

## JAMUNANAGAR LIMESTONE MINE

MINING PLAN INSPECTION REPORT

INSPECTED BY: SK MOHAPATRA

DATED: 28.6.2017

### TEXT

1. The modification of approved review of mining plan has been prepared and submitted for the period from 2017-18 to 2021-22. As this is the modification of approved review of mining plan, the proposal should be for the remaining period i.e. 2017-18 to 2020-21 and needs to be rectified in both the text and plates.
2. Introduction: There is a proposal of enhancement of production of Limestone from 1500362 ton to 2101525 ton. But copy of obtained environment clearance for production of limestone has not enclosed and status of the proposed environment clearance needs to be furnished in the text.
3. Copy of educational qualification and experience certificate of the qualified persons along with annexure no needs to be furnished (Page No 5).
4. Documentary evidence of approved mining plan/ scheme of mining/review of mining plan along with PMCP need to be annexed and annexure no should be furnished in the text.
5. Details of exploration commitment and achieved should be furnished in tabular form with details of borehole no, meterage and reason for deviation if any.
6. Future exploration; as envisaged in text that, the whole mine area was explored by boreholes and based on the same further exploration has not proposed in the modification of review of mining plan period. However, as per the exploration data, resource/reserve (as per UNFC) and present geological sections depth of the mineralization has not confirmed yet. As per resource/reserve categorized under UNFC, 3.595 MT has been categorized under 122 category. So, future exploration programme needs to be proposed as per MEMC Rule 2015 for up-gradation of 122 category reserve to 111 category.
7. Parameters considered for resource/reserve calculation is not discussed with relevant information. Qualified persons are advised to furnish the parameters and UNFC codes both in text and plates and estimate the resource/reserve accordingly.

  
05/07/2017

8. Mining chapter needs to be recast as furnished as per IBM manual on appraisal of mining plan 2014.
9. Year-wise development: Bench height, width, bench slope angle, name of the section along which development has been proposed, location, direction of advancement, top RL, bottom RL, quantity of ROM, quantity of generation of waste, stripping ratio, etc should be furnished in tabular form under each year-wise development proposal.
10. Summary of production proposal and generation of waste during plan period is to be given after 5<sup>th</sup> year production proposal.
11. Life of the mine needs to be calculated properly.
12. Extent of Mechanization; The exact number of various mining machineries, tools and implements required to achieve the proposed production target needs to be rectify with proper calculation.
13. Detailed calculation of waste generated during plan period, area required for disposal, manner of disposal, no of terraces, height of each terrace with proper calculation, protective measures required to be furnished and should be reflected in respective plan & sections.
14. Employment potential required to be modified as per the revised list of mine machineries proposed.
15. Original Consent letter from the lessee should be annexed.
16. Certificate of competent Surveyor who conducted the field survey of the area should be annexed.
17. Annexure submitted with the mining plan are obscure. Legible copy of annexure to be submitted.
18. Qualified persons are advised to signature with name mentioned below in each and every page of the document along with the annexures.

### PLATES

1. Location of environment monitoring stations within the core and buffer zone needs to be furnished in key plan.
2. Surface plan is not matching with existing field position in the northern part of the lease area, needs to be rectified as per the field position. Further, Section lines need to be removed from surface plan.
3. UPL should be drawn properly and UNFC codes in geological plans and sections.

A handwritten signature in black ink, followed by the date '05/07/2017' written below it.

4. Existing and proposed borehole need to be furnished in geological plans and sections and other respective plans and sections.
5. Gridline and index of plans and sections to be rectified properly.
6. Proposed haul road, approach road to waste dump should be shown in each year-wise development plan & sections and respective plans & sections.
7. Year-wise development should be shown in different & prominent colors in respective plans.
8. Reclamation Plan is to be furnished (as IBM manual on appraisal of mining plan 2014).
9. Financial assurance table should be furnished in the financial assurance plan.

*SJS*  
25/11/2011

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