



भारत सरकार/Government of India
खान मंत्रालय/Ministry of Mines
भारतीय खान ब्यूरो/Indian Bureau of Mines
हैदराबाद क्षेत्रीय कार्यालय/Hyderabad Regional Office



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No. AP/GNR/MP/Lst.-16/dHyd.

Room No.603, 6th Floor,
CGO Towers, Kavadiguda,
Secunderabad – 500 080
Date :13.04.2022.

To
Sri K Vijay Kumar, Nominated Qwner,
M/S Sri Chakra Cements Ltd.,
Concrete House,#6-3-668/10/66,
Durga Nagar Colony,Panjagutta,
Hyderabad-500 082,T.S.

Sub: Submission of Review of Mining Plan in respect of Petasannigandla Limestone Mine. Of M/s SriChakra Cements Ltd. over an extent of 202.34 Hc. In Sy.No.28 of Singarutla Agraharam and in Sy.No.914/2 of Petasannigandla (V.),Karempudi (M.),Guntur District., Andhra.Pradesh submitted under Rule 17(2) of MCR, 2016.

Ref: Your Email dated.10.03.2022.

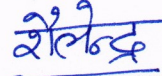
Sir,

With reference to your letter cited above on the subject, the scrutiny of the draft Review of Mining Plan has since been examined based on the previous inspection carried out by Sri Ibrahim Sharief, DCOM of this office along with Sri Guru Shekar Reddy, Mines Manager on 17.03.2022 and found certain deficiencies in the form of scrutiny comments as given in Annexure. The same scrutiny comments have already been forwarded on e mail id of you and your Qualified Person as submitted in the document . srichakracement@gmail.com & geotechmining2003@gmail.com

02. You are advised to attend the 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 (4Nos.). 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,

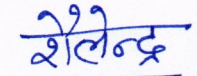

13/4/22

(शैलेन्द्र कुमार)
क्षेत्रीय खान नियंत्रक

प्रतिलिपि सुचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित

1^प खान नियंत्रक (द), भारतीय खान ब्यूरो, बेंगलुरु।

2^प NVSPL Ravikanth, QP, GEO MINING SERVICES, 1ST Line Lakshmipuram Guntur
522007 Andhra Pradesh


13/4/22

(शैलेन्द्र कुमार)
क्षेत्रीय खान नियंत्रक

SCRUTINY COMMENTS IN RESPECT OF REVIEW OF MINING PLAN OF PETASANNIGANDLA LIMESTONE MINE OF M/s SRI CHAKRA CEMENTS LTD OVER AN EXTENT OF 202.34 HA IN PETASANNIGANDLA VILLAGE KAREMPUDI MANDAL GUNTUR DISTRICT OF ANDHRA PRADESH STATE

Chapter 1 General Information

1. Para 1.1: Lease code shall be mentioned correctly
2. Para 1.1.1: details of Lease grant and execution shall be furnished as per State Government Grant Orders and Lease deed executed so far.
3. Para 1.1.2 : Details of LOI issued by the State Government before initial grant of lease shall be furnished.
4. Para 1.3.3: details of transfer of lease as per the State Government orders shall be furnished.
5. Para 1.3.4.1: The validity of EC is furnished as 22.12.2022, which needs clarification.
6. Para 1.3.5.1: Co-ordinates of lease boundary authenticated by State government shall be furnished. Further co-ordinates of excluded area within lease boundary shall also be furnished for clarity.

