

Inspection report cum scrutiny comment on the Review of Mining Plan submitted by M/s Bharathi Cement Corp's Limited for its Limestone Mine admeasuring 632.78 hectare at Yerraguntla Manadal, Kadapa. After field inspection dated 27th & 28th October 2017.

Introduction:

1. The entire chapter on Introduction be recasted. It may contain a paragraph containing the information related to installed Plant capacity, its limestone requirement and broad sourcing of limestone for the purpose from mine/ mines.
2. The next paragraph may contain the information related to initial grant, lease area and subsequent transfer of lease, reduction in lease area information upto the present stage. Since in this case, the lease is transferred by State Government in the name of M/s Bharathi Cement Corporation limited but the document has been submitted in the name of M/s Bharathi Cement Corporation Pvt Limited. The reason for the same should be submitted with documentary evidence showing the present status of name change. Further, as the lease is not yet transferred in the name of Bharathi Cement Corporation Pvt Limited as of now, the document should be submitted in the name of Bharathi Cement Corporation Limited only.
3. The document be strictly submitted as per universal format for Mining Plan / Review of mining Plan.
4. In the entire document the name of the company should be mentioned as Bharathi Cement Corporation Limited.

General

5. The name of the qualified person preparing the document should be submitted as per the authorization given by the nominated owner. It has been noted that as per Undertaking Shri K.V Suresh Kumar is authorized Qualified person. The changes be done accordingly in the document. Further instead of recognized person, qualified person be mentioned.
6. The email phone etc of the nominated owner be submitted in item 1.0
7. The registered address given in certificate of incorporation of the company and the document are different. Correct or clarify.
8. Incomplete data has been furnished in the document in Table 3. Data regarding khasra number is kept blank.

Review of Mining

9. In item 3.3, only proposal vs achievement be submitted and other unnecessary information be removed.
10. Similarly for the review of reclamation and rehabilitation it should be submitted clearly the proposal vs. backfilling has been done.
11. Review of top soil management be done properly w.r.t the quantity of generation and site of dumping.

Geology

12. The plans should be prepared on the same grid lines as submitted in the last scheme.
13. In the Geological plan location of the boreholes be checked and correctly plotted.
14. In para 1.0© regarding the local geology submit the various broad lithological / lithounit wise successions observed in the lease area, their thickness max and minimum and their Grade as observed in the boreholes only.
15. In para 1.0(d), submit whether the exploration has been undertaken under the supervision of Geologist appointed under rule 55
16. Every plan, section or part thereof prepared under these rules shall be signed by the mining engineer with date.
17. The geological plans and sections shall be certified and signed by the geologist employed under rule 55.
18. In para 1.0(e) (iii) submit clearly whether the samples of the holes drilled in last scheme period have been drawn and prepared under the supervision of the Geologist appointed under rule 55. Also submit the total number of samples prepared and whether the 10% sample have been assessed at the NABL accredited laboratory or not. It is not clear from the document whether the 10% of samples have been analysed at NABL accredited laboratory. Also submit the copy of form J- MCDR'88/ Fork I MCDR 17 has been submitted or not.
19. The strike and dip be plotted. The geological sections should be drawn across the strike to delineate the ore body.
20. The grade of various lithounits and the weighted average grade of the deposit be furnished in the tabular form.
21. The bulk density be assessed as per field study and submitted.
22. In para 1.0(j), the data sought has not been furnished, it may be recast.

23. In para 1.0(k) , (iii), submit the feasibility report in annexure covering the information on Capital

C o s t	Bench No- ---					
	Year	Operating Gridline	Operating Levels	Area in Mt ²	Thickness in Mt	Quantity in MT.

economic evaluation etc. and unnecessary information be removed.

24. In para 1.0k , the comment on linking of maps prepared with national grid, benchmark.

25. Since table 18 , 19 and 20 is creating the duplication of data furnished in Geology , PMCP chapter etc. It should be referred only.

26. In feasibility report , item regarding ' other' submit the status of various statutory clearance .

27. All The back up calculations table be given in the annexures only and duly signed by the Qualified person.

28. In light of above, reassess the technically mineable resource by deducting the blocked reserves classify it as per MEMC Rules for resource and reserve assessment.

Mining

29. In the production Plan and section, the top soil bench be marked with different colour. The ultimate pit limit be marked as well. The anticipated position of the pit on 31.03.2018 be assessed and marked on the plate. Then yearwise production-development be assessed.

30. In para 2.0 A(b) The mining proposal should be given to develop maximum production from minimum area put to use, as such the proposal be given for developing the third bench to the optimum and simultaneous developing the top benches in the lease area falling between grid lines E 4900-5900. Thus reaching the optimum bench position in the northern part of the lease between these gridlines upto UPL.

31. The proposal has been given for OB generation. If simultaneous blending of flaggy Limestone with grey massive limestone is proposed then separate generation of it OB may not be required. Hence the proposal be given accordingly.

