

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION**

MCDR INSPECTION REPORT

Guwahati regional office

Mine file No : IBM/GHY/MEG/JNH/LST-13

Mine code : 38MEG03016

- (i) Name of the Inspecting : **S001**) **Sri S. K. MOHAPATRA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri D.V Ramanayya (Agent), Sri Sangram Kishore Mallic
Official with
Designation
- (iv) Date of Inspection : 25/08/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **LUMSHNONG (70 HECT)**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MEGHALAYA
District : JAINTIA HILLS
Village : LUMSHNONG
Taluka : KHLIEHRIAT
Post office : LUMSHNONG
Pin Code : 793210
FAX No. : 03655278217
E-mail : dbansal@starcement.co.in
Phone : 03655278218
- (f) Police Station : Lumshnong
- (g) First opening date : 21/09/2017
- (h) Weekly day of rest : SUN
2. Address for : Lumshnong
correspondance : Khliehriat
East Jaintia Hills, Meghalaya-793210
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : DEVENDER BANSAL
VILLAGE - LUHMSNONG P.O-
KHLIEHRIAT JAINTIA HILLS
JAINTIA HILLS MEGHALAYA
Phone:
FAX :

Owner : DEVENDER BANSAL
JAINTIA HILLS MEGHALAYA
Phone:
FAX :

Agent : DV RAMANAIYA
JAINTIA HILLS MEGHALAYA
Phone:
FAX :

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	The mine was opened on 21/09/2017.
1b	Exploration over lease area for geological axis 1 or 2	10 bore holes	10 bore holes	Exploration proposed to convert the area under G1 category.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	25 Laks	Complied.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Total 70. ha to be converted to G1 category within this plan period, i.e. 2021-21.	Total 70. ha to be converted to G1 category within this plan period, i.e. 2021-21.	Total 70. ha to be converted to G1 category within this plan period, i.e. 2021-21.
1e	Balance reserve as on 01/04/20	32.13 million tons	31.23 million tons	Complied.
1f	General remarks of inspecting officers on geology, exploration etc	The lessee has carried out the exploration programme proposed during the reporting year.	The lessee has carried out the exploration programme proposed during the reporting year.	The lessee has carried out the exploration programme proposed during the reporting year.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E 436370- E436785, N2783490- N2783947	Carried out as per the proposal but could not achieved upto the mark, because the mine was opened on 21/09/2018.	Carried out as per the proposal but could not achieved upto the mark, because the mine was opened on 21/09/2018.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, Proposed.	Yes, Carried out.	Yes, Carried out.
2c	Stripping ratio or ore to OB ratio	1:0.95	1:0.54	1:0.54
2d	Quantity of topsoil generation in m3	561179 m3	90730.500 m ³	Carried out as per the proposal but could not achieved upto the mark, beacuse the mine was opened on 21/09/2018.
2e	Quantity of overburden generation in m3	310606 m3	49101.800 m ³	Carried out as per the proposal but could not achieved upto the mark, beacuse the mine was opened on 21/09/2018.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The lessee has been carried out the mining operation as per the proposal during the reporting year but could not achieved the targeted production as the mine was open on 21/09/2018.	The lessee has been carried out the mining operation as per the proposal during the reporting year but could not achieved the targeted production as the mine was open on 21/09/2018.	The lessee has been carried out the mining operation as per the proposal during the reporting year but could not achieved the targeted production as the mine was open on 21/09/2018.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	Complied.

3b	Quantity of ROM mineral production proposed	2301064 tons	897192.410 tons	Complied as per the proposal but could not achieved upto the mark, beacuse the mine was opened on 21/09/2018.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	Complied.
3d	Quantity of mineral reject generation	Nil	Nil	Not proposed during the reporting year.
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Not proposed during the reporting year.
3f	Quantity of sub grade mineral generation.	Nil	Nil	Not proposed during the reporting year.
3g	Grade of sub grade mineral generation	Nil	Nil	Not proposed during the reporting year.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Complied.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	Not proposed during the reporting year.
3j	Provision of drilling and blasting in mineral benches	Yes, drilling and blasting proposed.	Yes, drilling and blasting carried out.	Yes, drilling and blasting carried out.
3k	Provision of mining machineries in mineral benches	Yes, sovel and dumper combination.	Yes, carried out with sovel and dumper combination.	Yes, carried out with sovel and dumper combination.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 9mtr.	Yes, 9mtr.	Yes, 9mtr.
3m	Total area covered under excavation/pits	10.04 Ha.	5.00 Ha.	Complied as per the proposal but could not achieved upto the mark, beacuse the mine was opened on 21/09/2018.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.95	1:0.54	Complied.
3o	Total area put in use under different heads at the end of year	10.04 Ha.	7.00 Ha.	Complied.
3p	Production of ROM mineral during the last five year period as applicable	Not applicable	Not applicable	The mine was opened on 21/09/2018, hence not applicable.
3q	General remarks of inspecting officers on method of mining etc.	The lessee has carried out mining as per the proposal but could not achieved upto the mark, beacuse the mine was opened on 21/09/2018.	The lessee has carried out mining as per the proposal but could not achieved upto the mark, beacuse the mine was opened on 21/09/2018.	The lessee has carried out mining as per the proposal but could not achieved upto the mark, beacuse the mine was opened on 21/09/2018.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes, Proposed	Yes, Carried out	Yes, Carried out

