): The formations occurring in the area has not been properly equated with the Regional Geological setup.
12. Para 1.0 c (Detailed description of Geology----): Strike and dip of the formations has not been furnished. The exposed width and length of Manganese ore body length has not been furnished.
13. Para 1.0 d (Details of prospecting----): The Trial pits have been done in a linear fashion and not in a grid manner. The linear interval is at 30m and accordingly the same may be expressed.
14. Para 1.0 d) iii) (Details of sample analysis-----): The surface sample locations have not been marked in Geological Plan.
15. Para 1 I) (Broadly indicate the future programme of exploration---): As per the ministries guide lines and under Rule 12(4) of MCDR, 2017, in case of existing mining leases, detailed exploration (G1 level) over the entire potentially mineralised area under the mining lease shall be carried out within a period of five years from the date of commencement of these rules. Accordingly, a purpose oriented/need based exploration be proposed in the mineral bearing area. In case of inclined boreholes, the direction of inclination (Azimuth) be indicated.
16. Para 1.0 J) (Reserves and Resources-----):
 - 1) The type of the deposit be properly classified/identified as per the norms of Mineral (Evidence of Mineral contents) Rules 2015
 - 2) At the first instance, the scale of the exploration be marked on the Geological Plan based on the density of Trial Pits and the same be also marked in the respective Geological Sections.

- 3) A detailed report with the quantities of the excavated material during the field test for arriving recovery factor and bulk density has not been furnished. Locales of such pits dug for field tests be shown in the Geological Plan. While calculating the reserve/resources these factors (Bulk density and Recovery %) have not been taken into account. The estimation of reserve/resources should be based on these field tests.
 - 4) The Bulk density of 3.0 mentioned is on higher side. The recovery percent is stated to be 90% which is also on much higher side and not in conformation with the field conditions. No Mineralogical study report is enclosed with the document.
 - 5) The Trial pits density etc should be dealt under 'Technological' sub head of Geological axis.
 - 6) The various figures given under operating cost/T in Feasibility axis be checked for its correctness.
 - 7) No mining operations have been commenced in the M1 area. Besides, the Environmental Clearance is yet to be accorded. Therefore the feasibility axis be discussed under F2 only.
17. 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) taking into account of Recovery factor and Bulk density arrived during the field tests. The basis of grade wise recovery and sub grade estimation has not been spelled out.
 18. Para 2 A (Briefly describe the existing as well as proposed method-----): Present status of working should be submitted incorporating, dimension of quarry, top RL, bottom RL, No. of benches in ore & waste, bench height & width etc. In the instant case the mining operations are yet to commence. The production schedule be reviewed as per the comment vide para 1.0 J. The calculation pertaining to requirement of Excavators be checked one for its correctness. In the year wise production schedule, no waste generation has been accounted due to lack of proper bench formation. The average length of influence be referred as Strike influence.
 19. Para 2 b (Insitu tentative excavation----): The area demarcated for the year wise tentative excavation be proposed as per the G2 scale of exploration as demarcated vide para 1.0 J. with well defined grids.
 20. Para 2 c (Individual Year wise ----): The year wise layout of mine working should be discussed in the text part supported by bench wise calculations of proposed excavation of Ore and OB with the aid of Plans and sections. The production proposals for the year 2017-18 be restricted to the left over period i.e 3 months only.
 21. Para 2 d) (Describe briefly giving salient features---): The proposed bench height and width be checked once. The width of the bench should be more than the height of bench.
 22. Para 2f(Conceptual Plan----): This para be reviewed as per the outcome of the para 1.0 k)
 23. Para 4.0 Stacking of Mineral reject/subgrade mineral-----: This para be reviewed as per the comment vide para 2 b.
 24. Para 8.3.1 Mined out land: The mineral is yet to exhaust at depth and thus instead of mined out land the word area under mining be used.
 25. Para 8.4 Disaster Management and Risk assessment: Contact details along with mail id of responsible person be furnished.
 26. Para 8.6(Financial Assurance): In view of the above comments, the F.A. should be re-assessed and submitted as per Rule 27 of MCDR,2017 along with final copies.
 27. Backup calculations of Yearwise development and production schedule be furnished in the Annexure form.

Annexures:

The copy of the ML application, grant order and proceeding copies of ML be appended.

Annexure V: Copy of the Approval letter of Mining Plan be furnished.

Annexure VIII: The NABL accreditation validity is missing.

Annexure IX: This Annexure is illegible.

Annexure X: Feasibility study Report: Feasibility study report be reviewed as per the comment vide para 1.0 J)

PLATES

All the Plans and sections be prepared as per the latest lease sketch certified alongwith the Geocoordinates of all the boundary pillars by the competent authority.

1. Plate-I Key plan: The ML area be distinctly marked. The Plan should be 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. The existing mines if any with in 5km radius be shown. The extremities of the coordinates have not been drawn.The Key Plan be restricted to 5km radius.
2. Plate- (Lease sketch): Plate no. has not been given. The lessee's signature is missing.
3. Surface Plan, Geological Plan, Sections, Production and development and sections there of other Plans be prepared on 1:1000 scale for the better clarity.

4. Plate-III (Surface Plan): The boundary pillar nos. be given as per the authenticated lease sketch. The Surveyor certificate no. has not been furnished.
The four trial pits already exist in the ML area. And they are not proposed one. Bench mark has not been indicated.
5. Plate-IV Geological plan: The exposed width of the ore body does not exceed 4-6 m width. No strike and dip has been marked.
6. Plate-IV A Geological Sections: The Sections be updated as per the Geological Plan and comment vide para 1.0 J. The sections be checked once for the correctness plotting of the Geological contacts. The Geological formations and UPL be properly shown. The ore body dip component has not been taken into account. No proper index is shown.
7. Plate-V & VA: Year wise development plan Sections : These Plans and Sections be modified as per the IV and IV A. The proposed waste dump be properly depicted.
8. Plate VI Environmental Plan: 60m line has not been drawn. No contours have been drawn. Prominent wind direction has not been shown. Land use pattern has not been shown
9. Plate- VII: Reclamation and Rehabilitation Plan, Plate-VIII: Progressive Mine Closure Plan and Plate-IX & IX A : Conceptual Plan and Section : These Plates be modified as per the comment vide Plate IV and para 1.0 J.