32. The production proposal be given accordingly thus ensuring minimum degradation with maximum production. The proposal be given as how the movement of third bench will be ensured . Separate sump may be proposed with capacity depending on the rain water harvesting.

33. The Yearwise top soil generation planning be given as

<u>TOPSOIL EXCAVATION PLANNING</u>					
Year	Operating Gridline	Operating Levels	Area in M ²	Thickness in Mt	Volume in M ³

34. This

yearwise Limestone generation benchwise be assessed as

35. The benchwise weighted average grade of proposed mining block for each year needs to be furnished and the yearly weighted average grade should be close to the average grade of deposit for optimum exploitation of the mineral. The mechanism for the grade control for optimum utilization of mineral along with blending techniques needs to be furnished.

36. The proposal has been given for maintaining the 12 m benches but the benches being developed around 8-9m Hence it should be mentioned accordingly.

37. All the back up calculation for yearwise production should be given in annexures only with signature of Qualified person .

38. The back up calculation for extent of mechanization should be done as per the maximum production.

39. The Anfo : booster ratio be checked and correctly mentioned in light use of high power booster.
40. The yearwise proposal for top soil stcking be given on the footwall side within the lease only.

Conceptual Mining Plan

41. On the one hand it is submitted that entire lease area has bene explored but still in conceptual plan contrary statements have been given which needs to be corrected.
42. Submit the life of the mine as per the assessed resources and 5 MTPA as rated production of limestone from the mine.
43. Also assess whether there will be any reserves left at the end of lease period.
44. Assess the land degradation at the end of lease period and submit it in Table 38.
45. The land use patter need to be corrected in light of the scrutiny comments.
46. The conceptual pit development, waste generation , top soil generation and afforestation be assessed at the end of lease period.
47. For the reclamation , the use of top soil for backfilling is not correct. It should be use fro stabilization of top benches at it's ultimate position where water water harvesting is not proposed.

Mine Drainage

48. In para3 © submit the quantity of water likely to be encountered and pumping arrangement.

Stacking of waste and subgrade Mineral:

49. The temporary stacking of top soil stack be proposed on footwall side It's use as backfilling is not accepted.

Uses of mineral and Mineral reject

50. The entire chapter has been prepared for Dolomite and document has been submitted for limestone. Such careless , copy-paste attitude of the qualified person is not acceptable .

Others

51. The OMS be assessed as per the production capacity.

Progressive Mine Closure Plan

52. In para 8.1, The base line data be submitted as per MoEF guidelines. Incorrect submission regarding water regime be corrected.
53. In para 8.2, submit the impact assessed during the last 5 years. Clearly submit whether the observations were within the permissible limits or not.
54. In para 8.3 regarding reclamation plan, table 49 , topsoil management be corrected as per scrutiny comments.
55. In para 8.3.5 yearwise proposal for reclamation has not been fille . Needs correction. The gfarland drain and retaining wall be proposed at the toe of top soil dump as per requirement . The reclamation proposal be shown on the reclamation plan.
56. If due to aforesaid changes, the data in other chapter or plates changes, they may please be corrected accordingly and also ensure the consistency of the data submitted in various chapters of the document.



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



No. 659(549)Lst/2007/Hyd.

Room No.603,
6th Floor,CGO Towers,
Kavadiguda,Secunderabad.-50008
Date: 07.11.2017

To,
Shri J.J.Reddy,Nominated Owner,
M/s Bharathi Cement Corporation Ltd.,
8-6-626,Reliance Majestic,,
Road No.10,Banjara Hills,
Hyderabad-500 034.
T.S.

Sub: Submission of Review of Mining Plan in respect of Bharathi Limestone Mine of M/s s Bharathi Cement Corporation Ltd., over an extent of 632.278Ha. Situated in T.Sunkesula & Tippalur of Yerraguntla Mandal and Nallalingayapalli,thurakapalli,Sadipiralla,Jambapuram of Kamalapuram Mandal of YSR Kadapa dist., A.P. submitted under Rule 17(2) of MCDR, 2016.

Ref: Your letter no. Nil, dated 09.09.2017.
Sir,

01. With reference to your letter cited above on the subject, the site inspection was carried out on 27th. & 28th.of October,2017 by Shri Manish Mandiratta,DCOM, accompanied by Shri K.Suresh Reddy, Qualified Person. The draft Review of 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 sums.hpt@gmail.com and sureshreddy.kv@vicat.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 (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 @ RsThree 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,

(Manish Mandiratta)
Dy. Controller of Mines
Regional Controller of Mines

Copy to :Shri K.Prabhakara Reddy,Shri K.V.Subba Reddy and Prashant T Adhyapak ,Qualified Persons.

(Manish Mandiratta)
Dy. Controller of Mines
Regional Controller of Mines

Copy to :
COM(SZ),IBM,Bangalore

(Manish Mandiratta)
Dy. Controller of Mines
Regional Controller of Mines