

Scrutiny comments on examination of Modified Mining Plan in respect of Girija Manganese mine of Smt. Y.Suvarchala Legal heir of Late Y.P.Rama Rao over an extent of 29.48 Ha. situated in Poram Reserve Forest, Block No.II of Chintalavalasa Village, Ramabhadrapuram Mandal, Vizianagaram Dist. of Andhra Pradesh State submitted under Rule 17(3) of MCR, 2016.

General:

1. In the cover page the Plan period is furnished as 2017-18 to 2021-22, which is not correct as the year 2017-18 has already been lapsed. It should be 2018-19 to 2019-20. The Rule under which the modified mining plan submitted is mentioned as 17(4) instead of 17(3) of MCR,2016.
2. In introduction, it is mentioned that the lease is extended up to 31.3.2017 instead of 31.3.2020. Please make the correction.
3. Para 1.0 General, is not as per the standard format given in IBM Manual.
4. In Para 2.0, Location and Accessibility, the expiry date of the lease is given as 30.3.2017 instead of 31.3.2020 and the address of the lessee is not matching with that of cover page.
5. The copy of Forest Clearance enclosed vide Annexure is not legible and nothing could be read out of it. The validity of the same be spelled out in text with the supporting documents.
6. Production capacity granted by the competent authority is 26,967 TPA but the production envisaged in the document is 90,000/- TPA. Please clarify.

PART-A

Para 1.0 (c) (Detailed description of Geology of the lease area -----): It is mentioned that at pit No.10 yellow ochre is seen. However , in para 1.0 (e) Nine quarries are furnished and the same have been shown in the Surface Geological Plan. Please clarify.

7. Para 1.0 J) (Reserves and Resources-----):
 - (i) 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. The estimation of reserve/resources should be based on these field tests. A field study report carried out by the NAB Laboratory has not been annexed.
 - (ii) In Table No.9, the bulk density is given as 3.0 and recovery factor s 61%. However for reserve estimation the bulk density is considered as 2.6 and the recovery from ROM is considered as 65% (55% ore and 10% sub grade) The basis of grade wise recovery and sub grade estimation has not been spelled out.
 - (iii) In Feasibility Axis (F1) under Mining, it is mentioned that height of the bench is 6m and width is 3m which is incorrect. The width of the benches should be more than height for stabilization of the benches.
 - (iv) Under working capital it is mentioned that minimum monthly production is 15942 which is incorrect. Accordingly working capital has to be furnished. In feasibility axis(F2) it is mentioned that with the basis of 32 no. of core drilling, it is classified under G2 category instead of 52 core bore holes.
 - (v) In table No.14 area covered under G2 exploration is given as 5.25 ha whereas in page No.14 it is given as 4.87 ha. Please reconcile and furnish the correct figure.
8. 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 carried out by the Department of Geology of Andhra University.
9. Para 2 a (Briefly describe the existing as well as proposed method-----): The approved quantity of ROM by the EC be mentioned and copy of the same be appended. The production schedule be reviewed as per the comment vide para 1.0 J. It is stated that considering 75,197 tonnes per annum average production is about 250 tonnes which is incorrect as the proposed production is about 90,000 tonnes / annum. In page No.28, it is stated that the average

proposed production is 62,973 tonnes which is also incorrect. Please make the correction wherever it is applicable.

10. In table No.22, it is mentioned that width of the bench is 3m against the bench height of 6m, which is incorrect. The width of the benches should be more than height. Please make the correction wherever it is applicable.
11. In para 2.0 (C) Conceptual Mine planning, annual production is given as 63,771.8 tonnes which is incorrect. Please make the correction.
12. In Table No.29, the proposed production for the year 2018-20 and for the conceptual period is furnished which is incorrect as the lease is going to be expired on 31.3.2020. In this case, the period 2018-20 itself is the conceptual period. Please make the changes accordingly in table No.30 and 30(A) also.
13. In table no. 31, the figures furnished are incorrect. Please furnish the correct figures.
14. In page No.37, Post mining land use pattern, it is mentioned that the area under mining at the end of the conceptual period is 2.6564 ha which is incorrect.
15. The figures given in table no.32(A) is not correct. Please furnish the correct figures.
16. In page no.39 under proposed dumps, it is mentioned that about 530256.92 m³ waste will be dumped. However, in table 32(A) , the same is mentioned as 4,14,834.8 m³. Please make the correction.
17. In page no.40, it is stated that about 14376 m³ waste will be used for back filling. However, in table 32(A) the same is furnished as 7020.2 m³. Please reconcile and furnish the correct figures.
18. There was no mention about the generation of top soil in para 4.0, however the area for storage of top soil is furnished as 0.05 ha in the financial assurance table No.46. Please clarify.
19. 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.

