

**SCRUTINY COMMENTS ON MODIFICATION AND REVIEW OF MINING PLAN OF KALBURGI CEMENT LIMESTONE MINE OF M/S KALBURGI CEMENT PRIVATE LIMITED, SUBMITTED FOR APPROVAL, UNDER RULE 17(3) OF MCR, 2016 IN, ML NO. 2612, OVER AN EXTENT OF 446.77 HA (AS PER LEASE DEED) IN CHATRASALA VILLAGE, CHINCHOLI TALUK, KALABURAGI DISTRICT, KARNATAKA STATE, PRIVATE/ CAT-A(FM-FULLY MECHANISED /OPENCAST/NON-FOREST/CAPTIVE.**

**COVER PAGE**

1. On the cover page it is required to mention as Modification & Review of Mining Plan, submitted for approval under rule 17(3) of MCR, 2016. The registration number allocated by IBM under MCDR and the mine code to be indicated. The modification period should be given as 2017-18 to 2018-19, and the actual five years period is from 2014-15 to 2018-19 respectively. The RQP & the reference number indicated should be replaced with qualified person only.

**INTRODUCTION**

2. The reasons for modification of document sought under rule 10(1) of MCDR, 1988 is not correct, this should be changed to rule 17(3) of MCR, 2016. The change of name of the company from M/s Sagar Cements to M/s Vicatsagar Cement Pvt. Ltd., and further to M/s Kalburgi Cement private limited, the proof of the same may be enclosed in the annexure, obtained from the DMG Karnataka state for reference. (ii). It is also found that, at places scheme of mining/ modified scheme of mining is indicated instead of modification and review of mining plan. In the light of the above remarks, the text and the plates may be attended and corrected suitably. The MM(DR) Act, 2015 should be replaced as MM(DR) Amendment Act 2015.

3. Para 1(f), the recognised person should be replaced with qualified person and the rule quoted 22c of MCR, 1960 should be replaced with 15 of MCR, 2016. The RQP reference number indicated with date and the validity should be deleted.

4. Para 3.3.1, Review of Exploration may be given in Tabular format indicating Proposed Vis-à-vis-achieved. Review in respect of Exploration, Development, Production, Afforestation etc., should be given for complete year 2016-17.

5. Para 3.4, Brief of violations pointed out by IBM and its Compliance may be described.

6. Para 3.6, should be attended and corrected in line with the remarks in the above remarks on the rules etc.

**PART-A**

7. Para 1(e) (IV): The year-wise expenditure incurred during the scheme period may be furnished in a separate table. The year-wise summary of total boreholes may be furnished.

8. Para 1(k): How the enhancement of reserves from 203.53 million tonnes to 216.02 million tonnes of limestone arrived may be justified with appropriate data.

9. Para 1(l): The blocked reserves adjacent to the proved mineral reserve (111) may be shown under 211 codes i.e., Feasibility Mineral Resources in the Geological Plan and sections and also it should be given in Tables-06 & 07 of the text.

10. The table No.3, the reserves/ resources indicated as on 1/3/2017 may be brought out as on 31/3/2017, similarly other table's no.7.

11. Para 2A (a), the man power employment potential information indicated in this para need to be brought out in appropriate chapter and not in this para. Besides, the mining machineries deployed in the mines are also need to be furnished in the appropriate paras, instead of this para. Further, as per the para heading it is expected to brief on existing and the proposed method of mining operations in the ML area. Further, the slope of faces, direction of advancement, approach to the faces & specification of roads, etc to be indicated. Also, the existing dumps spread parameters, height, slope protective works etc., to be indicated. In the light of the above remarks, the text and the plates may be attended, wherever applicable.

12. Para 2(b), need to be attended in line with the comments offered in para2A (a). Besides, it is written as ensuing modified scheme of mining, which should be corrected as ensuing modification & review of Mining plan. Further, the year wise over burden given without table number and the unit is also indicated not given for the total quantity. The insitu excavation details furnished in a table may be attended by indicating the pit number, unit of the quantity of excavation in tonnes/ cubic meter.

13. Table-8: The development & the production proposals drawn for the year 2016-17 to 2018-19, need to be restricted to 2017-18 to 2018-19 only as sought in the modification and the 2016-17 may be given in review chapters up to 31/3/2017. Besides, in the text para it is given only three benches are used for production, but in the table-no.8, five benches proposals were proposed for production of limestone. In the light of the above remarks, 2016-17 proposals may be deleted and given in review chapter. The text and the plates may also be modified accordingly. Para 2(d), need to be attended in line with the above remarks.

14. The numbering of tables given at pages 25, 26 may be corrected. The slope of the bench is given as 70°, but during the field visit, it is found to be more than 80° to 90°. This should be checked and corrected.

15. Page-34, The virgin land area up to expiry of ML, i.e up to 8/11/2059, is indicated as 135.77 ha, This needs to be justified.

