

Scrutiny Comments on ‘Review and Updation of Mining Plan’ in respect of Shahabad (Bankur) Limestone Mine of M/s Jaypee Cement Corporation Ltd., ML No. 2092, covering 328.34 Ha of area in Bankur Village, Chittapur Taluk of Kalaburagi District, Karnataka State.

All the headings, subheadings and para nos. should be replicated as per the standard guidelines as given in “*IBM Manual on Appraisal of Mining Plan 2014*” and information’s to be given in order.

All annexure given are to be indexed/ numbered in proper order. New chapter should be commenced in a new page.

COVER PAGE

1. The unit of Lease area may be corrected.

INTRODUCTION

2. On the cover page, it has been mentioned that M/s Jaypee Cement Corporation Ltd. is a private Limited Company, whereas in this chapter it is given as public limited Company. The same may be clarified & corrected accordingly.
3. Status of Environmental Clearance may be discussed in this chapter.
4. State wise leases already held by the lessee indicating the type of mineral, areas, location etc. may be furnished.

GENERAL

5. Para 1.0 (a): In this para, the details like Name, address, phone no., Fax, Mobile No and E-mail ID of the nominated owner may be given.
6. Para 1.0 (b): It is mentioned that there is no other lease in the name of Lessee in the State of Karnataka or any other State in India whereas in the previous approved Scheme of Mining details pertaining to a working limestone mine in Andhra Pradesh was furnished. Clarification may be given.

LOCATION AND ACCESSIBILITY:

7. Para 2.0(a): (i) The nomenclature of boundary pillar may be kept uniformly in text & plates. (ii) The details furnished of Boundary point (BP-1) does not match with the readings given in the surface plan. (iii) Topo sheet No given in text is not matching with the Topo sheet no given in the plate. (iv) The Ground control point considered is not permanent in nature. The same may be corrected accordingly.

PART-A

8. Para 1.0 (e): The details of the NABL accredited laboratory may be furnished.
9. Para 1.0 (i): In table No.10, grid interval and year of drilling may be indicated.

10. Para 1.0 (j): (i) The area under G-1, G-2, G-3 and G-4 may be given in a tabular form based on the exploration carried out in the past. The same may be shown in the Geological plan and sections as well. (ii) Reserves/resources may be estimated by slice plan and cross sectional area methods separately and variance may be analysed and explained. (iii) In economic evaluation of feasibility report provisions of paying royalty DMF and NMET are not considered.
11. Para 1.0 (l): Recovery factor may be clearly specified in terms of % and the field test conducted may be enclosed & discussed.
12. Para 2.0A (a): The Mining pit area of 60.58 Ha may be verified & crosschecked from the earlier approved scheme of Mining & corrected.
13. Para 2.0 (b): (i) Table no 23 may be given as per the format prescribed in the IBM manual for preparation of Mining Plan & two separate table may be given, one in CuM & the other in Tonnage. (ii) A separate table for Bulk density of each material may be given for computing the tonnage. (iii) Bench slice plan is to be enclosed in case of "A" category mine with production exceeding 1 Million Tons. (iv) In insitu excavation table, for Top Soil calculation, 30-50 cms from the top of the soil cover must be considered, as the top soil contains all the nutrients. The rest must be considered as Overburden (OB). (v) Table no. 23 may be recalculated appropriately based on the above fact. The top Soil & overburden may be corrected appropriately in the entire document & respective plans & sections. (vi) Storage of top soil and its concurrent use may be plotted on their respective plates.
14. Para 2.0 (c): (i) Bench wise, mRL wise, section wise calculation may be furnished on yearly basis for production & development proposed in the plan period. (ii) Individual year wise workings, development, top soil dumps, OB dumps, broken up area & stripping ratio etc. may be discussed with reference to the respective plan & sections.
15. Para 2.0 (e): In this para discussion on site for disposal of Overburden, ground preparation, dumping inside/outside the UPL and dumping ground proved for absence/presence of mineral may be discussed.
16. Para 2.0 (f): (i) This Para may be rewritten in brief and summary of the conceptual mine planning up to the end of lease period based on available resources and reserves, method of mining, recovery, backfilling, R & R envisaged and disposal of waste may be given. Few sections of the same may be enclosed as plates. (ii) The information furnished on land use pattern at the end of plan period (area under Mining & Area for future use) in Table no.28 may be verified & crosschecked.
17. Para 4.0(a): In this para indicate briefly the nature and quantity of OB & top soil to be disposed off in the appended table on yearly basis

