

Inspection report cum scrutiny comment on the mining plan submitted by M/s Penna Cement Industries Limited for Gudipadu Limestone deposit over 40.816 hectare at Gudipadu (V), Yadiki(M), Anantpur District, Andhra Pradesh.

1. In the Introduction chapter clearly submit whether the applied area is for captive purpose or not. If yes it has been noticed that the approved Limestone production of the mines already linked with this plant i.e, Gudipadu-1 and Gidipadu-2 is more than the limestone requirement for this plant capacity. Therefore the clear submission is required if the plant capacity is increased and the said applied area will increase the resource base for it.
2. Also clearly submit the present plant capacity, proposed plant capacity and the present and proposed capacities of the linked mines or the applied mines.
3. Clearly submit whether the executive orders for list of leases held or applied by M/s Penna Limestone Quarries are transferred to the M/s Penna Cement Industries Limited or not.

General

4. In para 1.0(a), the Rule 45 registration number of the company be submitted.
5. The registered address and the works address be given separately. The certificate of incorporation of the company be annexed.
6. The list of board of directors, there address, email and contact numbers be provided in the annexure.
7. In para 1.0© and the cover page, the breakup of the applied lease area is different from the break given in the Annexure-II of Geological report of the State Government. Clarify and correct.
8. Key Plan : The coordinates of the applied area be plotted on the latest copy of WGS 84 toposheet.
9. The lease sketch or cadastral plan (Plate-2) provided in the Geological report be reproduced on the true scale (without shrinking and enlargement).

Part-A

Geology and Exploration

10. The highest rainfall as per meteorological data be submitted.
11. The Regional Geology be submitted as per submissions in the Geological report.
12. In the exploration proposal, the location of all proposed core and DTH boreholes be revised to cover the entire lease under G1 level of exploration as per MEMC- 2015.
13. In the Geological Plan, the out crops near pillar- 1, 44, 45, 46, 47 have not been marked.
14. The thickness of top soil has not been assessed.
15. Though in the document it has been submitted that the geological section has been submitted but the same has not been submitted.
16. Surface Plan: It has been submitted in the document that the bench mark has been transferred from Gudipadu Limestone Mine -1. It may be transferred to some prominent structure in the vicinity of the applied lease area and marked on the plate with it's RL for reference. The GPS coordinates thereof may also be taken thereafter. The structure near bore hole 8 be marked as well in the surface plan. The surface plan needs to be certified by DGMS certified surveyor for correctness accuracy.
17. It has been observed that the annexures have not been linked correctly with the text example annexure-7. The Geological Report as in the tender document should be enclosed.
18. Parameters for reserve estimation have not been submitted correctly as it contains text inconsistent with the document.
19. On page 15, Cost of Production has been submitted, the Government Consideration and others cost need to be elaborated and how they have been assessed be submitted.
20. The reserves and resource estimation has not been submitted correctly. It needs to be corrected. The blocked resource in benches and 7.5m buffer be assessed separately. Then it may be deducted from the total resource assessed in the Geological report provided by the State Government.

21. Proper feasibility report showing capital cost, machinery cost, economic evaluation be enclosed.

Mining

22. In Para 2.0A (a), discuss the proposed bench width, bench slope, pit slope.
23. Discuss the status of magazine requirement, ANFO permission, permission for use of heavy machinery etc from PESO and DGMS. Also discuss the status of environment clearance, Consent to operate and consent to establish etc.
24. The production plan and sections are not matching hence need to be corrected and accordingly the production figures need to be assessed. The proposal for creation of bottom of pit may be given so as to cater to the needs of water requirement through catchment.
25. The top soil generation has not been assessed correctly. In most of the area top soil is about 0.5m. Hence the same be corrected.
26. The proposed bench height has been submitted as 8m but the second bench floor RL has been assessed at 10m below the top bench. Hence be corrected as 8m.
27. The area be demarcated for temporary storage of mineral at the surface.
28. The HEMM permission enclosed does not pertain to this mine and is of 2007 when this deposit was not even auctioned. Hence the necessary clarification in this regard be submitted.
29. On one hand bulk density is taken as 2.4 in Geology chapter and 2.5 in mining chapter, the discrepancy should be corrected.
30. The powder factor need to be taken from the observation of the adjacent mines and recorded in the document.
31. Discuss the adequacy of the common magazine and crusher capacities in light of the approved excavation capacities of other leases connected with it.
32. During the first five year of plan the area under plantation should be atleast 33% of the degraded land . Comment as how much area can be brought under plantation at the end of the conceptual area.
33. In the conceptual plan, plantation on benches may be proposed to increase the green cover.

Mine Drainage:

34. In para 3© the pertinent information be furnished.

Stacking of Mineral reject subgrade, etc

35. Top soil should be use strictly within the lease area and should not be used outside the lease area. Corrections be done accordingly in the document.

Use of Mineral

36. The information regarding specific requirement of end use industry requirement has not been given.

Progressive Mine Closure Plan:

37. The base line data submitted does not pertain to this mine, hence the same need to be submitted indicating the period of data. Also clarify whether it is collected as per MoEF guidelines or not.
38. Progressive Reclamation Plan: the corrections need to be done in light of above comments on mined out area, plantation.
39. The details regarding the land put to use be submitted in para 8.6 only. F.A is not applicable.
40. If due to aforesaid changes, the data in other chapter or plates changes, they may please be done accordingly and ensure the consistency of the data submitted in various chapters of the document.