



भारत सरकार / GOVERNMENT OF INDIA

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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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Kamrup (M), Guwahati, Assam-781021

No.IBM/GHY/MEG/EJNH/LST/MP-92

Date: 10/06/2019

To,

Sri Pawan Kumar Joshi, (Nominated Owner)

M/s. Green Valliey Industries Limited,

Village- Nongsning, Po- Chiehruphi,

P.S- Khliehriat, East Jaintia Hills,

Meghalaya-793210, E-mail: pawan.joshi@greenvalliey.com ,info@greenvalliey.com,

Sub: Scrutiny Comments on the submitted draft Mining Plan along with Progressive Mine Closure Plan in respect of Madan Pyrda (Block-2) Limestone Deposit over an area of 10.71 Hectares in Chiehruphi Village, Taluka-Khliehriat, East Jaintia Hills district of Meghalaya State, of M/s. Green Valliey Industries Limited, submitted under Rule 16 (1) of MCR 2016.

Ref: Your letter no. Nil, dtd. 02.05.2019.

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 Madan Pyrda (Block-2) Limestone Deposit over an area of 10.71 Hectares in Chiehruphi Village, Taluka-Khliehriat, East Jaintia Hills district of Meghalaya State, of M/s. Green Valliey Industries Limited, submitted under Rule 16 (1) of MCR 2016, has been examined in this office on the basis of the site inspection done on 4th June 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,



(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 S. Raha & Sri P. Pathak, Qualified Persons, F.No-401, 4th Floor, Star Plaza, 43/3
Feeder Road, Belghoria, Kolkata-700056. Email- spsgeomining@gmail.com


(P. K. Bhattacharjee)

Regional Controller of Mines

Scrutiny Comments on Draft Mining Plan with Progressive Mine Closure Plan of Madan Pyrda Limestone Block-2 Deposit over an area of 10.71 Ha. in village Chiehruphi, Narpuh taluka, Dist- East Jaintai Hills, Meghalaya of M/s. Green Valliey Industries Limited, prepared by Sri S. Raha and Sri P. K. Pathak (Qualified Persons) under Rule 16 of MCR 2016 & 23 of MCDR 2017.

Inspected By: S. K. Mohapatra (SMG)

Date of Inspection: - 04.06.2019

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 The cover page of the submitted document, registration number allocated by IBM to the applicant/lessee needs to be furnished.
- 3.0 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. Document to be submitted under Rule 16 of MCR 2016.
- 4.0 In page no-3; it has been furnished that the proposed mining lease area of 10.71 ha is DLC forest land, whereas in cover page the same has mentioned as Deemed forest land, which needs to be reviewed and rectified properly. Tree density of the proposed mining lease area needs to be furnished in the text.
- 5.0 In page no. 11, it has been furnished that, as per the local geology, the limestone beds strike WNW-SES with a low dip about 5° towards SSW. In the geological plan the section lines are drawn along the strike direction and accordingly geologically sections have been drawn and resources/reserve has been established, which is technically not correct. Therefore section lines considering the explored boreholes need to be drawn across the strike of the deposit and a fresh resource and reserve needs to be established accordingly as per the extant provision given in 'Mineral (Evidence of Mineral Contents) Rules 2015'.
- 6.0 In page no. 11, it has been furnished that, total resource as per PL report is about 10641458 tons and as per the present submitted mining plan document 16459685 tons which is a difference of about 5818229 tons. Reason for enhancement of resource without additional exploration may be justified.
- 7.0 Bulk density of the limestone has been considered as 2.7 metric tonne/Cum, documentary evidence for the same needs to be annexed.
- 8.0 Detailed fresh section wise calculation along with grade to arrive the resources under 331 and 332 categories needs to be furnished in the document.
- 9.0 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.
- 10.0 The threshold value for limestone has been fixed at 34%CaO. In the draft document the threshold value for limestone of the deposit has been considered as 23.54% CaO, which is not accepted. However from mineral conservation point of view the quantity of limestone between 34-23.54% CaO may be calculated separately from waste and utilization of the same may be proposed.
- 11.0 Life of the mine needs to be revised as per the fresh resource/reserve calculation figures.
- 12.0 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.
- 13.0 The location of the ramps/ haulage road should be shown in all the development & production plans.

- 14.0 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.
- 15.0 A detail indicating the boundary extents of the ultimate pit limit, slope angle, bottom pit limit needs to be furnished.
- 16.0 Detailed calculation of top soil and waste generated during plan period and conceptual period, area required for disposal, manner of disposal, no of terraces, height of each terrace, protective measures required to be furnished with proper calculation and should be reflected in respective plan & sections.
- 17.0 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.
- 18.0 Copy of end use returns of the cement plant (if already existing) to which the mine will be captive to, in prescribed format need to be enclosed.
- 19.0 The employment potential table should furnish under categories of high skilled, skilled, semi-skilled & un-skilled.
- 20.0 Predominant wind direction needs to be furnished both in text and respective plans.
- 21.0 An emergency preparedness plan duly approved by the management of the mine/ competent authority to be enclosed.
- 22.0 Financial assurance table, for areas utilization under different heads needs to be furnished in text and respective plates.
- 23.0 Borehole log sheets need to be signed by the geologist who had conducted logging and QAQC.

PLATES:

1.0 Key plan:

- 1.1 Key plan has not been submitted in the draft document. Key plan shall be prepared strictly as per the extant provisions specified under rule 32(5)(a) of MCDR 2017.

2.0 Authenticated lease Map

- 2.1 As per CCOM circular No 2/2010, a geo-referenced lease map authenticated by the competent authority needs to be submitted.

3.0 Surface plan:

- 3.1 Co-ordinates of all boundary pillars need to be furnished.
- 3.2 Borehole pillars has been shown in index but not shown in surface plan needs to be review and rectified.

4.0 Geological plan/ sections:

- 4.1 UNFC codes needs to be shown properly in both geological plan and sections.
- 4.2 Different feature shown in plate and index needs to be furnished with clear and distinguishable colour codes and some of them are not matching, needs to be rectified.
- 4.3 Structural details and ultimate pit limit needs to be shown in both geological plan and sections.
- 4.4 Transverse section lines have been drawn along the strike direction in the geological plan, which needs to be rectified and sections need to be prepared accordingly.

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

- 5.1 Ultimate pit limit needs to be shown in all year-wise development plan and sections.
- 5.2 Ramps on development benches, haulage road, location of waste dump, topsoil stack, plantation programme if any should be shown in all the development & production plans.
- 5.3 Different feature shown in plan and section are not matching with index are need to be rectified.

