

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

**MCDR INSPECTION REPORT**

**Guwahati regional office**

**Mine file No :** IBM/GHY/MEG/JNH/LST-17

**Mine code :** 38MEG03004

- (i) Name of the Inspecting : **S001** ) **Sri S. K. MOHAPATRA**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri N. Narayan Reddy (Mines Manager), Abdul Motin Bar  
Official with  
Designation
- (iv) Date of Inspection : 24/08/2018
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SOUTH KHLIEHJERI LST MINE**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : MEGHALAYA  
District : JAINTIA HILLS  
Village : THANGSKAI  
Taluka : KHLIEHRIAT  
Post office : LUMSHNONG  
Pin Code :  
FAX No. :  
E-mail : mines@topcem.in  
Phone : 9402198201
- (f) Police Station : Lumshnong
- (g) First opening date : 19/01/2018
- (h) Weekly day of rest : SUN
2. Address for : Thangskai, 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 : M/s Meghalaya Cements Limited  
Thangskai, Lumshnong  
Khliehriat JAINTIA HILLS  
MEGHALAYA  
Phone:9954099099  
FAX :

Owner : Sri Amit Agarwal  
Megha Plaza, 4th Floor,  
Christian Basti Guwahati -  
781005 KAMRUP ASSAM  
Phone: 9954099099  
FAX :

Agent : Sri Ramesh Kumar Pareek  
Vill : Thangskai P.O :  
Lumshnong Dist : East  
Jaintia Hills JAINTIA HILLS  
MEGHALAYA  
Phone: 8974059506  
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	4 no bore holes	Nil	Mine was open on 19.01.2018, so exploration could not carried out during the reporting year.
1b	Exploration over lease area for geological axis 1 or 2	4 no bore holes	Nil	Mine was open on 19.01.2018, so exploration could not carried out during the reporting year.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	Mine was open on 19.01.2018, so exploration could not carried out during the reporting year.
1d	Balance area to be explored to bring Geological axis in 1 or 2	17.70 Ha	Nil	Mine was open on 19.01.2018, so exploration could not carried out during the reporting year.
1e	Balance reserve as on 01/04/20	15535898 tons	17561206 tons	Mine was open on 19.01.2018.
1f	General remarks of inspecting officers on geology, exploration etc	Mine was open on 19.01.2018, so exploration could not carried out during the reporting year.	Mine was open on 19.01.2018, so exploration could not carried out during the reporting year.	Mine was open on 19.01.2018, so exploration could not carried out during the reporting year.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	50N-167N, 238E-645E as per the approved geological plan.	50N-167N, 238E-645E as per the approved geological plan.	Carried out as per the proposal during the reporting year.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, proposed.	Yes, carried out.	Carried out as per the proposal during the reporting year.
2c	Stripping ratio or ore to OB ratio	1: 0.889	1:4.67	The mine was opened on 19.01.2018 and due to preliminary developemnt work.
2d	Quantity of topsoil generation in m3	230078 Cum	144931 Cum	The mine was open on 19.01.2018, so the proposal could not achieved upto the mark.
2e	Quantity of overburden generation in m3	243600 Cum	97104 Cum	The mine was open on 19.01.2018, so the proposal could not achieved upto the mark.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The mine was open on 19.01.2018, so the proposal could not achieved upto the mark.	The mine was open on 19.01.2018, so the proposal could not achieved upto the mark.	The mine was open on 19.01.2018, so the proposal could not achieved upto the mark.

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	Complied as per the proposal during the reporting year.
3b	Quantity of ROM mineral production proposed	1229280 tons	106845 tons	The mine was open on 19.01.2018, so the leseee could not achieved the proposal upto the mark.

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3c	Recovery of sailable/usable mineral from ROM production	1167816 tons	101503 tons	The mine was open on 19.01.2018, so the lesee could not achieved the proposal upto the mark.
3d	Quantity of mineral reject generation	61464 tons	5342 tons	The mine was open on 19.01.2018, so the lesee could not achieved the proposal upto the mark.
3e	Grade of mineral rejects generation and threshold value declared.	(19.20 - 21.03)% CaO	(19.20 - 23.6)% CaO	Complied.
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	Drilling and blasting proposed.	Drilling and blasting carried out.	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, 6mtr.	Yes, 6mtr.	Complied as per the proposal.
3m	Total area covered under excavation/pits	11.39 Ha.	11.39 Ha.	Complied as per the proposal.
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.889	1:4.67	The mine was open on 19.01.2018, hence due to priliminary development work.
3o	Total area put in use under different heads at the end of year	15.78 Ha.	15.78 Ha.	Complied as per the proposal during the reporting year.
3p	Production of ROM mineral during the last five year period as applicable	Not applicable.	Not applicable.	The mine was opened on 19.01.2018.
3q	General remarks of inspecting officers on method of mining etc.	The lesse has carried out the mining operation as per the proposal given for the reporting year, however could not achieved upto the mark due to the mine was open on 19.01.2018.	The lesse has carried out the mining operation as per the proposal geiven for the reporting year, however could not achieved upto the mark due to the mine was open on 19.01.2018.	The lesse has carried out the mining operation as per the proposal geiven for the reporting year, however could not achieved upto the mark due to the mine was open on 19.01.2018.