Chapter -2 Geology and Exploration

7. Para 2.1.2: Physiographic features like, Human settlement, Public Road, River are found out-side lease area and there a place of worship within 5 Km distance from lease area, all the above details shall be furnished correctly.
8. Para 2.2.1.5.: Details of 4 trial pits carried out during the last plan period shall be furnished.
9. Para 2.2.1.9 and 2.2.1.10: Details of sampling and chemical analysis carried out by NABL accredited lab (10% of total samples) and other labs shall be furnished and lab reports of the same shall be submitted as annexure.
10. Para 2.2.1.14: Area of 63.765 Ha was explored in G1 scale as per the earlier approved plan, subsequently 13 no. of core bore holes were drilled during last plan period and additionally about 32.425 Ha is converted to G1 scale as per para 8.2.1 in Chapter 8, accordingly level of exploration in G1 scale should have been updated.
11. Para 2.2.3: Details of ore body geometry shall be furnished based on prospecting, exploration and Mining activity carried out so far.
12. Para 2.2.1.7: Details of exploration agency, total no. of bore holes drilled, total meterage etc. shall be furnished
13. Para 2.2.2.9 and 2.2.2.10: Details of sampling and chemical analysis carried out by NABL accredited lab (10% of total samples) and other labs shall be furnished and lab reports of the same shall be submitted as annexure.
14. Para 2.2.4.2 : Weighted average grade of ore and Scale of exploration under G1 and G2 shall be recheck and furnished correctly.
15. Para 2.2.4.3: Cut off grade is considered 43.5% Cao and 13.5% Sio₂, which is above the threshold value notified by IBM i.e 34% Cao and 5% MgO (Max), the quantity and average grade of Sub-grade ore resources between Cut off grade and Threshold value shall be furnished.
16. Parameters considered to convert Resources to Reserves shall be detailed in Paras 2.2.4.3, 2.2.4.4, 2.2.4.5 and 2.2.4.6.
17. Para 2.2.4.11:
 - (i) Details of Type of Land, Name of the Radical shall be furnished. Grade% furnished is incorrect, which shall be rectified.
 - (ii) Feasibility Mineral Resources of 10,667,125 Tonnes mentioned in para 2.2.4.13 whereas detailed calculation of the same is not furnished under this para.
18. Para 2.2.4.12: Details of Type of Land, Name of the Radical shall be furnished. Further Grade % mentioned is incorrect, which shall be rectified
19. Resources shall be categorized as per the UNFC guidelines. As per the earlier approved document Feasibility/ Prefeasibility Mineral resources under 221/222 of about 12 million

tones are bought under Measured mineral resources 331 in the present submission, needs clarification.

20. Para 2.2.5.5 future exploration proposal shall be submitted as depth persistence of ore body is not yet proved.

Chapter 3.0- Mineral Processing

Dry processing:

21. Para 3.5.1 : Details of type of Screen, type capacity, feed size, product size, etc shall be furnished

22. Para 3.5.3 : Details of Product quality of Crushing and Screening shall be furnished.

23. Para 3.10: Material balance chart of mineral processing plant shall be submitted as annexure and reference of the same shall be furnished.

Chapter 4.0 Mining:

24. Para 4.2.1.2.1: Details of existing dump, stacks shall be furnished

25. Para 4.2..2.1: Year wise development and production proposal should be modified considering the following

(i) Maximum bench height proposed is 7 meters, whereas benches on southern side of pit and near Tower Light are of about 10 to 15 meters height, which needs to be reduced.

(ii) Small mound of about 30 meters is proposed to be developed by single bench height of about 30 meters, which is incorrect. Proper Pit Layout shall be designed to develop the mound from top –down wards with bench height of 7 meters.

(iii) No OB bench is observed in the lease area, only intercalated waste i.e. calcareous Clay, is observed. Hence no generation of OB to be anticipated in this plan period.

(iv) Suitable blending ratio shall be prepared so as to use Sub-grade ore in top benches with High grade ore in bottom benches in view of mineral conservation point of view.

26. Para 4.2.2.2: UTM Grid interval shall be furnished under sub heading ' Location of advancement'. Further Ore to OB ratio mentioned is on higher side, needs to be recheck and submitted.

27. Para 4.3. Hyderological Study and Bulk Density Study is stated to be carried out earlier, details of the shall be furnished and copy shall be submitted as annexure.

28. Following contradictory statements are furnished which needs to be corrected

i. In Para 4.3.3 There is no proposal of Dump handling in the plan period, which is contradictory to handling 4,36,511 tonnes of material from dump without any recovery of ore in para 4.3.4

ii. Total handling of material mentioned in para 4.3.3, is 48,01,623 tonnes is contradictory to 43,65,112 Tonnes mentioned in para 4.2.2.2.

