

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

**MCDR INSPECTION REPORT**

**Guwahati regional office**

**Mine file No :**

**Mine code : 38MEG03014**

- (i) Name of the Inspecting Officer and ID No. : **S001 ) Sri S. K. MOHAPATRA**
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine Official with Designation : Mahesh Kumar Jain, Mines Manager
- (iv) Date of Inspection : 22/08/2018
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MYNKREE LST. DEPOSIT MINE**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working :
- (e) Postal address
- State : MEGHALAYA
- District : JAINTIA HILLS
- Village : MYNKREE
- Taluka : KHLIEHRIAT
- Post office : LUMSHNONG
- Pin Code : 793200
- FAX No. :
- E-mail :
- Phone :
- (f) Police Station :
- (g) First opening date : 04/06/2011
- (h) Weekly day of rest : SUN
2. Address for correspondence :
3. (a) Lease Number : MEG0036
- (b) Lease area : 4
- (c) Period of lease : 20
- (d) Date of Expiry : 08/12/2030
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : VINIT AGARWAL  
MYNKREE LIMESTONE MINE  
JAINTIA HILLS JAINTIA  
HILLS MEGHALAYA  
Phone:  
FAX :

Owner : Sri Vinit Agarwal  
Shivam Complex,  
Bharalumukh, AT Road  
Guwahati-781009, Assam  
JAINTIA HILLS MEGHALAYA  
Phone: 9774028690  
FAX :

Agent : Sri Rajendra Kumar Thalore  
Mynkree, 116 Km Milestone  
NH-44, East Jaintia Hills  
district, Meghalaya. JAINTIA  
HILLS MEGHALAYA  
Phone: 9774028690  
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	02 Boreholes	Nil	Lessee has not carried out the proposed exploration.
1b	Exploration over lease area for geological axis 1 or 2	G1	Nil	Lessee has not carried out the proposed exploration.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	Lessee has not carried out the proposed exploration.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Total 4.00 Ha area was explored, but proposal was to confirm the depth of mineralisation.
1e	Balance reserve as on 01/04/20		905215 Tons	Balance reserve as on 31.03.2018
1f	General remarks of inspecting officers on geology, exploration etc	2 no of bore hole were proposed during the reporting year.	Nil	Lessee has not carried out the proposed exploration.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E- 45-224. N- 57-271 as per the Geological plan	E- 45-224. N- 57-271 as per the Geological plan	Carried out as per the proposal
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	03-OB, 04-Ore	03-OB, 04-Ore	Carried out vas per proposal.
2c	Stripping ratio or ore to OB ratio	1:0.51	1:0.51	Carried out as per proposal

2d	Quantity of topsoil generation in m3	Nil	Nil	There was no proposal for generation of Top soil.
2e	Quantity of overburden generation in m3	56750 tons	52005 Tons	OB generated as per the proposal.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Lesse has carried out as per the proposal during the reporting year

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	Carried out as per proposal
3b	Quantity of ROM mineral production proposed	275750 tons	250270 tons	Carried out as per proposal.
3c	Recovery of sailable/usable mineral from ROM production	275750 tons	250270 tons	Carried out as per proposal
3d	Quantity of mineral reject generation	Nil	Nil	Generation of mineral rejects is nil.
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	Generation of mineral reject is nil.
3f	Quantity of sub grade mineral generation.	Nil	Nil	No generation of Sub-grade ore.
3g	Grade of sub grade mineral generation	Nil	Nil	No generation of Sub-grade ore.

