

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

MCDR INSPECTION REPORT

Guwahati regional office

Mine file No :

Mine code : 38MEG03001

- (i) Name of the Inspecting : **SQ01**) **Sri S. K. MOHAPATRA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri Awdhesh Kumar Pathak, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 25/08/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **LUMSHNONG**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MEGHALAYA
District : JAINTIA HILLS
Village : LUMSHNONG
Taluka : NARPUR
Post office : KHELARIHAT
Pin Code : 793200
FAX No. :
E-mail : mmml2001@gmail.com
Phone :
- (f) Police Station :
- (g) First opening date : 09/05/2002
- (h) Weekly day of rest : SUN
2. Address for : Vill & PO Lumshnong
correspondance : East Jaintia Hills District
Meghalaya -793210
3. (a) Lease Number : MEG0022
- (b) Lease area : 4.2
- (c) Period of lease : 20
- (d) Date of Expiry : 02/04/2022
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : MEGHALAYA MINERALS & MINES LIMITED
Vill & PO Lumshnong East
Jaintia Hills District
JAINTIA HILLS MEGHALAYA
Phone:
FAX :

Owner : Sri Lamshwa Kyndoh
Vill & PO Lumshnong East
Jaintia Hills District
JAINTIA HILLS MEGHALAYA
Phone:
FAX :

Agent : Sri Mukesh Agarwal
Debendra Nagar Jhoom Basti
Dist Karimganj (Assam) -
788803 KARIMGANJ ASSAM
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	Exploration has not proposed during the reporting year.
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	Exploration has not proposed during the reporting year.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	Exploration has not proposed during the reporting year.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Total lease area explored under G1 category.
1e	Balance reserve as on 01/04/20	992313 Tons	992313 Tons	992313 Tons
1f	General remarks of inspecting officers on geology, exploration etc	Exploration has not proposed during the reporting year.	Exploration has not proposed during the reporting year.	Exploration has not proposed during the reporting year.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	25 09' 50.1"-25 09' 57.1"N 92 22' 42.7"-92 22' 47.3"E	25 09' 50.1"-25 09' 57.1"N 92 22' 42.7"-92 22' 47.3"E	Partly complied as per the proposal.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	7 benches in mineral	7 benches in mineral	Partly complied as per the proposal.
2c	Stripping ratio or ore to OB ratio	1:00	1:00	Complied as per the proposal.
2d	Quantity of topsoil generation in m3	Nil	Nil	Complied as per the proposal.

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	180383 Tons	179883 Tons	Complied as per the proposal
3c	Recovery of sailable/usable mineral from ROM production	180383 Tons	179883 Tons	Complied as per the proposal.
3d	Quantity of mineral reject generation	Nil	Nil	Not proposed for the reporting year.
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Not proposed for the reporting year.
3f	Quantity of sub grade mineral generation.	Nil	Nil	Not proposed for the reporting year.
3g	Grade of sub grade mineral generation	Nil	Nil	Not proposed for the reporting year.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Complied as per the proposal.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	Not proposed for the reporting year.
3j	Provision of drilling and blasting in mineral benches	Drilling & Blasting proposed.	Drilling & Blasting carried out	Complied as per the proposal.

3k	Provision of mining machineries in mineral benches	Shovel & Dumper combination.	Shovel & Dumper combination.	Complied as per the proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 6m	Yes, 6m	Complied as per the proposal.
3m	Total area covered under excavation/pits	3.001 Ha.	3.001 Ha.	Complied as per the proposal.
3n	Ore to OB ratio for the pit/mine during the year.	1:00	1:00	Complied as per the proposal.
3o	Total area put in use under different heads at the end of year	Quarry-3.001 Ha, Road-0.543 Ha., Green Belt-0.280 Ha.	Quarry-3.001 Ha, Road-0.543 Ha., Green Belt-0.280 Ha.	Complied as per the proposal.
3p	Production of ROM mineral during the last five year period as applicable	799121 Tons	636176.83 Tons	Complied as per the proposal.
3q	General remarks of inspecting officers on method of mining etc.			The lesse has partially carried out as per the proposal of the reporting year.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	Not proposed for the reporting year.
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	Not proposed for the reporting year.

4c	Number of dumps within lease area and outside of lease area	Nil	Nil	Not proposed for the reporting year.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	Not proposed for the reporting year.
4e	Number of active and alive dumps.	Nil	Nil	Not proposed for the reporting year.
4f	Number of dead dumps.	Nil	Nil	Not proposed for the reporting year.
4g	Number of dumps established.	Nil	Nil	Not proposed for the reporting year.
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	Not proposed for the reporting year.
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	Not proposed for the reporting year.
4j	Number of settling ponds	Nil	Nil	Not proposed for the reporting year.
4k	Specific comments of inspecting officer on waste dump management	No specific proposal for waste dump management.	No specific proposal for waste dump management.	No specific proposal for waste dump management.

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 for the reporting year.

5b	Area under backfilling of mined out area	Nil	Nil	Not proposed for the reporting year.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	Not proposed for the reporting year.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Not proposed for the reporting year.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			there was no proposal for reclamation and rehabilitation during the reporting year.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	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.	Not submitted	Not submitted.
6b	Area available for rehabilitation (ha) .	Nil	Nil	Not proposed during the reporting year.
6c	afforestation done (ha).	0.065 Ha.	0.041 Ha.	Complied.
6d	No. of saplings planted during the year	160	100	Carried out.
6e	Cumulative no .of plants		2080 saplings	Carried out.
6f	Any other method of rehabilitation	Nil	Nil	Not proposed.
6g	Cost incurred on watch and care during the year	Rs. 30000/-	Rs. 18750/-	Carried out

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	Not proposed during the reporting year.
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) Afforestation 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)	Proposed	Carried out	Complied as per the proposal.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No specific proposals for PMCP during the reporting year.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	100% ROM sold to the end user.	100% ROM sold to the end user.	100% ROM sold to the end user.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	Mechanised	Mechanised
7c	Different grade of mineral sorted out at mines.	Nil	Nil	Complied.
7d	Any beneficiation process at mines .	Nil	Nil	Not proposed.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Total produced ROM sold to the end user.	Total produced ROM sold to the end user.	Total produced ROM sold to the end user.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	Not proposed during the reporting year.
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)	Nil	Nil	Not proposed during the reporting year.
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)	160 saplings	100 saplings	Carried out.
8g	Survival rate	70%	50%	Complied.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed	Water sprinkling on haul roads carried out	Complied as per the proposal.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No such specific proposal.	Carried out as per the proposal given for plantation and water sprinkling.	Carried out as per the proposal given for plantation and water sprinkling.

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 to be submitted.	As per Rule 45 of MCDR 2017, Annual return and monthly return has been submitted for the reporting year.	As per Rule 45 of MCDR 2017, Annual return and monthly return has been submitted for the reporting year.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist has been appointed.	Mining Engineer and Geologist has been appointed.	Complied.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details provided as per RoMP.	carried out as per proposal.	Complied.
9d	Scrutiny of Annual return on afforestation	160 saplings	100 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	180383 Tons	179883 tons	Complied.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 388.79	Rs. 388.79	Complied.
9h	Scrutiny of Annual return on fixed assets	Rs. 21263609	Rs. 21263609	Complied.
9k	Scrutiny of Annual return on mining machineries	As proposed in RoMP.	Carried out as per the proposal given in RoMP.	Complied.

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