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भारतीय खान ब्यूरो / INDIAN BUREAU OF MINES

गुवाहाटी क्षेत्रीय कार्यालय / GUWAHATI REGIONAL OFFICE

क्षेत्रीय खान नियंत्रक का कार्यालय / OFFICE OF THE REGIONAL CONTROLLER OF MINES

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No.IBM/GHY/ASM/NCH/LST/MS-48

Date: 01.06.2018

To,  
Sri R. A. Krishnakumar (Nominated Owner),  
M/s. Vinay Cements Limited,  
At-16 Kilo, Po-Jamuna Nagar,  
Ps- Umrangshu, Dist- Dima Hasao,  
Assam-788931  
E-mail: [ra.krishnakumar@dalmiacement.com](mailto:ra.krishnakumar@dalmiacement.com)

Sub: Scrutiny Comments on the submitted draft for Modification of Review of Mining Plan along with Progressive Mine Closure Plan in respect of Jamunanagar Limestone Mines over an area of 35 hectares in Jamunanagar village, Umrangshu Taluka, Dima Hasao District of Assam State, submitted under Rule 17 (3) of MCR 2016.

Ref: Your letter no. VCL/MINES/MP-01/2018-0501, dt. 15.05.2018

Sir,

Please refer to your letter on the subject cited above, the submitted draft for Modification of Review of Mining Plan along with Progressive Mine Closure Plan in respect of Jamunanagar Limestone Mines over an area of 35 hectares in Jamunanagar village, Umrangshu Taluka, Dima Hasao District of Assam State, submitted under Rule 17 (3) of MCR 2016, has been examined in this office on the basis of the site inspection done on 25<sup>th</sup> May 2018 by Sri S. K. Mohapatra, Senior Mining Geologist.

The scrutiny comments made on the submitted draft for Modification of Review of Mining Plan along with Progressive Mine Closure Plan, are enclosed herewith as **Annexure-I**. In this regard you are advised to rectify the deficiencies and submit **final three hard bound copies of text & plans** along with the softcopy in **two DVD's** with requisite Bank Guarantee as financial assurance for the plan period as per Rule 27 of MCDR 2017, to this office within **15 (Fifteen)** days from the date of issue of this letter for further necessary action. Invariably the softcopy of the text & plans shall also to be sent to our e-mail id: [ro.guwahati@ibm.gov.in](mailto:ro.guwahati@ibm.gov.in). The text shall be in MS word format and plans in Auto CAD and JPG format.

The para- wise clarification indicating the manner in which the deficiencies have been attended should invariably be given while submitting the Modification of Review of Mining Plan. No further extension of time in this regard will be entertained and the document will be considered for rejection if not submitted within the above due date and deficiencies not attended properly.

Encl: As above.

Yours faithfully,

(P. K. Bhattacharjee)

Regional Controller of Mines



**Scrutiny Comments on Draft Modification of Review Mining Plan with Progressive Mine Closure Plan of Jamunanagar Limestone Mines over an area of 35.00 Ha. in village Jamunanagar, Taluka-Umrangshu, Dist- Dima Hasao (N.C. Hills), Assam of M/s. Vinay Cement Limited, prepared by Sri Abhijeet Adhikari & Sri S. S. Behara (Qualified Persons) under Rule 17 (3) of MCR 2016 & 23 of MCDR 2017.**