Annexures:

- (1) The earlier submitted Bank Guarantee has not been annexed.
- (2) The Copy of the EC should be appended.
- (3) Annexure VII is not legible. Please furnish the legible copy of the forest clearance. Certificate.
- (4) Report on Recovery and Bulk Density test carried out need to be annexed.
- (5) Annexure X: Form-K with regards to BH 55, 56, 61, 22PA, 41 P(a), 60, 19p is incomplete. Form-K of all the Boreholes be orderly furnished. The DTH holes details have not been furnished.
- (6) The NABL accreditation certificate with the validity should be submitted.

PLATES

1. Plate-III (Surface Plan): Proposed period is furnished as 2017-18 to 2021-22 instead of 2018-19 to 2019-20.
2. Plate-IV Geological plan : The Geological Plan should be prepared on 1:2000 scale for easy to handle.
3. Plate-IVA Geological Sections: The Sections be redrawn on 1:2000 scale as per the Geological Plan and comment vide para 1.0 J.
4. Plate-V A to V B: Year wise development plans: All the features shown in the plan are not indexed. Proposed period is given as 2017-18-2021-22 instead of 2018-19 to 2019-20
5. Plate-VI A to VI B: Year wise development sections: All the features shown in the plan are not indexed and colours shown in the plan are not matching with that of sections. Years are also wrongly furnished.
6. Plate VII: Environment Plan: Wind direction not shown. The features shown in the index are not marked on the plan. Proposed period is wrongly mentioned.
7. Plate VIII: Reclamation and Rehabilitation Plan, Plate-IX: Progressive Mine Closure Plan and Plate-X & X A : Conceptual Plan and Section : These Plates be modified as per the comment vide para 1.0 J.
8. Plate-VII Environment Plan: Prominent wind direction has not been shown. Contours have not been extended up to 60m buffer zone. Land use pattern in the buffer zone has not been properly shown and indexed.
9. All the plans and sections are to be prepared in 1: 2000 scale for easy handling except Environment Plan. The proposed period is wrongly mentioned in all the plans & sections and none of the plans are signed by the lessee.



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

No. AP/VZNR/MP/Mn-700/HYD

6th Floor, CGO Towers,
CGO Complex, Kavadiguda,
Secunderabad- 500 080, AP.
Date: 25.05.2018

To

Shri Yarlagadda Suvarchala,
H.No. 8-15-19/1,
Balaji Nagar, Cantonment,
Vizianagaram District, 535 003
Andhra Pradesh.

Sub: Submission of Modified Mining Plan in respect of Girija manganese mine of Smt. Y.Suvarchala over an extent of 29.48 Ha. located Poram RF-Block-2 of Chintalavalasa Village, Ramabhadrapuram Mandal, Vizianagaram Dist. of Andhra Pradesh State submitted under Rule 17(3) of MCR, 2016.

Ref: Your letter no. Nil dated 03.05.2018.

Sir,

With reference to your letter cited above on the subject, the site inspection was carried out on 18.05.2018 by Smt.Ch.Suseela, AMG accompanied by Shri Sai Guru Dutta, Geologist, representative of 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 id: girijammmines@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.). 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.

Yours faithfully,

(Pankaj Kulshrestha)
Controller of Mines

Copy : Sri Shri P R Mishra, QP

(Pankaj Kulshrestha)
Controller of Mines

मूल पति पर नहीं
खान नियंत्रक (द), भारतीय खान ब्यूरो, बेंगलुरु।

(पंकज कुलश्रेष्ठ)

खान नियंत्रक