4b	Location of topsoil, OB and mineral reject dumps	Soil Dump-N 2784183-N 2784530, E-435854-E436227 OB Dump- N 2784204-N 2784415, E-436180-E436446	Soil Dump-N 2784183-N 2784530, E-435854-E436227 OB Dump- N 2784204-N 2784415, E-436180-E436446	Complied
4c	Number of dumps within lease area and outside of lease area	2 nos. within the lease area.	2 nos. within the lease area.	2 nos. within the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side the UPL	Out side the UPL	Complied.
4e	Number of active and alive dumps.	2	2	Complied.
4f	Number of dead dumps.	Nil	Nil	Complied.
4g	Number of dumps established.	Nil	Nil	Complied.
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	Not done	Not complied as per the proposal.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall-0.26 Ha & Garland drain-0.28 Ha	Not done	Not complied.
4j	Number of settling ponds	Nil	Nil	Not proposed during the reporting year.

4k	Specific comments of inspecting officer on waste dump management	The lesse has carried out the dumping as per the proposal but could not achieved upto the mark , beacuse the mine was opened on 21/09/2018. however the lesse has not carried out the protective measures as per the proposal during the reporting year.	The lesse has carried out the dumping as per the proposal but could not achieved upto the mark , beacuse the mine was opened on 21/09/2018. however the lesse has not carried out the protective measures as per the proposal during the reporting year.	The lesse has carried out the dumping as per the proposal but could not achieved upto the mark , beacuse the mine was opened on 21/09/2018. however the lesse has not carried out the protective measures as per the proposal during the reporting year.
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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Nil	Nil	Not proposed during the reporting year.
5b	Area under backfilling of mined out area	Nil	Nil	Not proposed during the reporting year.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	Not proposed during the reporting year.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Not proposed during the reporting year.

5e	General remarks of inspecting officers on backfilling and reclamation etc.	No such proposal for the reporting year.	No such proposal for the reporting year.	No such proposal for the reporting year.
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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual report of PMCP to be submitted.	Annual report of PMCP has not been submitted.	Annual report of PMCP has not been submitted.
6b	Area available for rehabilitation (ha) .	Nil	Nil	Not proposed during the reporting year.
6c	afforestation done (ha).	0.40 Ha.	0.40 Ha.	0.40 Ha.
6d	No. of saplings planted during the year	100 saplings	100 saplings	100 saplings
6e	Cumulative no .of plants	100 saplings	100 saplings	100 saplings
6f	Any other method of rehabilitation	Nil	Nil	Not proposed during the reporting year.
6g	Cost incurred on watch and care during the year	Nil	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Not proposed during the reporting year.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	Nil	Nil	Not proposed during the reporting year.

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Not proposed during the reporting year.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil	Not proposed during the reporting year.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil	Not proposed during the reporting year.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil	Not proposed during the reporting year.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	Nil	Not proposed during the reporting year.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Air, Noise and Water quality monitoring will be done.	Air, Noise and Water quality monitoring has carried out as per the proposal.	Air, Noise and Water quality monitoring has carried out as per the proposal.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Lesse has carried out afforestation and environmental monitoring as per the proposal during the reporting year.	Lesse has carried out afforestation and environmental monitoring as per the proposal during the reporting year.	Lesse has carried out afforestation and environmental monitoring as per the proposal during the reporting year.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatched directly to crusher plant from mine.	ROM dispatched directly to crusher plant from mine.	ROM dispatched directly to crusher plant from mine.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	Complied.
7c	Different grade of mineral sorted out at mines.	Nil	Nil	Complied
7d	Any beneficiation process at mines .	Nil	Nil	Not proposed during the reporting year.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No such proposal for the reporting year.	No such proposal for the reporting year.	No such proposal for the reporting year.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes, Proposed.	Yes, Carried out	Complied.
8b	Concurrent use or storage of topsoil	Nil	Nil	Not proposed during the reporting year.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, Proposed.	Yes, carried out.	Complied.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	Not proposed during the reporting year.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	Not proposed during the reporting year.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1000 saplings	1000 saplings	1000 saplings
8g	Survival rate	Nil	70%	70%
8h	Water sprinkling on roads to control airborne dust	Proposal for Water sprinkling by Water Tanker on haul roads.	Water sprinkling by Water Tanker on haul roads has been carried out.	Water sprinkling by Water Tanker on haul roads has been carried out.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The lesse has carried out afforestation and water sprinkling carried out as per the proposal.	The lesse has carried out afforestation and water sprinkling carried out as per the proposal.	The lesse has carried out afforestation and water sprinkling carried out as per the proposal.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per Rule 45 of MCDR 2017 Annual return and monthly return has to be submitted.	As per Rule 45 of MCDR 2017 Annual return and monthly return has been submitted.	As per Rule 45 of MCDR 2017 Annual return and monthly return has been submitted.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist to be appointed.	Mining Engineer and Geologist has been appointed.	Mining Engineer and Geologist has been appointed.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Proposed as per approved MP.	Carried out as per proposal.	Carried out as per proposal.
9d	Scrutiny of Annual return on afforestation	1000 saplings	1000 saplings	Complied.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Complied.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	Complied.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 257.80	Rs. 257.80	Rs. 257.80
9h	Scrutiny of Annual return on fixed assets	Rs. 22287250/-	Rs. 22287250/-	Rs. 22287250/-
9k	Scrutiny of Annual return on mining machineries	As proposed in MP	Carried out as per proposal.	Carried out as per proposal.

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

Date :

(Sri S. K. MOHAPATRA)

Indian Bureau of Mines