

**Discrepancies observed in the Modifications in the Approved Mining Plan along with Progressive Mine Closure Plan of Hiwardhara Limestone Mine (Area-27 Hect.) of Shri Prashant Vasantrao Deshmukh, located in Tehsil Wani, Distt. Yavatmal (Maharashtra), submitted under Rule 17(3) of MCR, 2016 inspected by the undersigned on 09.07.2016**

**Field Observations:**

1. There is one nala passing along with the Northern and western part of the lease area. This should be shown in the plates and suitable modifications in reserve estimation should be done showing blocked resources for 50 m on either side of nala. Further, proper care should be taken while working nearby the area.
2. The area is bound by agricultural land on North and west directions. Thus suitable protective measures need to be proposed to avoid degradation of adjoining land due to mining activities in the area and the protective measures need to be shown on the relevant plates.

**Text and Plates:**

1. Lease period as mentioned on page no. 4 is 30 years whereas as per the referred Act, it should be 50 years from the date of grant.
2. Since the year 2004-05, no production has been done in the area and reason has been mentioned as 'due to some unavoidable circumstances beyond the lessee's control'. Specific reasons should be given and compliance of Rule 24 should be furnished.
3. On page no. 12 under 'Drainage Pattern', correct information as per the field observations should be given here and at each place in the document wherever required. Further, on the same page under 'vegetation', it is mentioned that the area is devoid of any vegetation which is contradicting the field conditions as there were shrubs, bushes etc. Thus suitable corrections are required to be done.
4. Based on the pits, exposures and even one drilled borehole, only section C3-C3' is having limestone. All other limestone bodies can be seen only as an outcrop at various places and at various levels due to variation in the elevation within the lease area. Thus reserves/resources need to be re-assessed as per the available information and supported by suitable pre-feasibility or feasibility report as per the Mineral (Evidence of Mineral Content) Rules'2015. Further, as there are intermittent limestone ore bodies at irregular intervals, influence of other pits or adjacent lease area can't be considered for the instant case. The production and other proposals need to be modified accordingly, if required. Furthermore, area should be explored in detail in a time bound manner as per the Mineral (Evidence of Mineral Content) Rules'2015.
5. As per the 'Year-wise Development and Production Sections', intersection of the limestone ore body seems quite less in comparison to the proposals in the document. It should be checked and verified.
6. Calculations for requirement of excavator as given on page no. 38 is incorrect and should be corrected. Further, bulk density should be reviewed and corrected.
7. Extent of mechanization given on page no. 39 is not as per the method of excavation given on page no. 25-26. The corrections should be suitably incorporated in the capital investment in pre-feasibility report.
8. As per the information given on page no. 31, UPL can't be beyond the proved limit. Thus the proposals need to be reviewed and modified according to the proved limit.

9. In the conceptual planning, all the proposals have given as it is for the proposed plan period that is 2016-17 to 2018-19. Thus conceptual planning needs to be done as per the guidelines in this regard.
10. Environmental monitoring of various environmental parameters need to be discussed alongwith the locations of monitoring stations. This should also be shown on relevant plates.
11. Socio-economic impact of mining on the local people pertaining to their livelihood should be discussed and engagement of local people should be given approximately.
12. Chemical Analysis from NABL accredited lab needs to be enclosed.
13. Details of existing Financial Assurance in compliance to Rule 23F of the MCDR'88 needs to be given.
14. Khasra map authenticated by state govt. in original needs to be submitted.
15. Lease area should be drawn upto the scale in the Key Plan.
16. **Environment Plan:** Revised and clear plan needs to be submitted as per the guidelines. In the submitted plan, surface features are not matching with what shown in the Surface Plan.
17. **Lease Plan:** As per CCOM circular 2/2010 a geo-reference cadastral map surveyed through DGPS, showing disposition of lease area certified by the competent authority of state government; has not been submitted. The lease plan should indicate all the details of Khasra on appropriate cadastral map indicating the extent of area of each Khasra that is covered under mining lease.
18. Annexures need to be enclosed as per IBM Manual for Appraisal of Mining Plan.

(Ashish Mishra)  
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