

Inspection report cum Scrutiny comments on examination of modified Mining Plan in respect of Kamalapuram Limestone mine of Shri S Subose over an extent of 4.213 Ha. located in Kamalapuram Village & Dhone Mandal, Kurnool District. of Andhra Pradesh State submitted under Rule 17(2) of MCR, 2016.

1. The document should be submitted as per the prescribed format of IBM Manual for appraisal of Mining Plan 2014 only. No other format will be acceptable.
2. The document should have been submitted as Modified Mining plan under rule 17(3) of MCR 2016 instead of Review of Mining Plan for the following changes
3. The method of Mining has been changed from Manual to Semi-Mechanised method of Mining,
4. It is proposed to increase the production of Limestone from 4275 MTPA to 50,000 MTPA and Dolomite from 3,206 MTPA to 30,000 MTPA
5. As per the approved document there were only 3pits, whereas during inspection 4 pits were observed. Further Annual/ Monthly returns have not been submitted to this office so far to substantiate the data furnished in review chapter. Hence entire Review chapter needs to be submitted correctly.
6. No mining operations are reported to have been carried out more than two years. In this regard, Order issued by State Government in compliance of section 4A of MMDR Act 1957, if any, be submitted. Further an affidavit in this regard shall be submitted stating 'No order from State Government/ competent authority is received for lapse of lease under section 4A of MMDR Act 1957'.
7. Position of Lease boundary pillars posted in the field and that furnished in the lease sketch are different, thus could not establish the precise area in the field.
8. In this regard, in compliance to CCOM circular 2/2010, co-ordinates of lease boundary pillars duly authenticated by State Government authority be submitted.
9. Consent Letter, undertaking, certificate should be submitted on Lessee's original letter head duly dated and signed by him.
10. Present status of lease as per section 8A of MMDR Act 1957 be submitted.
11. Statutory clearance like Environment Clearance, CTO, CTE, Surface right area held be furnished in introduction chapter with supporting documents.
12. In introduction chapter, the details pertaining to lease grant/ execution be submitted in sequential manner start from initial grant of lease, for clarity.
13. Details related to the lease be submitted instead of submitting irrelevant data.

Location and accessibility

14. Village/Tar road is passing adjacent to lease area, details of the same be furnished in page no.5.
15. There exist Reserves forests within buffer zone of the lease area, details of the same be furnished.

Review of Mining plan

16. Violations pointed by IBM should be complied for considering the document.

17. Table no.6 be modified by furnished related to Mineral waste as per approved document.
18. Mining operations were suspended by IBM on 21.10.2019 also, the details of the same be furnished in para 3.5.

Geology

19. Mineralized area of Limestone & Dolomite depicted in present submission is inconsonance with that of approved document, needs clarification.
20. Details of Mineralized, Non-Mineralised area, exploration up to G1 level, G2 level be furnished in text and depicted in Geological Plan.
21. Documentary evidence for cost of exploration activity should be submitted for considering the same.
22. Meter wise samples are stated to have been collected in old pits by making channels, but its location is not mentioned. During inspection such channels were not observed in the lease area. Further meter wise analysis has not been carried out. In this regard fresh sampling has to be carried out and details of the same be furnished with chemical analysis report from NABL lab approved with photographs.
23. Chemical analysis report submitted is not in consonance with field condition which needs to be re-assessed for the following reasons
24. Bore hole no. DTH-8 is stated to be intersected in Dolomite, whereas during the field verification of bore hole cuttings/ samples it is 'Limestone'.
25. Bore hole no. DTH-7 is stated to be intersected in Dolomite, but Limestone is observed in an excavation adjacent to it.
26. Hence the Reserves and Resources should be reassessed as per MEMC Rules 2015 based on the existing pits and propose the core bore holes for future exploration to cover the lease area in G1 and G2 level as per the provision of Rule 12(4) of MCDR 2017.
27. Bulk density of 2.4T/cum for Limestone is considered for computation, instead of 2.5 T/cum, in this regard scientific study carried out, if any, be submitted for justification.
28. Justification of UNFC code is sketchy and has not been detailed as per guidelines related to lease. In feasibility axis against the details of EIA/ EMP to be furnished whereas the detail is furnished quoting 'Environment plan'. Further to define economic viability of the project 'Sale price' has not been ascertained as per the prevailing market conditions. The above should be detailed.
29. The name of the agency/ person who prepare the feasibility report should be submitted.
30. There is no top soil observed in the lease area; instead the top layer of 1 to 2 meters depth contains Lime-Kankar mixed with lateritic soil. Reserves of the same be assessed and submitted.
31. Name of the person appointed under rule 55 of MCDR 2017 be furnished who collected and prepare the bore holes samples for analysis purpose.
32. Basis of considering 2% intercalated waste be submitted

Mining:

33. Pit geometry to adopt semi- mechanized mining method should have been proposed as per statute.
34. Year wise production and development should be modified for the following reasons:
35. There is no waste rock observed in the lease area, whereas basis of its generation and type of material considered as 'waste' needs to be clarified.
36. There is no top soil observed in the lease, hence year wise development and production proposals should be suitably modified.
37. In the earlier approved document there is proposal of generation of mineral reject, whereas in the present submission no such proposal is furnished, please clarify the same considering threshold value of limestone.
38. Computation made for adequacy of machineries needs to be re-check and submitted. Drilling machine of 83 mm dia. is proposed to have been used in para, proposed mining method, whereas while computation for requirement of drilling machines jack hammer of 33mm is furnished, which is contradictory.
39. Basis of considering 80% of Drilling and Blasting be furnished.
40. Mine pit layout should be detailed and depicted in the year wise development plan.
41. Drainage
42. Maximum depth is considered as 10 meters, whereas in year wise development and production, UPL is considered up to 20 meters from ground level.
43. Use of minerals
44. Grade of ore available in the lease area should be furnished and accordingly its usage be furnished in entire para 5.0.
45. Others
46. Statutory personals as per MCDR 2017 should also be considered in employment potential.
47. PMCP
48. Base line data be furnished as per MOEF guidelines.
49. Monitoring stations for Air, Water, Noise etc. should be furnished.
50. Plates:
51. In title box: Purpose of the document prepared with plan period be furnished.
52. Key plan should be submitted on survey of India Topo sheet only, marking all the details distinctly as per the provision of rule 32(5)(a) of MCDR,2017
53. Surface Plan
54. Name of the surveyor with Surveyor certificate no. be furnished.
55. Qualified person, Lessee should put their signature
56. Co-ordinates of lease boundary pillars submitted be deleted
57. Ground control points considered for establishment of bench mark should be shown and detailed in text.
58. Geological Plan
59. Strike and Dip of the ore body be marked.
60. Conceptual Plan
61. Outline of area excavated at the end of plan period as well as at lease period be demarcated

62. In view of the above relevant para, plans and sections should be suitable modified.
