

**Inspection report cum scrutiny comments on the Review of Mining Plan submitted by the by M/s Saraswati Power & Industries Limited in respect of Saraswati Limestone Mine (266.014 hectare) in villages Tangeda, Vemavaram & Chinnayapalem in Mandals- Machavaram & Dachepalli, District- Guntur in Andhra Pradesh State.**

Date of Inspection: 03.01.2020

Mine officials present : Sri P V Narayana Rao, QP, Sri Bal Dass, Lessee's representative

1. Geo-co-ordinates of lease boundary pillars authenticated by State Government in compliance of CCOM circular 2/2010 should be submitted for the following reasons
  - i. Lease boundary pillars are not posted in the field to establish the precise lease area.
  - ii. Village road passing through lease area as shown in the surface plan is found shifted towards Eastern side in the field.
2. Surface plan is not updated as per actual field condition;
  - i. Ground control points, Bench mark has not been found established in the field to carry out the survey.
  - ii. Change in contour RL were observed
  - iii. Limestone outcrop is observed on southern side of the lease area, but the same is not depicted.
  - iv. Metal road, village/ cart road, seasonal nala, canals etc. are observed in the field, but the same are not depicted on the Surface Plan.
  - v. Reserve forest boundary existing on North Eastern side of the lease area is common with lease boundary, the same be recorded.
3. The document should be submitted as per the prescribed format of "IBM Manual for appraisal of Mining plan 2014" only.
4. Consent Letter, Certificates, Undertakings should be submitted by Nominated Owner of the company on company's original letter head duly dated and signed.
5. Qualified person put his signature in all the pages of the text

Introduction:

6. The Mining plan was approved for captive mine to 5.0 MTPA clinker capacity plant, whereas in the present submission the same is reduced to 2.5 MTPA, which needs justification.
7. Time schedule for completion of Crushing Plant, Cement plant and commencement of Mining operation etc. be furnished.
8. Status of statutory clearance like EC, CTO, CTE etc. with its validity should be furnished.
9. Date of commencement of Mining operations is not submitted so far to IBM, but exploration is stated to be done in the year 2009-10, need clarification.
10. Copy of certificate of registration as per Indian Companies Act be submitted.
11. In para 1.0.a, lessee details, Name of the Nominated owner with address, mail id & contact no. should be furnished.

Geology

12. It is noted that exploration is done in the year 2009-10, whereas 'Form-J' is not submitted so far to IBM and 'Form-K' is also not found maintained in the mine. Reason for the same be furnished and copy of the same be enclosed.
13. Documentary evidence in respect of expenditure incurred in various prospecting operations carried out in the lease area be furnished.
14. Phase wise exploration carried out in the lease area should have been furnished in tabular form in para "Exploratory drilling" incorporating no. of bore holes, year of drilling, total meterage, type of drilling (DTH/ Core), angular/ vertical, maximum and

Minimum depth etc. Further, details of all bore holes drilled so far should be submitted in another table incorporating Bore hole no., location (Lat/ Long), collar RL, Depth at which ore encountered/ exhausted from surface, angular/ vertical, core recovery% etc.. All the Meter wise analysis of bore holes logs should be submitted duly signed by the concerned Geologist under whose supervision the exploration was carried out. Location of bore holes should be furnished in UTM co-ordinates also for clarity.

15. Reserves/ Resources should be reassessed as per MEMC Rules 2015 and considering the surface features like Village road, nala, canal. Section wise detailed calculation of Reserves/ Resources be submitted.
16. Justification of Reserves/ Resources codification as per UNFC is general in nature, it should be site specific to the lease.
17. Feasibility report submitted is for different mine of Laterite and Iron Ore Lease in Kadapa District of Raja Rajeshwari Dolomites, a partnership firm. It has to be prepared as per UNFC Guidelines, Economic viability of the project to be assessed incorporating the details like capital cost, pay-back period, cost of production etc.

#### Mining

18. The year wise production and development proposal to be submitted in accordance with the timeline of commissioning of plant to avoid storage of ROM and later re-handling.
19. Details of requirement of HEMM with capacity, make be furnished in tabular form.
20. In para present status of the mine, "No mining activity is done so far" has to be recorded
21. Road from Mines to plant should be shown in the year wise production and development plan.

