

**Scrutiny Comments on 'Second Modification to the approved Mining Plan' in respect of Itagi Limestone Mine of M/s Orient Cement Ltd., ML No. 2681, covering 519.0 Ha. of area in Itagi and Mogla Villages, Chittapur Taluk of Kalaburagi District, Karnataka State.**

**COVER PAGE**

1. Name of the document may be corrected as 'second modification to the approved Mining Plan'
2. Proposal period of approved 'Modified Mining Plan' may be furnished in the cover page.
3. Address of the lessee may be removed from the cover page.

**DETAILS OF APPROVED MINING PLAN**

4. Para 3.3: In review of exploration, excavation, lechrnation etc. all review positions may be given up to 30.11.2017 for F.Y. 2017-18.

**PART-A**

5. Para 1.0 (e): Areas (in Ha.) covered under different stages of exploration (G1 to G3) may be furnished in this para.
6. Para 1.0 (i): Proposal of G1 stage of exploration should be given for remaining mineralized areas which are already explored under G2 stage. Entire potential mineralised area should be explored by detailed exploration (G1 stage) in accordance with Rule 12(3) of MCDR, 2017. In view of that, future exploration proposal may be revised accordingly.
7. Para 1.0 (U): In economic evaluation of feasibility study report, Capital cost of the mine is furnished as nil, please clarify (ref. page 386).
8. Para 1.0 (k): Reserve and resource of the deposit is found to be estimated as per 'level wise slice plan' method, in addition to that, same estimation should be carried out 'cross sectional area' method duly mentioning average sectional influence. During estimation of reserve and resource ultimate pit slope is considered 58° which is too steep in this case; High ultimate pit slope should be substantiated by slope stability study carried out by all expert agency.
9. Para 1.0 (l): Reserve of the deposit should be updated as on 30.11.2017 by depletion concurrent mine production (ROM).
10. Para 2.0 (b): Actual stripping ratio maintained by the Lessee since F.Y. 2015-16 to 2017-18 (till 31.10.2017) is 1: 0.28 against proposal of 1: 0.09. As stipulated to understand that due to irregular topography at the contact of top soil and underlying limestone actual waste generation has been more than expected. Hence, based on previous mining experience and assembling borehole logs data proposed waste generation and dumping proposals are required to be re-assessed from F.Y. 2018-19 to 2019-20.
11. Para 2.0 (d): During site inspection it is observed that a ROM stack has been made near the existing crusher which is not proposed in the previous approved document. All year-wise production and development plans, locations of proposed ROM stacks should be delineated. Such ROM stacks (or temporary stacks) should be proposed away from the mine haul road to prevent accidental fall of material.
12. Para 4.0 (a): Stacking provisions of OB siliceous/flaggy limestone near crusher (WD-1) should be reviewed since presently that area is occupied by ROM stack.
13. Para 4.0 (c): Table 4.2 may be corrected as OBS-2 is proposed for top soil dumping during F.Y. 2018-19 and 2019-20. Sequence of proposed environment protective measures to escape materials



GOVERNMENT OF INDIA  
MINISTRY OF MINES  
INDIAN BUREAU OF MINES  
OFFICE OF THE REGIONAL CONTROLLER OF MINES

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Letter No.279/356/92/ BNG

Dated: 26.12.2017

No.279/1060/2012/ BNG

To:  
M/s-Orient Cement Limited,  
5-9-22/57/D  
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arunachalam.k@ orientcement.com

Sub: Scrutiny comments on the examination of draft Modification of Mining Plan of Itagi Limestone Mines of M/s- Orient Cement Limited over an area of 519.00 ha in Itagi & Mogla villages, Chittapur Taluk, Gulbarga district, Karnataka submitted for approval under Rule 17(3) of MCR, 2016.

Ref: Your letter no. Nil dated 06.12.2017 submitting therewith 2 copies of draft Modification of Mining Plan Sir,

The subject of Review & updation of mining plan has been examined in this office in light of the site inspection carried out on 14.12.2017 by Sri K. Chatterjee, Junior Mining Geologist of this office. Based on the examination of the document and field observations, scrutiny comments are given in Annexure enclosed.

2. You are therefore, advised to rectify the deficiency in the Modification of Mining Plan in the light of the scrutiny comments and re-submit the modified document in 3 bound copies by post (hard copy) and as well as by e mail (soft copy) of the Modification of Mining Plan along with a soft copy in 2 CD's (Text in pdf and plates in AUTOCAD) to this office within 15 (Fifteen) days from the date of issue of this letter. The Financial assurance of requisite amount should also be submitted as per the FA table for the ensuing period of the Modification of Mining Plan along with the document.

3. It is also to state that if deficiencies are not attended satisfactorily and if it is not received within the stipulated time period, the Modification of Mining Plan will be disapproved, without assigning any reason thereof and the same shall have to be submitted afresh.

Encl: Annexure

Your's faithful ,

(G.C. e a) 9

Regional Controller of Mines  
Indian Bureau of Mines

Copy to:

1. The Controller of Mines (SZ), IBM, Bangalore, for kind information.
2. Sh. Sandeep Taneja, Qualified Person, HOLTEC Consulting Private Ltd., HOLTEC Centre, A Block, Sushant Lok, Gurugaoon-122001, Haryana. sta@holtecQet.com For information and necessary action.

Regional Controller of Mines  
Indian Bureau of Mines

form top soil stacks (OBS- 1 and OBS-2) and from waste dump (WD- 1) should be mentioned in this para.

## **PART-B**

### **14. Para 10, Plates:**

- a) Surface Plan (Plate no. 04a): ROM stack nearby crusher and weigh bridge is not updated in the plan.
- b) Geological Plan (Plate no. 05a, 05b): Potential mineralized areas explored under G3 stage of exploration should be proposed under G1 stage in future exploration proposal.
- c) Mine Production and Development Plans (Plate nos. 6a to 6c): Year-wise development of ROM stacks should be drawn in all plates. Proposed year-wise afforestation and environment protective measures along the periphery of the dumps should be shown. Connecting haul road from line pit (working faces) to proposed dumping areas and to proposed stacking areas should be demarcated.
- d) Environmental Plan (Plate no. 10): One soil monitoring station should be included in OBS-2 area during the modified milling plan period.

### **15. Para 11, Annexure:** Following items are required to be annexed with the document :

- a) Cross sectional area wise reserve and resources calculation.
- b) Corrected feasibility study report.
- c) Corrected production and development calculation (for OB waste).

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K. Chandra 70  
20/12/17