**Inspected By: S. K. Mohapatra (SMG)**

**Date of Inspection:- 25.05.2018**

**TEXT**

- 1.0 In the introduction chapter a brief history of the mining lease to be given depicting all the statutory clearances/ court cases etc. with documentary evidence right from the grant of the mining lease to till date in chronological order.
- 2.0 Under 2.8; copy of professional working experience of the qualified person needs to be furnished.
- 3.0 The details of approved mining plan and review of mining plan needs to be furnished in chronological order & in a tabular form with documentary evidences. Further the reason for modification needs to explained in detail.
- 4.0 Reason for modification under 5.21 may be given in detail.
- 5.0 In page 12; under physiography (6.1.1), it has mentioned that the lowest altitude is 272mRL within the Ml area, which is not matching with the mRL shown in surface plan and respective plans.
- 6.0 Resource/reserve calculation in the draft document needs to be revised as per UNFC norms. In the present calculation, there is a existing borehole (BH-07) present in the location of existing Dump-2 which was closed at 12m depth in cement grade limestone with 50.51% of CaO. The area has been calculated under blocked resource category, which can be under extractable reserves. The same may be clarified.
- 7.0 In page 15; under 6.5.3 table, quantity of resource has been furnished under two different grades i.e. cement grade & bendable grade. The same needs to be furnished on Cao% basis and accordingly necessary rectification to be done in the text, wherever it has been reflected.
- 8.0 Back up calculation along with grade for blocked resources under various modifying factors needs to be provided either in feasibility study report or in text.
- 9.0 In future exploration programme, location of PBH-01 may be changed to a suitable location along section AA', because existing borehole (BH-07) in that location was closed in ore zone & the extension of the ore body was not defined. Further one more column may be added in future exploration table on location of the proposed borehole.
- 10.0 The ultimate pit limit has been proposed in the draft document that, height and width of the benches will be 15mtr and 5 mtr respectively. Necessary permission from the competent authority needs to be taken before attaining the desired pit configurations..
- 11.0 The calculation sheet to arrive at the year-wise production quantities to be enclosed at Annexure.
- 12.0 A table indicating the boundary extents of the ultimate pit needs to be furnished.
- 13.0 Location of proposed waste dump for review of plan period and conceptual waste dump has been shown in mineralized zone, which needs to be rectified. Waste disposal at conceptual period needs to be furnished with proper calculation of quantity of waste to be generated, area required, manner of disposal, no of terraces, height of

each terrace, protective measures etc. and its utilization if any and the same should be reflected in respective plan & sections.

- 14.0 The details of construction of check dams/ settling tanks etc shall be given along with their design in the chapter on mine drainage. The mode of disposal of surface run-off water shall be discussed indicating the schematic route showing its discharge with proposed provisions of check dams/ settling tanks/ water quality monitoring stations etc. The proposal shall also to be shown in the reclamation plan.
- 15.0 Predominant wind direction furnished in text and shown in plan is not matching with each other, which needs to be rectified.
- 16.0 Proposals given for reclamation and rehabilitation have been shown in safety zone area. The same needs to be clarified.
- 17.0 A risk assessment report along-with disaster management plan of the mining unit shall be enclosed duly approved by the management of the mine/ competent authority.
- 18.0 An emergency preparedness plan duly approved by the management of the mine/ competent authority to be enclosed.

#### **ANNEXURE:**

- 1.0 An undertaking from the nominated owner on commencement of mining operations only after getting the permission from all the concerned statutory bodies as well as for carrying out the proposed time bound exploration program.
- 2.0 Copy of the environment clearance letter.
- 3.0 Copy of the consent to operate from the state pollution control board.
- 4.0 Copy of the magazine licence.
- 5.0 NABL test reports on quality of limestone.
- 6.0 Colour photographs of all lease boundary pillars showing the co-ordinates.
- 7.0 Copy of the surveyor's certificate to be enclosed.

#### **PLATES:**

##### **1.0 Key plan:**

- 1.1 Key plan shall be prepared strictly as per the extant provisions specified under rule 32(5)(a) of MCDR 2017.
- 1.2 Monitoring stations are shown in legend but not in map.

##### **2.0 Authenticated lease plan duly certified by the state government to be enclosed.**

##### **3.0 Surface plan:**

- 3.1 The surface plan shall also to be signed by the manager of the mine.
- 3.2 Section lines shown in surface plan needs to be removed.
- 3.3 Spot levels of the left out portion of the existing benches need to be shown.

##### **4.0 Geological plan/ sections:**

- 4.1 The litho units as shown in the geological plan are much prominent than the existing benches. A proper colour combination to be used.
- 4.2 UPL shall be shown in the geological plan/ section.
- 4.3 UNFC shall be re-visited based on the existing exploration data.

##### **5.0 Mine development/ production plan & sections/ dump plans & sections/ conceptual plan/ sections:**

- 5.1 Proposal along section EE' for proposed excavation for the year 2019-20 & conceptual plan/ section needs to be rectified.

##### **6.0 Environment plan:**

- 6.1 Environment plan shall be prepared strictly as per the extant provisions specified under rule 32(5) (b) of MCDR 2017.