29. Shovel excavator requirement- Para 4.4.2: Following shall be considered for computation.

i. Maximum capacity of excavator proposed to be utilized is 1.7 cum only, computation shall be made considering the same instead of higher capacity excavator of 2.9 cum.

ii. Tonnage factor should have been considered as 2.5 T/cum instead of 1.6 T/ cum for Limestone.

30. Para 4.4.5.1: details of Machine deployment at present shall be furnished

31. Para 4.5.1. No OB benches are there, hence no details are required under this para.

Chapter No. 5.0 Sustainable Mining

32. Under this chapter nil details are furnish. In this regard it is inform that as per the provision of rule 35 of MCDR,2017, all the mining lease holders shall take all precautions to carry out sustainable mining while carry out mining, beneficiation and has to achieve at lease there Star Rating. Accordingly, year wise proposal should be furnished to achieve the same.

Chapter 6.0 PMCP

33. Para 6.1, Area put to use for mining and allied activities furnished is on lower side, needs to be re-check and submitted
34. Para 6.2.2.2.2 and Para 6.2.2.2.3, details for protective measures like retaining wall all along bottom periphery of waste dump and Garland drain to prevent escape of waste material from dump should be proposed.
35. Para 6.2.3.2, Details of location in UTM co-ordinate to carry out plantation shall be furnished.

Chapter 7 Financial Assurance

36. Para 7.2, Total area proposed to put to use shall be furnished correctly.

Chapter 8 Review of previous proposals

37. Under this chapter review should be done with reference to proposals made in earlier approved and actual and deviation if any shall be justified properly.
38. Para 8.1.1, Area put to use for mining and allied activities furnished is on lower side, needs to be re-check and submitted
39. Para 8.1.2, 8.2.8, 8.3, Details of SDF and CSR expenditure reported in the Star Rating template filed during the last plan period shall be furnished.
40. It is observed that, so many tables are left blank and data has not been furnished. In this regard it is advised to fill the details wherever applicable or else mentioned as not applicable/ nil, accordingly the document be prepared and submitted.
41. The final document shall adhere to be conditions stipulated in CCOM circular 1/2021 & FAQ on format of Mining Plan issued vide CCOM Circular no.1/2021 dated 08.09.2021.

Enclosures:

42. Color photographs should be enclosed as annexure for easy reference pertaining to Lease Boundary Pillars, Working Pits, Afforestation, Ground Control Points.
43. All the annexure referred in the text should be submitted

Plans and sections

44. All the plans and sections should be prepared as per the provision of MCDR 2017 from rule no. 32 to 34. Further it is to mention in all the plans that this is to certify that the plan is prepared based of lease sketch authenticated by State Government and duly signed by competent person.
45. Key plan should be prepared on SOI topo sheet and furnished the details as per rule 32(5) of MCDR 2017
46. Surface Plan
 - i. Surface Plan should be duly signed by Surveyor for its correctness, Mines manager/ Mining Engineer and nominated owner should also sign as per statute.
 - ii. In Index table, excluded area, Bench Mark, Ground Control Points etc. shall be incorporated
 - iii. Only the bore holes drilled in the lease area and additional exploration if any shall be depicted.
 - iv. Two Old pits viz. pit no. 10 and 11, should be shown.
47. Geological Plan:
 - (i) UPL should be depicted distinctly
48. Geological sections:
 - (i) Bore hole: Bore hole no., depth, Collar RL shall be depicted.
 - (ii) Section D-D', Bore hole influence on its either side shall be considered and Ore Body shall be shown accordingly.
 - (iii) UPL shall be depicted
49. Year wise Development and Production Plan and section
 - (i) Year wise development plans shall be prepared based on scrutiny comment at Sl. No.25
 - (ii) Plans and sections should have been submitted in 1:2000 scale for clarity.
50. Progressive mine closure Plan
 - (i) The outline of the area put to use for mining and allied activities at present as well as at the end of proposed plan period should be depicted.

51. Progressive mine closure sections

- (i) Position of Pit, Benches at the end of plan period shall be depicted.

In view of the above, relevant para, plans and sections shall be suitably modified