

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

**MCDR INSPECTION REPORT**

**Guwahati regional office**

**Mine file No :** IBM/GHY/MEG/JNH/LST-11

**Mine code :** 38MEG03013

- (i) Name of the Inspecting : **S001** ) **Sri S. K. MOHAPATRA**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sanjay Kumar & M. K. Sinha  
Official with  
Designation
- (iv) Date of Inspection : 18/09/2018
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **UMSOO-MOOTANG, BLOCK-IV**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : MEGHALAYA  
District : JAINTIA HILLS  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. :  
E-mail : dept.mines@dalmiacement.cor  
Phone :
- (f) Police Station : Lumshnong
- (g) First opening date : 09/08/2010
- (h) Weekly day of rest : SUN
2. Address for :  
correspondance
3. (a) Lease Number : MEG0034  
(b) Lease area : 4.9  
(c) Period of lease : 20  
(d) Date of Expiry : 05/08/2030
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : DALMIA CEMENT BHARAT LIMITED (ADHUNIK)  
LUMHSNONG JAINTIA HILLS  
MEGHALAYA  
Phone:  
FAX :

Owner : VENKATESAN TYGARAJAN  
JAINTIA HILLS MEGHALAYA  
Phone:  
FAX :

Agent : SANJAY KUMAR  
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	Exploration has not been proposed during the reporting year as the entire lease area was explored under G1 category.
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	Exploration has not been proposed during the reporting year as the entire lease area was explored under G1 category.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	Exploration has not been proposed during the reporting year as the entire lease area was explored under G1 category.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Exploration has not been proposed during the reporting year as the entire lease area was explored under G1 category.
1e	Balance reserve as on 01/04/20	86938 tons	86938 tons	86938 tons
1f	General remarks of inspecting officers on geology, exploration etc	Exploration has not been proposed during the reporting year as the entire lease area was explored under G1 category.	Exploration has not been proposed during the reporting year as the entire lease area was explored under G1 category.	Exploration has not been proposed during the reporting year as the entire lease area was explored under G1 category.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Main Pit, as per the proposal given in RoMP.	Partially carried out as per the proposal given in RoMP in main pit.	Partially carried out as per the proposal given in RoMP in main pit.
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	1:0.00	1:0.00	1:0.00
2d	Quantity of topsoil generation in m3	Nil	Nil	Not proposed during the reporting year.
2e	Quantity of overburden generation in m3	Nil	Nil	Not proposed during the reporting year.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		The pit development is partially as per the approved document.	The pit development is partially as per the approved document.

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**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	450005 tons	354366 tons	354366 tons
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	100%
3d	Quantity of mineral reject generation	Nil	Nil	Not proposed during the reporting year.

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3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	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	NA	NA	NA
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Mechanised
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	9 mtr	9 mtr	9 mtr
3m	Total area covered under excavation/pits	4.24 Ha.	4.24 Ha.	4.24 Ha.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.00	1:0.00	1:0.00
3o	Total area put in use under different heads at the end of year	4.24 Ha.	4.24 Ha.	4.24 Ha.

3p	Production of ROM mineral during the last five year period as applicable		1587165 tons	1587165 tons
3q	General remarks of inspecting officers on method of mining etc.	Development has partially carried out as per the proposal of the RoMP.	Development has partially carried out as per the proposal of the RoMP.	Development has partially carried out as per the proposal of the RoMP.

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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 during the reporting year.
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	Not proposed during the reporting year.
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	Not proposed during the reporting year.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	Not proposed during the reporting year.
4e	Number of active and alive dumps.	Nil	Nil	Not proposed during the reporting year.
4f	Number of dead dumps.	Nil	Nil	Not proposed during the reporting year.
4g	Number of dumps established.	Nil	Nil	Not proposed during the reporting year.
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	Not proposed during the reporting year.

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4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	Not proposed during the reporting year.
4j	Number of settling ponds	Nil	Nil	Not proposed during the reporting year.
4k	Specific comments of inspecting officer on waste dump management	No such specific proposal during the reporting year.	No such specific proposal during the reporting year.	No such specific 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
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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).	0.20 Ha	0.20 Ha	0.20 Ha
6d	No. of saplings planted during the year	120 saplings	120 saplings	120 saplings
6e	Cumulative no .of plants	11420 saplings	11420 saplings	11420 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	Not proposed during the reporting year.
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 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.

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## 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	Mechanical
7c	Different grade of mineral sorted out at mines.	Nil	Nil	Nil
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)	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)	120 saplings	120 saplings	120 saplings
8g	Survival rate		65%	65%
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.

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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 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.

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist to be appointed.	As per annual return 2017-18, Sri S. G. Vastrad is the statutory geologist for the above said mine, who was neither present during inspection nor any official document was found as he is presently working in the mine.	As per annual return 2017-18, Sri S. G. Vastrad is the statutory geologist for the above said mine, who was neither present during inspection nor any official document was found as he is presently working in the mine.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Proposed as per approved RoMP.	Carried out as per approved RoMP.	Carried out as per approved RoMP.
9d	Scrutiny of Annual return on afforestation	120 saplings	120 saplings	120 saplings
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 380/-	Rs. 380/-	Rs. 380/-
9h	Scrutiny of Annual return on fixed assets	Rs. 583841243/-	Rs. 583841243/-	Rs. 583841243/-
9k	Scrutiny of Annual return on mining machineries	As proposed in RoMP.	Carried out as per proposal.	Carried out as per proposal.

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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