

Scrutiny Comments on examination of Draft Modified Mining Plan in respect of Kodla Limestone Mine (ML nos. 2673/2674) situated in Kodla & Benakanahalli Village, Sedam taluk of Gulbarga-dist. over an area of 517.61 ha of M/s Shree Cement Ltd.

Cover Page:

1. Mining Plan period may be mentioned in addition to the modified mining plan period.
2. Under Category it is to be mentioned as A (Fully Mechanised)/Opencast/Private/Captive on the cover page.

Location & Accessibility:

3. Para 2(a) & Para 2(b): All the details may be furnished as per the universal format for preparation of Mining plan.
4. Para 2(c): Toposheet No. with latitude and longitude of all corner boundary pillars may be given in a tabular column.

Details of last approved Plan:

5. Para 3.1(b): The rule no may be corrected under the heading –Type of document & rule under which it is prepared.
6. Para 3.3: (i) In respect of review of earlier approved proposals, actual work done as on 31.12.2018 may be given for all applicable parameters.(ii) Reasons for deviation may be given in the remarks column.
7. Para 3.6: All the reasons and justifications for modification under the rules may be enumerated, including obtaining fresh EC and restricting the production as per the earlier approved plan till fresh EC is obtained. The enhancement of production/requirement of limestone from..... Million Tons toMillions tons may be clearly given.
8. Para 1(i): In view of the revised threshold value notification by IBM dated 25.04.2018 and in accordance the Rule 12(4A) (b) of the Mineral Conservation and Development (Amendment) Rules, 2018 suitable proposal for exploration may be given.

PART-A:

9. Para 1(j): Under parameters considered for assessment of reserve/resources, the recovery factor is taken as 92% based on the core recovery .The core recovery and recovery factor during mining operation are different. Since there are no mining losses, the recovery of 100% may be considered for assessment of reserves & resources. The same may be corrected at all places in the document.
10. Para 1(l): (i) In view of the revised threshold value notification by IBM dated 25.04.2018, the threshold value of limestone may be corrected at all places in the document & assessment of reserves & resources done accordingly & cut off value determined. (ii) Depletion of Limestone reserve may be given upto 31.12.2018 and also in table no 1-9.Annexure no.19 may also be updated accordingly.

MINING:

11. Para 2.0 (a): (i) Briefly describe the existing as well as proposed method for excavation with all design parameters indicating on plans /sections. The dimensions of the existing pits may be given in this para. (ii) The top soil, overburden (OB) and limestone mineral may be clearly given as discussed during the field visit. (iii) To mark the exact locations of the pits, OB dumps, top soil storage and all other related parameters of the mining activities, it is desired to give the Easting & Northing coordinates. The Easting & Northing coordinates may be marked all across the mining lease area in all the plates and exact locations may be given at all relevant places in the text part.
12. Para 2.0(b): (i) Table no.2-1 may be deleted. (ii) In Table no.2-2, insitu tentative excavation may be corrected in respect of top soil, OB and stripping ratio. The table as given in manual for appraisal of Mining Plan may be reproduced including pit nos. (iii) In table no.2-3 & 2-4, exact location may be marked and top soil may be written as Overburden with their volume converted into tons at all places in the document. A separate calculation table for top soil may be given. (iv)Year wise, pit wise, top soil, OB and mineral proposed to be excavated with their exact location and their volume converted into tons may be given in a separate tables. The limestone recovery @ 92% may be changed accordingly as per the above comment. (v)The tentative year wise utilization of limestone from the stock may be given in a separate table with opening balance, quantity of mineral proposed to be added, quantity proposed to be utilized from the stock and closing balance.
13. Para 2.0(d): It has been mentioned that the present planning for mine plan period is for the production of 38.4 Lac tones per annum. This may be crosschecked. (ii) The detailed calculation for arriving at the no of drills, excavators and dumpers including availability & utilization may be given.
14. Para2.0 (f): The present land use pattern may be given in this para.
15. Para 3.0(d): In this para, indicate annual rain fall, catchments area, and likely quantity of rain water to flow through the lease area, arrangement for arresting solid wash off from OB dumps & top soil dumps.
16. Para 4.0(a): (i) The details in table no.4-1 may be furnished as per the universal format for preparation of Mining plan. (ii)The nature & quantity of top soil & OB may be discussed in this para, along with manner of disposal of OB, their locations, height, no. of terraces, area covered & precaution envisaged for confinement of the OB dumps in a tabular column.
17. Para 4.0 (b): The proposed dumping ground of OB & top soil within the lease area be proved for presence or absence of mineral and be outside/ Inside the UPL with proper justification may be described.
18. Para 5.0 (a): The acceptable range of CaO% for taking into the scope of blending is 40-52%.There is no mention of the CaO% less than 40% CaO & above threshold value of limestone.The same may be clarified.
19. Para 8.1: (i) Table no.8-1 showing existing land use pattern may be updated as on 31.12.2018.(ii) The distance of the villages from the mining lease area may be given in Table No.8-11.
20. Para 8.6: (i) The Financial assurance table no.8-20 may be corrected for area required for top soil & OB dump site at the start of the plan period as well as for additional requirement during plan period. The existing land use pattern may be corrected at all places in the document. (ii) In the document there is no proposal

of mineral storage but 4.4 Ha is proposed against mineral storage in the plan period .Clarification may be given.

PLATES:

21. Key Plan (Plate No.2): The surrounding mining lease area may be marked and indexed with name.
22. Surface Plan may be given showing all the present surface features along with: (i) The 3 permanent ground control points/reference points should be connected to one B.P. of ML. (ii) Permanent bench mark (iii) Table of GPS coordinates of all corner BPs of MLs as per state DMG sketch.
23. Surface Geological plan: (i) Area covered under G1, G2, G3 & G4 as per UNFC classification may be shown in this plan & indexed properly. A table of the same may be enclosed in the plate.
24. Development & Production Plan (Plate No. 6C, 6D & 6E): (i) The Easting & Northing coordinates forming grids may be marked all across the mining lease area in all the plates. (ii) Year wise Stacking of top soil, Overburden & mineral if stacked may be shown in the Plate. (iii) Part of ML area may be marked as sheet 1 & sheet 2.(iv)Statutory boundary may be marked and indexed.(V) Pit Nos may be shown.
25. Environmental plan (Plate No 7): (i) The environment Plan/Environment Management plan of 1:2000 may be enclosed. (ii) This plan should show the year wise progress of waste dump, garland drain, retaining wall of appropriate size around the dump may be proposed taking the contours into consideration. (iii) Rainwater management may be shown on this plan to arrest escaping from wash off the lease area into surroundings. (iv) Sections of the waste dump may also be shown. (v) The location of the air & water monitoring stations may be shown on this plan.
26. PMCP Plan (Plate No 9): Year-wise afforestation proposed and other environmental protective measures proposed should be reflected in this plate. (ii) The land use pattern may be attached as per comments given in Para 8.6.
27. Reclamation Plan (Plate No.10) All the surface features shown in the plan may be indexed accordingly.
28. Financial area assurance plan (Plate No.11): (i) All item heads as furnished in Financial Assurance table should be shown in the plan (outlines only).(ii) Break up of Land Use Pattern of pit, dump, Infrastructure, Green belt, road etc to be given in different colour codin. (iii) FA table may be annexed in this plate.

Annexure:

1. Few photographs of Mining pit opened, OB stack and Limestone stack may be annexed
2. Latest copy of the valid CFE may be enclosed.
3. Latest environmental monitoring reports may be enclosed.

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