



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



No. AP/ADB/MP/Lst-29/Hyd.

Room No.603, 6th Floor,
CGO Towers,Kavadiguda,
Secunderabad.-500082.
Date:18.04.2018.

To
Shri P.Narotham Rao,
Nominated Owner,
Mancherial Cement Company Pvt.Ltd.,
H.No.6-3-655/2/4,Civil Supplies Bhavan Lane,
Somajiguda,Hyderabad-500 082,
Telangana State.

Sub: Submission of draft Review of Mining Plan in respect of Mancherial Limestone Mine of Mancherial Cement Company Pvt.Ltd., over an extent of 278.50 Hc. Situated in Survey No.31 of Thimmapur Village and Survey No. 21 of Godapur Village, Mancherial Mandal, Mancherial dist.,T.S. submitted under Rule 17(2) of MCDR, 2016.

Ref: Your letter no. MCC/CO/IBM/MCW Mines/2017-18, dated 27.03.2018.

Sir,

With reference to your letter cited above on the subject, the site inspection was carried out by Sri Ibrahim Sharief, Senior Assistant Controller of Mines and P.Guruvaiah,JMG on 11.04.2018 accompanied by G.V.Krishna,Mines Manager and Sri Anil Kumar,Manager(PR), the draft Review of Mining Plan has since been examined and found certain deficiencies as given in Annexure. The same scrutiny comments have already been forwarded on email id of you and your Qualified Person as submitted in the document. mcccements@gmail.com and sivasu62@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 (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 and @ Rs.Two Lakhs/hectare for category 'B' mines provided that the minimum amount shall be Rs.Five 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,

(Pankaj Kulshrestha)
Controller of Mines

Copy to: Shri Dr.K.S.Siva Subramanian,Qualified Person. For information.

(Pankaj Kulsreshtha)
Controller of Mines

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

(पंकज कुलश्रेष्ठ)
खान नियंत्रक

Inspection report cum Scrutiny comments on examination of Review of Mining plan in respect of Mancherial Limestone mine of M/s Mancherial cement (P) Ltd. over an extent of 278.5 Ha. located in Mancherial Village, & Dist. of Telangana State submitted under Rule 17(2) of MCR, 2016.

General:

1. The details in the document should be furnished as per prescribed guidelines of “*IBM Manual on Appraisal of Mining Plan 2014*” available at [ibm website- www.ibm.gov.in](http://www.ibm.gov.in).
2. The document should have been submitted as Modified Mining plan instead of Scheme of Mining.
3. Cover page: Details like lease period (Grant & Expiry Date), Proposed plan period, Lessee, Prepared by Qualified person etc. should be furnished.
4. Plan and sections submitted is not matching with actual field condition, there exist pit on southern side of the lease area, but the same is not depicted in the plan. Further all the excavation proposals for the plan period starting from 2018-19 onwards as a fresh area is submitted, where already pit is present, which cannot be acceptable.
5. Capacity of Cement plant should commensurate to the approved quantity of mines feeding to it. Capacity of the instant lease should be computed based on the approved quantity of leases linked with capacity of cement plant. Technical report for conversion factor of limestone to Cement considered should be carried out by institute of National repute and submit. Based on the above study, production proposal of limestone of the instant lease should be made and furnish in introduction chapter.
6. Details of other leases granted/ executed in favor of the applicant/company with following attributes, state/ District, lease reference no & date, area in ha, minerals, period of validity and approved production of minerals as well as present status may be given in tabular form.
7. All the tables should be serially numbered and index of the same should be submitted.
8. Status of the statutory clearance like EC, COE, CTO, surface right area held the lessee etc. should be furnished in introduction chapter along with supporting document.
9. Experience details as required under the provision of rule 15 of MCR 2016 in respect of the qualified persons should be furnished in page no.12 with supporting document.
10. Co-ordinates of lease boundary pillars, reference points etc. authenticated by state government should be incorporated in text part of the document.
11. Validity period of previously approved documents should be furnished in tabular form for easy reference.
12. The new MC&D Rules had been notified in March 2017 whereas in certificate furnished by qualified person is for observance of MCDR,1988 in the document. The qualified person should be updated and prepare the document in compliance of the new MCDR, 2017 and submitted.

REVIEW

13. Review of earlier approved proposal furnished is sketchy, no details is given in respect of achieved against the earlier approved proposals, the details should be furnished in tabular form in to-to with reasons if any deviations, for easy reference. Further the validity of earlier approved document was expired on 31.03.2016, the lapse period thereafter and status of lease should be furnished. In this regard annual returns for the lapsed period should be submitted.
14. Page no.15, para 3.4, status of violation and compliance position during the earlier approved period up to date of submission far should be furnished in tabular form incorporating, nature of violation and compliance status with supporting document.