#### Drainage

22. Study on Ground water table from institute of National repute has to be conducted to assess the impact of Mining on ground water table within one year and commitment has to be made in this regard.

#### Stacking of top soil/ mineral reject/ Overburden

23. Top soil is considered as overburden is not acceptable.

#### Use of minerals

24. Furnish briefly the requirement of end-use industry in terms of physical and chemical composition.

#### PMCP

25. Details of Base line data prepared by Agency accredited by MOEF be submitted for clarity. Copy of EIA/ EMP approved by MOEF be submitted as Annexure.
26. Retaining wall and Garland drain all along Top soil stack be proposed
27. Area considered for Financial assurance be modified, as exploration has been done in the lease, but area degraded for it is not considered.

#### Annexures

28. All the pages of Annexure-1 i.e. Memo dated 12/06/2008 to be submitted.
29. Copy of Lease deed in Form-K with additional condition along with Appendix be furnished.
30. Reference quoted in the document should be annexed and serially numbered, for easy reference.
31. Annexure submitted should be legible for easy reference

**PLATES**

- 32. Key Plan: Key plan should be submitted on Survey of India topo sheet, incorporating all the details under rule 32 (5) a of MCDR 2017.
- 33. Environment plan: Dwellings, School are observed within 500 meters of the lease boundary, the same should be incorporated in the plan.
- 34. Cadastral map indicating the lease area should be submitted.
- 35. Geological Plan:
  - (i) Geological features like Dip, Strike of the ore body, limestone exposure etc. should be marked.
  - (ii) Mineralised and Non mineralized area, Category of area under G1, G2, G3 should be marked distinctly.
- 36. Geological Section:
  - i. Collar RL of bore holes, Resources/Reserve codification as per UNFC, UPL etc. should be marked distinctly
- 37. Year wise development Plan and sections
  - i. Pit layout as detailed in the text should be depicted.

Conceptual Plan:

- 38. Only outline of position of quarry at this plan period as well as at conceptual period be marked.

In view of the comments above, modification in relevant para/ plans and sections should be suitably modified.

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Phone No. : (040)-27539992/2753993  
Fax No.(TF): (040)-27539991  
E-Mail : ro.hyderabad@ibm.gov.in  
No. AP/GNR/MP/Lst-60//Hyd

Room No.603, 6<sup>th</sup> Floor,  
CGO Towers, Kavadiguda,  
Secunderabad – 500 080  
Date. 08.01.2020.

To  
Sri B.V.P.S. Chowdary, Authorised Signatory  
M/s Saraswathi Power & Industries (P) Ltd.,  
269/5/98,Sagar Society,  
Road No.2,Banjara Hills,  
Hyderabad-5000 34.T.S.

Sub: Submission of Modified Mining Plan in respect of Saraswathi Limestone Mine of M/s Saraswathi Power & Industries (P) Ltd. over an extent of 266.014 ha in of Tangeda Village, Dachehalli Mandal, Guntur District, AP. Submitted under Rule 17(3) of MCR, 2016.

Ref: Your letter no.Nil dated Nil received by this office on 13.12.2019.  
Sir,

With reference to your letter cited above on the subject, inspection of the mine was carried out on 03.01.2020 by Shri Ibrahim Sharief,Sr.ACOM accompanied by Sri Bal Dass,Lessee's representative and Sri P.V.Narayana Rao, Qualified person and found certain deficiencies in the form of scrutiny comments as given in Annexure. The same scrutiny comments have been forwarded to you and your Qualified Person on e.mail id i.e., [venuadiraju@gmail.com](mailto:venuadiraju@gmail.com) and [podurirao@gmail.com](mailto:podurirao@gmail.com).

02. You are advised to attend these deficiencies as per the annexure and resubmit the document, complete in all respects, in three bound copies along with soft copy in the form of CD (2Nos.). 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 @ 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(1) of MCDR, 2017 at the time of submission of final copies of the document within 15 (fifteen) days from the date of issue of this letter, failing which the document will be disposed without giving any further opportunity.

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

Yours faithfully,

(Shailendra Kumar)  
Regional Controller of Mines

Copy to Sri P.V.Narayana Rao,Qualified Person for information and necessary action.

(Shailendra Kumar)  
Regional Controller of Mines

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