

Annexure

Text

1. Lease area in Plans and sections submitted is not matching with the lease map authenticated by the state government.
2. Backfilling has been carried out in Pit no.1 & Pit no.2 without complete extraction of ore below it, in this regard re-handling proposal of backfilled material and production of ore beneath the backfilled area should be submitted.
3. Geo-referenced cadastral map of the lease area as required as per CCOM circular 2/2010 should be committed to furnish.
4. On cover page, rule under which the document submitted should be furnished.
5. The document should have been prepared as per the prescribed format of 'IBM manual for appraisal of mining plan 2014'.
6. Page no. 2 Details of validity status of consent for establish and consent to operate should be furnished.
7. A study on Limestone consumption factor should be carried by a institute of national repute and committed to submit within six months.
8. Refer page no.2, details of approved mining plan should be furnished in tabular form incorporating Plan/SOM description, approved letter no. with date, validity period etc. for clarity.
9. Surface right held by the lessee, Status of CFE, CFO etc. should be furnished in introduction chapter with supporting document.
10. Present and permanent address of the person signing the document should be furnished with supporting document.
11. Geo co-ordinates of lease boundary pillars authenticated by State Government authority should be submitted.
12. Lease map authenticated by State Government during execution of lease should be submitted. Original copy of the same should be furnished for verification.
13. Stacking has been done within 7.5 meters of lease boundary in between ML pillars no.5 & 6, which needs justification. Lease boundary should be restored.
14. Consent letter should be submitted instead of submitting as Certificate, as per the guidelines.
15. Name of the mine should have been furnished as 'Chanakya limestone mine' instead of 'Chanakya Cements Limestone mine', relevant para should be modified in the document.
16. As per the statue only the qualified person is eligible to prepare the MP/RMP, but in cover page RQP certificate no. is furnished and in consent letter 'recognized person' is mentioned, which is incorrect.

17. Mr. Ramachandra has been considered as Qualified Person in page no. 5 in addition to Shri K Ram Babu, but in cover page and in consent letter considering only Shri K Ram Babu as qualified person is contradictory.
18. MCR,2016 should have been furnished as MC(OA&HEM)Rules 2016.
19. Color photographs of core bore hole logs, quarry workings, lease boundary pillars, backfilling, plantation, dumping etc. should be submitted.
20. Page no. 1, location of district, state in which mine is situated is submitted as AP, Nalgonda, which is incorrect.
21. Latitude and Longitude of lease boundary pillars authenticated by competent authority of state government should be furnished in text part also.

Review of approved Scheme of mining

22. Substantial quantity of waste was generated during approved period, review of the same should be carried out and submit. Further on Western side of lease area was reported to be backfilled with plantation without any approved proposals, which needs justification.
23. Page no.12, there exist about 269450 cum of ore in the lease area source of the same should be furnished as there was no proposal of generation. Utilization of the above ore with high grade as per earlier approved proposals has not been carried out instead it was stacked, which needs justification. Analysis of ore should be carried out by NABL approved lab or Govt. lab only else the analysis report cannot be acceptable.
24. Details of environment monitoring stations should be furnished.
25. In respect of Violation was pointed out during the plan period, its compliance status should be furnished as 'complied' or 'not complied', for clarity.
26. Copy of three season base line data monitoring should be furnished

Geology and Exploration

27. Reserves and resources have been enhanced from 68.921 million tonnes to 78.63 million tonnes and 38.812 million tones to 53.85 million tones respectively without any input of exploration and without considering depletion of ore produced during the period from 2012-13 to 2016-17. Details as below

As per approved document			As per present submission		
	DF	LG	G Lst	Gr Lst	Wht Lst

111	13.743	20.818	23.26	25.14	78.63
122	8.517	25.843	-	-	-
	68.921		78.63		
211	0.629	9.115	-	-	-
333	4.384	24.683	13.30	11.96	28.59
	38.812		53.85		

28. Future exploration programme should be proposed in such a way that entire lease area has been explored in G1 level within this plan period. Proposal should be suitably modified.
29. Exploration carried out so far in the lease area should be furnished in chronological order in tabular form incorporating year, bore hole no., location, depth, thickness of ore encountered etc. for clarity. Inconsistent data is furnished in present submission than the earlier approved document, which should be re-check and submit. Further no bore holes are drilled up to base of the ore body, few more bore holes should be proposed in already explored area to know the base of the ore formation for systematic mining.
30. Page no.18, future exploration is proposed, but details of the bore holes to be drilled like BH no., location, collar RL, grid interval, depth, type of drilling etc. should have been submitted in tabular form, for clarity.
31. Page no.16, Survey carried out in the lease area is furnished as 01.12.2011 but in the plans and section the same is furnished as 19.04.2017, which is contradictory.
32. There exist River, Irrigation canal, power line, railway line, power station in the lease but ore blocked due the safety zone of the above have not been taken in to consideration while estimation of reserves. Reserves, resources should be re-estimated considering the above factors and submit.
33. Justification of UNFC classification as per the guidelines should be furnished. Reserves should be re-estimated as per UNFC guidelines i.e. MEMC Rules 2015, justification of UNFC code should also be furnished.

Mining

34. Description made in respect of existing mining method is sketchy.
35. Present status of pit, quarry with top & bottom RL, no of benches in ore and waste etc. should be furnished in tabular form for easy reference.
36. There exist River, Irrigation canal, power line, railway line, power station etc. in the lease area but control blasting technique to protect the above should be proposed and submit in year wise development plan for safe and scientific mining.

37. There exist substantial quantity of ore reported to be low grade in the lease area but its utilization by blending with high grade ore should be proposed. Accordingly year wise development plan should be suitably modified.
38. In earlier approved period there was generation of waste, but in present proposal waste generation is considered as nil, which needs clarification.
39. Sections to be considered in development plan should be same as considered in Geological sections for easy reference.
40. Composite 5 year development plan and section should be submitted.
41. Conceptual plan prepared is sketchy and has not been prepared as per the guidelines. Position of pit, dumps etc. at the end of plan period as well as at the end of life of the mine should be incorporated and submit.
42. Though new rule of MC(OA&HEM)Rules,2016 was notified in 2016, but MCR,1960 is mentioned in the document, which should be corrected.

Stacking of mineral reject/ sub grade material/ disposal of waste

43. Proposal of re-handling of waste which was backfilled has not been planned and submitted, which is required for compliance of violation pointed out by this office. Proposal should be suitably modified.

Progressive Mine Closure Plan

44. Review of progressive mine closure plan should be furnished as per approved proposals.
45. Area put to use for calculation of financial assurance seems to be on lower side, which should be recheck and submit as per the actual field condition.
46. Summary of year wise proposal submitted is sketchy, Environmental monitoring, plantation, dust suppression etc. is reported to be carried out but the same is furnished as Nil. Year wise proposal for plan period should be submitted for clarity.

Plates

47. Key plan should be submitted incorporating the details as per the provision of rule 32(5) of MCDR,2017.
48. Date of Survey is furnished as 02/10/2016 & 24.03.2017, only the recent date of updated survey should be furnished to avoid ambiguity.
49. In all the plates, purpose of the document, Mine, lease area, lessee, date of survey, plate no. etc. should be furnished for easy reference.
50. RL's furnished in plans and sections are not legible
51. Geological Plan, UPL, litho units, furnished are not legible.

52. Geological sections, UNFC code should be depicted for easy reference.
53. In view of the above, relevant para, plans and sections should be suitably modified.