



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 कार्यालय / OFFICE OF THE REGIONAL CONTROLLER OF MINES

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No.IBM/GHY/MEG/JNH/LST/MS-73

Date: 14.6.2019

The Nominated Owner

Luhmsnong Limestone Mine, M/s Meghalaya Mines & Mineals Ltd.

PO – Luhmsnong, Jaintia Hills Dist., Meghalaya – 793210

Email mmml2001@gmail.com

Sub: Scrutiny Comments on the submitted draft for modifications in the Approved Review of Mining Plan along with Progressive Mine Closure Plan in respect of Luhmsnong limestone mine over an area of 4.2 hectares in East Jaintia Hills District of Meghal State, submitted under Rule 17 (3) of MCR 2016.

Ref: Your letter dt. 10/5/2019

Sir,

Please refer to your letter on the subject cited above, the submitted draft for modifications in the Approved Review of Mining Plan along with Progressive Mine Closure Plan in respect of Luhmsnong limestone mine over an area of 4.2 hectares in East Jaintia Hills District of Meghal State, submitted under Rule 17 (3) of MCR 2016, has been examined in this office on the basis of site inspection done on 5/6/2019 by Sri S. K. Mohapatra, Senior Mining Geologist.

The scrutiny comments made on the submitted draft for modifications in the Approved 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. 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 modifications in the Approved 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.

4P Yours faithfully,
14/6/19

(P. K. Bhattacharjee)

Regional Controller of Mines

Copy to: (1) The Controller of Mines (EZ), IBM – for kind information.

(2) QP concerned (Shri. PK Sen), e-mail: pkseanranchi@gmail.com

4P
14/6/19
(P. K. Bhattacharjee)

Regional Controller of Mines

Scrutiny Comments on Draft Modification in Approved Review of Mining Plan with Progressive Mine Closure Plan of Lumshnong Limestone Mine over an area of 4.20 Ha. in village Lumshnong, Narpuh taluka, Dist- East Jaintai Hills, Meghalaya of M/s. Meghalaya Minerals & Mines Limited, prepared by Sri P. K. Sen (Qualified Person) & submitted under Rule 17(3) of MCR 2016 & 23 of MCDR 2017.

Inspected By: S. K. Mohapatra (SMG)

Date of Inspection: - 05.06.2019

TEXT

- 1.0 Mining plan needs to be prepared & submitted as per the new and updated prescribed format given in "IBM manual for appraisal of Mining Plan – 2017.
- 2.0 In the introduction chapter a brief history of the proposed mining lease to be given depicting all the statutory clearances/ court cases (if any) etc. with documentary evidence as on date in chronological order and in a tabular format.
- 3.0 Reason for modification of the approved review of mining plan needs to be reviewed and recast with proper justification.
- 4.0 In page no. 11, it has been furnished that, copy of the approval letter of second scheme of mining approved on dated 26.08.2015 is enclosed as Annexure-II. But the same has not been annexed.
- 5.0 Some of the geo co-ordinates of boundary pillars are in abeyance with the submitted lease map. Therefore the lease map duly authenticated by the State Govt. may be submitted showing the exact geo co-ordinates of the boundary pillars.
- 6.0 An undertaking to be enclosed by the lessee that all boundary pillars have been erected as per the exact geo co-ordinates as per the above mentioned authenticated lease map of the State Govt.
- 7.0 Details of all the previous exploration carried out (Bore hole no, location, depth, top and bottom RL) needs to be furnished in the text and shown in plans/ section. The borehole logs to be enclosed as annexure.
- 8.0 As per the details furnished in text, exploration has been carried out up-to 468.97 mRL but presence of limestone has been shown below that limit and accounted for estimation of reserve /resource. The same needs to be rectified.
- 9.0 The section wise and level wise calculation sheet to arrive at the resource and reserve quantities to be furnished either in text or enclosed at Annexure. Assessment of the resources/ reserves furnished in the draft document needs to be carried out as per the extant provision given in 'Mineral (Evidence of Mineral Contents) Rules 2015', with proper UNFC codes.
- 10.0 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 or in both.
- 11.0 Mine development and production plan; Bench height, width, bench slope angle, name of the section along which development has been proposed, direction of advancement, top RL, bottom RL, quantity of ROM, generation of waste, stripping ratio, etc should be furnished in tabular form under each year-wise development proposal.
- 12.0 The location of the ramps/ haulage road should be shown in all the development & production plans.
- 13.0 The section wise and level wise calculation sheet to arrive at the annual proposed production quantities and generation of waste to be furnished in separate tables in text.
- 14.0 A detail indicating the boundary extents of the ultimate pit limit, slope angle, bottom pit limit needs to be furnished.

- 15.0 Copy of the plan referred in the DGMS permission needs to be enclosed. The conceptual mine position is beyond the permissible mine depth as per the DGMS permission particularly at section C-C' & D-D'. The maximum depth of the mine therefore should not exceed the DGMS permission. However, if workings are proposed beyond the permissible depth; the details regarding the pit configuration should be clearly spelt out in the text.
- 16.0 As per the existing exploration status, quarry bottom is a mineralized zone. Proposal for backfilling over mineralize zone is not accepted and the same needs to be recast properly.
- 17.0 Sub grade materials are dumped at low lying areas towards the southern portion of the mine & further backfilling is proposed over it. The same is not accepted.
- 18.0 The location of disposal of waste generated during the course of mining shall be clearly justified indicating the methodology of disposal & quantum disposed.
- 19.0 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.
- 20.0 The employment potential table should furnish under categories of high skilled, skilled, semi-skilled & un-skilled.
- 21.0 Predominant wind direction needs to be furnished both in text and respective plans.
- 22.0 Information on year-wise protective measures for reclamation and rehabilitation table furnished in page no. 65 (proposal for water reservoir) needs to be rectified.
- 23.0 An emergency preparedness plan duly approved by the management of the mine/ competent authority to be enclosed.
- 24.0 Borehole log sheets need to be signed by the geologist who had conducted logging and QAQC.
- 25.0 Most of the annexure are obscure, legible copy of annexure to be submitted.