16. Para 8.6, under financial assurance that the details given as on 1/8/2015 should be replaced with the latest datas as on 31/3/2017. The RQP number given need to be removed and be indicated as QP.

### **PLATES**

17. In the plates, RQP number is to be replaced with 'Qualified Person'. This may be corrected in all places of the document, both in the plates and the text.

18. In the Index of surface plan, the Dark Gray Limestone given needs to be corrected with correct spelling.

19. Key Plan (Plate No. I): The title of the document should be written as Modification & the review of Mining Plan. The proposed period should be given as 2017-18 to 2018-19, instead of 2016-17 onwards. The approach road to the ML area needs to be indicated with approximate distance from a

known place for reference. The RQP number indicated below the name of the QP should be removed, replacing qualified person. In the light of the above remarks, the other plates may be attended, including the text part, wherever applicable.

20. Surface Plan (Plate No. III): The pit numbers not indicated on the plan. The approach road to the working faces of the pits, and the black cotton soil bund, stacks, crushers are not indicated. The three ground control points should be selected away from the ML boundary and not inside the boundary. The names of the three GCP should be given, instead of blank.

21. Geological Plan & section (Plate No.IV): All the drilled boreholes may be shown in the red colour and the proposed may be shown in other than red colour in the plates.Ultimate Pit Limit to be marked in geological plan/ ultimate pit slope may be drawn in Geological section appropriately.In the light of the above remarks, the plates and the text may be attended suitably.

22.Geological section (Plate No. IVA): The UPL marked in the index and the section should be corrected as ultimate pit slopes. The proposed bore holes should be indicated in other than red color. From the geological sections, it is observed that, some of the bore holes drilled were not touched the bottom of the sections drawn, reveals some of the deposits were shown as if proved through bore holes is not appropriate and correct.

23. Working Slice Plan at 444mRL B.C. Soil ( Plate No.VC): On the plate it is mentioned as 2016-17 to 2018-19, but this should be specified with the year of workings and the slice drawn for BC soil & the limestone benches without indicating other levels for clarity. Similarly, the slice plans may be attended and corrected, wherever applicable.

24. Proposed Exploration Plan (Plate No. IVH): The proposed boreholes should be complied with the remarks given above, and the geological sections should be drawn as per the depth drilled in the bore holes or as per the excavation made in the mine. Additional depth of the ore body for assumption is not appropriate.

25. Production & development Plan for the Current year (2016-17 to 2018-19-VC): The proposals drawn for the year 2016-17 for the five benches workings need to be updated in the existing plan and sections and only 2017-18 & 2018-19 proposals to be shown by showing 2017-18 and 2018-19 separately for each year. In each plate the workings should be brought out at the end of 31/3/2018 & 2019 respectively.

26.Conceptual Plan & Section (Plate No. VIII):Considering the present situation of workings, and at the end of the lease period or at the conceptual stage, what would be the position of workings, dumping, stacking, infrastructure, afforestation, etc., need to be brought out appropriately. The section X-X' reveals without any reclamation and rehabilitations, whereas the sections Z-Z' reveals the water reservoir in the mined out area. Whatever the other activities that are under progress as per the PMCP chapter also should be considered in total, while updating the plan and sections.

#### **ANNEXURES:**

(i). List of Annexures must be given with number of pages in each annexure for reference by adding additional column at the end.

(ii). Copy of qualification and experience of qualified person as per the rule 15 of MCR, 2016 may also be given.

- (iii). A copy of letter from DMG regarding the change of name of the lessee in the lease deed may be enclosed. Annexure-VIII pertains to the change of name of the company from VicatSagar cement private limited to Kalburgi cement private limited, whether any authentic document obtained from the state DMG in this connection may be submitted.
- (iv). Annexure –IX a: The list of Directors as on date is not clear for understanding, this may be corrected.
- (v). The resolution of Board of Directors should be signed by all the present Directors and the same may be enclosed.
- (vi). All the core boxes of core boreholes may be properly preserved in Core Laboratory and a photograph of the same may be enclosed. The core boreholes should be properly plugged and cemented and a photograph of the same may be enclosed.
- (vii). A copy of the letter of deemed extension period of mining lease from DMG as per recent amendments may be enclosed.
- (viii). Annexure-XIV: Feasibility Report may be signed by the qualified person/the lessee. Besides, in the cost of operation, instead of DMF, DMET is given which should be corrected. The reserves updated should be brought out up to 31/3/2017 in the entire document, wherever applicable.
- (ix). Few photographs depicting the mine workings, both development and the production working faces, stacks, waste dumps, infrastructures, water pond/ reservoirs and the top soil dumps, etc., along the boundary of the ML area.
- (x). The copy of the valid bank guarantee as per the latest amendments MCDR, 2017 may be attached.