Year	Top soil (Tons)		Over Burden (Tons)	
	Reuse/spreading	storage	Backfilling	storage

18. Para 4.0(b): This para may be rewritten as per the requirement. The proposed dumping ground of OB within the lease area be proved for presence or absence of mineral and be outside/ Inside the UPL with proper justification.

19. Para 4.0 (c): In this para, attach a brief note indicating the manner of disposal of OB, configuration & sequence of build –up of OB dumps along with proposals of protective measures with reference to plate No. may be given.
20. Para 5.0 (d): This para is not applicable as this is a captive mines.
21. Para 8.2: The land use description may be altered as per the above comments in 11(iv) & 14(ii).
22. Para 8.3.1: (i) Information furnished in table no.40 & table no.27 are not aligned. The same may be verified & corrected. (ii) In table no.41, survival rate may be included.
23. Para 8.3.5: Bund formation length & quantity mentioned in table no.42 may be reviewed & changed accordingly.
24. Para 8.6: The land use at the start of the plan period ,additional requirement during the plan period & net area considered for calculation may be verified & corrected as per the relevant comments placed.
25. Certificate from QP may be annexed as per the format prescribed by IBM.
26. Signature of the applicant in the Consent letter/Undertaking /Certificate must be in original and date to be given.

27. PART-B: (Plates)

All the plans & sections may be prepared in 1:2000 scale, except the surface plan, Geological Plan & its sections.

The copy of DGPS Plan duly authenticated by the State Govt. may be submitted; else an undertaking by the nominated owner may be given.

Bench slice Plan may be enclosed.

- a) Key Plan (Plate No.1): (i) The approach road to the ML area with distance from known place may be marked. (ii) Few more samples of air, water & noise may be marked in the core zone as per IBM/MOEF guidelines. The same needs to be corrected in the text part as well. (iii) Few soil monitoring stations in the core zone & buffer zone may be shown. (iv) Buffer zone diameter considered may be marked appropriately.
- b) Location Map (Plate No.2): Yadagir district is missing from the map of Karnataka. May be corrected accordingly.
- c) Surface Plan(Plate No.3): All the feature including electric poles, water tank, abandoned buildings, present water level, existing stacks, waste dumps etc. may be marked on this plan & updated.
- d) Geological Plan (Plate No.4): (i) the nomenclature & colour code given for different litho units must be same on both plan and sections. (ii) Area explored under different level of explorations is not marked properly & prominently. (iii) UPL is not marked properly. (iv) Dip and strike of the formation is not shown in plan.
- e) Geological Section (Plate No.5): The remarks given in geological plan may be considered for geological section. Empty space below the formation may be deleted & scale enlarged for better visibility.

- f) Production and Development Plan (Plate No 6A-6E): (i) Production and development should go hand in hand. The plan should be modified accordingly. (ii) Barrier proposed for Nallha should be 50 mt away. Necessary corrections may be applied in all the proposed years.(iii)Distance & direction of the progress of each of the benches including top soil may be marked. (iv)Top soil stacking may be shown. (v) Protective measures for the proposed bund formation may be given & shown year wise.(vi) The top & bottom mRL of each of the benches may be shown appropriately.
- g) Production and Development Section (Plate No.7): The remarks given in production & Development Plan may be considered for preparing the year wise working sections.
- h) Environment Plan (Plate No.8& 11): All the monitoring stations may be marked as per the remarks given in plate No.1.
- i) Conceptual Plan & sections (Plate No.9): (i) In this plan, plantation is not required on the top benches as lot of reserves and resources are left. (ii) Plan period and conceptual period may be marked properly.
- j) Financial Area assurance Plan (Plate No.10): (i)The are considered for financial assurance should be shown by different colours and indexed.(ii) This plate may be corrected in accordance with the comments offered in point no.22, para no. 8.6 mentioned above.