GEOLOGY

15. During inspection it was observed that analysis has not been carried out as per the standard procedure i.e. entire 1 meter core was not taken for analysis, reserve estimated based on the above cannot be acceptable.
16. Reserves should have been estimated for the entire lease area instead of part of the lease as estimated in the document.
17. Reserves should have been estimated as on date considering earlier estimation by deducting the production achieved during the last approved plan period and by adding additional reserves established based on exploration carried out,

18. Bore holes/ trenches carried out earlier in the lease area should be given in tabular form incorporating year of exploration, no. of bore holes/ trenches, max. depth drilled, total meterage, remarks etc. And submitted meaningfully in the text.
19. Expenditure incurred in respect of exploration carried so far should be furnished in addition to the details furnished.
20. Copy of analysis report from NABL lab should be submitted as per statute.
21. UNFC code should be depicted in geological plan and section for easy reference.
22. Threshold value of Limestone should be furnished as per the CCOM circular 3/2010 in to-to.
23. Details of exploration carried out should be furnished in the tabular form as below

SL no.	Area explored under				Total lease area
	G1 level (ha)	G2 level (ha)	G3 level (ha)	Unexplored area (ha)	

24. Future exploration programme should have been proposed for entire lease area as per the provision of rule 12(5) of MCDR, 2017 considering the compliance of suspension order, proposal should be suitably modified.
25. Meter wise analysis report of all the bore holes drilled so far and 10% of the samples from NABL accredited lab should be furnished else commitment to submit the same in time bound manner as required under the provision of rule 12(5) of MCDR, 2017, then only the entire process of exploration will be considered as complete and the data can be used for estimation purpose.
26. The UNFC feasibility assessment report should be submitted as per UNFC guidelines. Reclamation/ rehabilitation cost, closure cost and other important parameters should be taken into account. Cash flow forecast, sensitivity analysis should be given. Feasibility report has to be prepared up to cement as the mine is for captive consumption.

MINING

27. Details of quarries at present should be furnished incorporating, dimension (M), grid lines, no. of benches in ore and waste, bench height and width and overall pit slope. During inspection quarry was found waterlogged, the detail of the same should be furnished and depicted in relevant plans and sections.

28. Year wise tentative excavation should be furnished as per the table below

Year	Pit No.	Total tentative Excavation (m ³)	Top Soil (m ³)	OB/S B/IB (m ³)	ROM (m ³)		Mineral reject	ROM/ Waste Ore Ratio
					Ore (m ³)	Mineral reject		
1	2	3	4	5	6	7	8	9

29. The year wise details of proposed working should have been furnished in tabular form incorporating sections considered, Bench RL, length of influence considered, total excavation, Top soil/ Ore, OB, Recovery% of Ore, Bulk density, Ore in Tones.
30. Computation made for reserve estimation is not matching with the geological section submitted, which needs reconcile and submitted.
31. Layout of mine working should be detailed in the text and depicted in plans and sections in year wise development proposals.
32. Conceptual mining has not been detailed incorporating, UPL, Economic depth, considering available reserves, describing the excavation, recovery of ROM, backfilling of voids, reclamation and rehabilitation during end of this scheme period and up to life of the mine. The above details should be furnished in detailed in the text and depicted in plate.
33. Conceptual plan is sketchy, the ultimate pit design with no. of benches in OB and those in ore with their RL, extent with depth given are not based on geological and other statutory considerations. Ultimate pit limit has not been determined and has not been prepared as per procedures, guidelines, circulars issued by IBM from time to time.

34. Bore holes drilled in the lease area has not been depicted in development sections for clarity.

Disposal of Waste and sub-grade stock.

35. Present extent of waste dumps, ore stocks, sub grade ore stock present in the lease area with top and bottom RL, quantity and quality in respect of ore stocks may be furnished

PROCESSING OF ROM

36. There exist crushing and screening plant in the lease area, whereas the flow chart of the same with capacity of plants should be furnished in page no. 69.
37. Mode of transportation of ore from mine to cement plant should also be discussed.

PROGRESSIVE MINE CLOSURE PLAN

38. Land use pattern, area is Govt./ private land, if govt land surface right held or not and if tenent land , details of area occupied may be given in para 1.0
39. Environmental protective measures so far carried out in the lease area has not been detailed quantitatively for clarity.
40. Mitigative measures to reduce air pollution, dust suppression, ground vibrations, noise, water is given general in nature and not site specific. Mitigative measures should be given in detail in quantitatively as per EIA/EMP approved by MOEF. Compliance of EIA/EMP also incorporated.
41. Base line information as per the prescribed format should be furnished in detail. There exist road, thick forest, nala, flora fauna, sacred places etc. within buffer zone etc. the above details should be furnished.
42. Area put on use at the start of plan period submitted in financial assurance plan in page has not been computed and furnished in the document.
43. Bank Guarantee amount for the area put on use should be calculated at the rate of Rs. 3.0 Lakhs per Hactare and its validity should be upto proposal period of 31.03.2024.

PLATES

44. Plans and sections should be submitted on 1:2000 scale unless permission obtained from competent authority for change of scale.
45. Date of survey should be furnished in all plans and sections, for easy reference.
46. Surface plan should be duly dated and signed by Nominated owner, Manager, Surveyor.
47. UPL should be depicted in relevant plans and sections.
48. Geological sections
49. Different zone of proved, probable reserve and other resources have not been marked on plan and section based on exploration so far carried out as per UNFC norm. The lateral and depth wise extension taken for marking such zone of mineral may be detailed in text part also.
50. All 3 axes of UNFC codes should be depicted in geological plans and sections.
51. In Geological plan, future exploration proposal should be furnished in tabular form incorporating year, no. of bore holes, color code etc. for easy reference.
52. All the plans and sections should be submitted as per the provision of rules 31, 32, 33 & 34 of MCDR, 2017.

Enclosure:-

53. Copy of Authenticated lease map duly signed by state Govt. authority should be submitted.
54. Some photograph covering mining operations, waste dumping, beneficiation operation, sub-grade stocks and environment protective measures should be enclosed

