

भारत सरकार /GOVERNMENT OF INDIA

खान मंत्रालय /MINISTRY OF MINES

भारतीय खान ब्यूरो /INDIAN BUREAU OF MINES

गुवाहाटी क्षेत्रीय कार्यालय/GUWAHATI REGIONAL OFFICE

क्षेत्रीय खान नियंत्रक का कार्यालयाOFFICE OF THE REGIONAL CONTROLLER OF MINES

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Date: 18/04/2019

No.IBM/GHY/MEG/EJNH/LST/MP-90

To,

Sri Devender Bansal, (Power of Attorney Holder) M/s. Star Cement Limited, Village- Lumshong,

Po. - Khliehriat, Dist- East Jaintia Hills,

Meghalaya-793210, E-mail: dbansal@starcement.co.in

Sub.: Scrutiny Comments on the submitted draft Mining Plan along with Progressive Mine Closure Plan in respect of Brishyrnot Limestone Deposit-II over an area of 4.714 Hectares in Brishyrnot Village, Taluka-Khliehriat, East Jaintia Hills district of Meghalaya State, of M/s. Star Cement Meghalaya Limited, submitted under Rule 16 (1) of MCR 2016.

Ref.: Your letter no. SCML/IBM/2018-19, dtd. 12.03.2019.

Sir,

Please refer to your letter on the subject cited above, the submitted draft Mining Plan along with Progressive Mine Closure Plan in respect of Brishyrnot Limestone Deposit-II over an area of 4.714 Hectares in Brishyrnot Village, Taluka-Khliehriat, East Jaintia Hills district of Meghalaya State, of M/s. Star Cement Meghalaya Limited, submitted under Rule 16 (1) of MCR 2016, has been examined in this office on the basis of the site inspection done on 11th April 2019 by Sri S. K. Mohapatra, Senior Mining Geologist.

The scrutiny comments made on the submitted draft 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 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. 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 Mining Plan along with Progressive Mine Closure 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,

45/18/11.9

(P. K. Bhattacharjee) Regional Controller of Mines

Copy to: (1) The Controller of Mines (EZ), Indian Bureau of Mines, Kolkata – for kind information. (2) Sri Patel Suraj Singh & Sri Hijam Rakesh Singh Qualified Persons email-patelsinght@starcement.co.in, hijamsingh@starcement.co.in,

(P. K. Bhattacharjee) Regional Controller of Mines Scrutiny Comments on Draft Mining Plan with Progressive Mine Closure Plan of Brishyrnot Limestone Deposit-II over an area of 4.714 Ha. in village Brishyrnot, Taluka-Khliehriat, Dist- East Jaintai Hills, Meghalaya of M/s. Star Cement Meghalaya Limited, prepared by Sri Patel Suraj Singh & Hijam Rakesh Singh (Qualified Persons) under Rule 16 of MCR 2016 & 23 of MCDR 2017.

Inspected By: S. K. Mohapatra (SMG)

Date of Inspection: - 11.04.2018

TEXT

- 1.0 On the cover page, it has been furnished that, Mining Plan is being submitted under Rule 13 of MCR 2016, which needs to be rectified as Rule 16 of MCR 2016 and the same also needs to be rectified in cover page, text, plates etc. & wherever it has been mentioned.
- 2.0 In the introduction chapter a brief history of the applied mining lease area to be given depicting all instances with documentary evidence from the grant of the prospecting license to as on date in chronological order with synopsis of the company. The date of application of mining lease needs to be verified and rectified accordingly.
- 3.0 Under 2.8; copy of professional experience of the qualified person needs to be furnished.
- 4.0 The applied area is about 1.46 km from Narpuh Wildlife Sanctuary, so an undertaking need to be enclosed that "Necessary permission from concerned authorities will be taken before starting of mining operation".
- 5.0 Under 6.1.4; table containing details of rainfall data needs to be reviewed and rectified accordingly and tree density of the applied mining lease area needs to be furnished.
- 6.0 Under 6.3; Name of prospecting/ exploration agency furnished in the document needs to be reviewed and rectified accordingly.
- 7.0 Under 6.4.3; it has been furnished that, 236 samples has been analysed, where as only six sample analysis report has been furnished in annexure. Further analysis report of 10% samples from NABL/Govt accredited laboratory needs to be furnished.
- As furnished in the draft document, total mineable reserves of the entire lease are is about 1.328 million tones and the entire area is covered under G1 category. The proposed production during the plan period is about 0.981 million tones and the highest production at fifth year has been proposed about 216553 tons. This intent that the mineable reserves form the entire mining lease will be exhausted within another 1.5 yrs after the proposed plan period. In the above circumstances, from mineral conservation point of view the production proposal may be revised in such manner that the life of the mine can be ensured for a longer period. The year-wise development proposal needs to be proposed in a scientific and systematic manner, i.e. in a gradual increasing manner.
- 9.0 Requirement of explosives may be re-estimated with the fresh year-wise production proposal.
- 10.0 Requirement of machinery may be re-estimated with the fresh year-wise production proposal.
- 11.0 Approach haul road for transporting of minerals needs to be shown in the development plan and sections.
- 12.0 Details indicating the boundary extents of the ultimate pit limit, slope angle, bottom pit limit needs to be furnished.
- 13.0 Details furnished under 9.0 (b) needs to be reviewed and rectified.
- 14.0 Ground water level of the locality is required to be furnished under mine drainage chapter. 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 The employment potential table needs to be recast as per the fresh machinery calculation and should be furnish under categories of high skilled, skilled, semi-skilled & un-skilled.
- 16.0 Borehole log sheets need to be signed by the geologist who had conducted logging and OAOC.
- 17.0 Cost benefit analysis and viability of the project need to be furnished in the feasibility report.

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.

2.0 Surface plan:

- 2.1 Contours beyond the proposed lease boundary needs to be removed.
- 2.2 Dip and strike as a geological feature, needs to be removed from the surface plan.

3.0 Geological plan/ sections:

- 3.1 Litho contact between shale and limestone needs to be rectified near pillar no 17/29 as discussed during the field inspection.
- 3.2 Litho contacts needs to be rectified in the geological sections as discussed during the field inspection.

4.0 Mine development/ production plan & sections/ dump plans & sections/ conceptual plan/ sections:

- 4.1 Development plans and sections needs to be prepared as per the fresh proposal in view of the scientific & systematic development of the mine.
- 4.2 Proposed haul road needs to be shown in the year wise development plans.
- 4.3 Conceptual plan and sections needs to be prepared i.r.o the geological plan & sections and based on the UPL.

5.0 Environment plan:

- 5.1 Environment plan shall be prepared strictly as per the extant provisions specified under rule 32(5) (b) of MCDR 2017.
- 5.2 Contours outside of 500 mtr. radius needs to be removed.
- 5.3 All existing surface features to be shown in the environment plan.
- 5.4 Index for proposed features needs to be removed.

6.0 Reclamation plan/ sections:

- 6.1 The proposed plantation shall be indicated in a tabular form indicating the proposed year of carrying out the plantation/ area to be covered (ha.)/ no. of saplings to be planted/ species of saplings to be planted along with location of the activity.
- 6.2 The water management plan showing the position of garland drains/ retaining walls/ check dams/ settling pits should be clearly indicated in this plan.

7.0 Progressive mine closure plan:

7.1 Financial assurance table needs to be inserted in the plan.