

**INSPECTION REPORT CUM SCRUTINY COMMENTS ON REVIEW OF MINING PLAN OF GAMALAPADDU LIMESTONE MINE OF M/S ANDHRA CEMENTS LIMITED SPEARD OVER AN AREA OF 170.222 HA IN SURVEY NO-611/18(P) OF GAMALAPADDU VILLAGE, DACHEPALLI MANADAL, GUNTUR DISTRICT OF ANDHRA PRADESH, DATE OF FIELD INSPECTION-2<sup>nd</sup> & 3<sup>rd</sup> AUGUST 2017**

**1. Cover Page**

In the heading section mention Review of Mining Plan including Progressive Mine Closure Plan instead of only Review of mining plan.

**2. Review**

- a) Justification for short fall in exploration needs to be mentioned.
- b) In the production the production figure for the year 2016-17 needs to be corrected.
- c) Year wise afforestation figure has not been shown correctly. Further the location of plantation is shown less as compared to actual.
- d) Compliance status of violation is not up-to-date.

**Part-A**

**3. Geology & Exploration**

- a) Source of climate and rainfall data not furnished.
- b) Bench mark needs to be connected to national grid.
- c) Furnish the bench wise weighted average grade of Limestone.
- d) Furnish the details of sampling and analysis justifying that 10% of the samples have been analysed by NABL /Govt approved laboratory as check sample. NABL accreditation certificate has not been enclosed.
- e) In the justification for Geological axis define the section wise average depth considered for different level of exploration.
- f) Detailed estimation table for reserve/resources has not been provided.
- g) The core bore holes drilled during the plan period has not been projected in the geological sections. The depth has not been mentioned in the longitudinal sections.
- h) Costing and economic evaluation data should be furnished in the feasibility axis.

**4. Mining**

- a) Sump size and volume has not been furnished. Provision of sump for 2017-18(Balance Period), 2019-20, 2020-21 has not been furnished in the text.
- b) Proposal of back filling and reclamation by plantation of safety zone from boundary pillar no-41 to 45 and 53 to 54 needs to be furnished. The same should be demarcated in reclamation plan.
- c) Anticipated life of mine needs to be calculated on reserves figure only.
- d) In the year wise production and development plan the pit layout should be shown clearly by depicting the road layout.
- e) Proposed bench wise production average grade should be furnished.
- f) Costing and economic evaluation data should be furnished in the feasibility report.

**5. Stacking of Mineral Rejects/Sub Grade material and disposal of waste**

Temporary dump proposal for storing top soil and over sized limestone (mineral rejects) and year wise handling of over sized mineral rejects needs to be furnished.

**6. Others**

Manpower assessment wrt helpers of Dozer, Excavator, Drillers, Dumpers needs to be furnished.

**7. Progressive Mine Closure Plan**

- a) Plantation data needs to be submitted correctly in text and plans.
- b) In the base line information the details of analysis reports pertaining to quality of air, water, noise and soil also needs to be furnished for the last season in gist form at first for each item.
- c) In the financial assurance area table the area used for stacking of over sized mineral rejects, area for existing green belt and proposed green belt development area and top soil storage has not been taken into consideration. The net area taken into consideration for financial assurance calculation is on lesser side compared to the earlier approval, necessary correction needs to be made.
- d) Name of core zone and buffer zone locations, coordinates, frequency of collection of environmental sample have not been mentioned in the text.

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