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3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Carried out as per proposal.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	Not proposed.
3j	Provision of drilling and blasting in mineral benches	Yes, drilling & blasting proposed	Carried out	Carried out as per proposal.
3k	Provision of mining machineries in mineral benches	Yes, Sovel & Dumper combination	Yes, Sovel & Dumper combination	Carried out as per proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 6m	Yes, 6m	Carried out as per proposal.
3m	Total area covered under excavation/pits	1.662 Ha.	1.662 Ha.	1.662 Ha.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.51	1:0.51	Carried out as per proposal
3o	Total area put in use under different heads at the end of year	2.297 Ha.	2.297 Ha.	2.297 Ha.
3p	Production of ROM mineral during the last five year period as applicable	577915 Tons	428445 Tons	428445 Tons produced last five years.
3q	General remarks of inspecting officers on method of mining etc.			The lesee has carried out as per the proposal in 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)	Yes, Proposed	Carried out	Carried out as per proposal.
4b	Location of topsoil, OB and mineral reject dumps	OB Dump- E- 237-280, N-93-216, as per the geological plan.	OB Dump- E- 237-280, N-93-216, as per the geological plan.	Carried out as per proposal.
4c	Number of dumps within lease area and outside of lease area	01- within the lease area.	01- within the lease area.	01- within the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Temporary Dump, within UPL.	Temporary Dump, within UPL.	Temporary Dump, within UPL.
4e	Number of active and alive dumps.	1	1	As per proposal.
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	90 m reatining wall & 90 m garland drain	Nil	Not carried out as per proposal.
4i	Length of Retaining wall or garland drain all along dumps	90m both garland drain and retaining wall	Nil	Not carried out as per proposal.
4j	Number of settling ponds	Nil	Nil	Not proposed.
4k	Specific comments of inspecting officer on waste dump management			Dumping carried out as per proposal but protective measures were not carried out.

## Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	38850 Cum	Nil	Not carried out.
5b	Area under backfilling of mined out area	1.048 Ha	Nil	Not carried out as per the proposal
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	Not proposed.
5d	Total area fully reclaimed and rehabilitated	1.048 Ha.	Nil	Not carried out till date.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Reclamation and rehabilitation work has not been carried out by the lessee, because has not been reached the UPL level during the reporting year.

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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).	Proposed	Submitted	Submitted.
6b	Area available for rehabilitation (ha) .	1.048 Ha	Nil	Not carried out.
6c	afforestation done (ha).	0.30 Ha	0.30 Ha.	Carried out
6d	No. of saplings planted during the year	40	85	Carried out

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6e	Cumulative no .of plants	220	280	Carried out as per proposal.
6f	Any other method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch and care during the year	10,000	10,000	Carried out as per the proposal
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	1.048 Ha.	Nil	Not carried out.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	Nil



6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Carried out	Carried out as per proposal.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Back filling proposed over 1.048 Ha.	Not carried out	the lesse has not carried out the reclamation and rehabilitation proposal.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	100% ROM dispatched to Cement Plant.	100% ROM dispatched to Cement Plant.	100% ROM dispatched to Cement Plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	Mechanised	Grade wise sorting has been carried out mechanised manner.
7c	Different grade of mineral sorted out at mines.	Nil	Nil	Not proposed.
7d	Any beneficiation process at mines	Nil	Nil	Not proposed.

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7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Total produced ROM is saleable.	Total produced ROM is saleable.	the total produced ROM has been sent to the cement plant of the lessee.
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**Environment:**


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Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not applicable, no top soil.	Not applicable, no top soil.	Not applicable, no top soil.
8b	Concurrent use or storage of topsoil	Not applicable	Not applicable	Not applicable, as there is no top soil.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal for separate OB dump	OB dumped over existing OB dump.	Carried out as per proposal
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil	Not proposed during the reporting year.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil	Not proposed during the reporting year.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	0.3 Ha 40 saplings	85 saplings planted	Carried out as per the proposal.

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8h	Water sprinkling on roads to control airborne dust	Water Sprinkling at Haul were proposed.	Water Sprinkling at Haul has been carried out by water tankers.	Carried out as per 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.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per MCDR 2017, Annual return and Monthly return to be submitted.	AR and MR submitted for the reporting year.	Lessee has submitted returns within the stipulated time period.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist appointed.	Mining Engineer and Geologist 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	Complied.
9d	Scrutiny of Annual return on afforestation	Nil	Nil	Complied.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Not proposed.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	275750 tons ROM	250270 tons ROM	Complied.

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9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil	Nil
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	As proposed in RoMP	Carried out as per proposal of RoMP.	Complied.

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**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