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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)	Yes, proposed	Yes carried out.	Yes carried out as per the proposal.

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4b	Location of topsoil, OB and mineral reject dumps	1) Topsoil will be dumped near Pillar No 5 & 6 in North eastern side of the lease area. 2) OB & mineral rejects will be dumped near Pillar No 52 & 53 in south western side of the lease area.	1) Topsoil will be dumped near Pillar No 5 side of the lease area. 2) OB & mineral rejects will be dumped near Pillar No 52 & 53 in south western side of the lease area.	Carried out as per the proposal.
4c	Number of dumps within lease area and outside of lease area	2 nos. within the lease area.	2 nos. within the lease area.	Complied as per the proposal.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed within the UPL.	Carried out within the UPL.	Complied as per the proposal.
4e	Number of active and alive dumps.	2	2	Complied as per the proposal.
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.	proposal given to construct retaining wall of 750m, 425m and garland drain of 300m around the proposed temporary waste dump and soil dump respectively	Nil	Not complied.

4i	Length of Retaining wall or garland drain all along dumps	Proposal given Nil to construct retaining wall of 750m, 425m and garland drain of 300m around the proposed temporary waste dump and soil dump respectively.	Nil	Nil	Not complied.
4j	Number of settling ponds	Nil	Nil	Nil	Not proposed during the reporting year.
4k	Specific comments of inspecting officer on waste dump management	The lesse has carried out the waste dump management as per the proposal given for the reporting year, however could not achieved upto the mark due to the mine was open on 19.01.2018.	The lesse has carried out the waste dump management as per the proposal given for the reporting year, however could not achieved upto the mark due to the mine was open on 19.01.2018.	The lesse has carried out the waste dump management as per the proposal given for the reporting year, however could not achieved upto the mark due to the mine was open on 19.01.2018.	The lesse has carried out the waste dump management as per the proposal given for the reporting year, however could not achieved upto the mark due to the mine was open on 19.01.2018.

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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	The mine was opened on 19.01.2018.
5b	Area under backfilling of mined out area	Nil	Nil	The mine was opened on 19.01.2018.

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5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Propoed to be used for plantation works.	used for plantation works.	Complied as per proposal.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	The mine was opened on 19.01.2018.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No specific proposal for backfilling.	No specific proposal for backfilling.	The mine was opened on 19.01.2018. So, there is no specific proposal for backfilling.

#### 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	The mine was open on 19.01.2018.
6c	afforestation done (ha).	0.20 Ha.	0.233 Ha.	Complied.
6d	No. of saplings planted during the year	200 saplings	350 saplings	complied as per the proposal.
6e	Cumulative no .of plants	200 saplings	350 saplings	The mine was opened on 19.01.2018.
6f	Any other method of rehabilitation	Nil	Nil	The mine was opened on 19.01.2018, not proposed during the reporting year.
6g	Cost incurred on watch and care during the year	Rs. 20000/-	Rs. 35000/-	Complied.

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil	The mine was opened on 19.01.2018, not proposed during the reporting year.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	The mine was opened on 19.01.2018 and not proposed during the reporting year.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Nil	Nil	The mine was opened on 19.01.2018 and not proposed during the reporting year.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	The mine was opened on 19.01.2018 and not proposed during the reporting year.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	The mine was opened on 19.01.2018 and not proposed during the reporting year.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	The mine was opened on 19.01.2018 and not proposed during the reporting year.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	The mine was opened on 19.01.2018 and not proposed during the reporting year.

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	The mine was opened on 19.01.2018 and 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.	Yes, air, Noise and Water quality monitoring has been carried out as per the proposal.	Yes, air, Noise and Water quality monitoring has been carried out as per the proposal.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	The mine was opened on 19.01.2018. Lesse has carried out afforestation and environmental monitoring as per the proposal during the reporting year.	The mine was opened on 19.01.2018. Lesse has carried out afforestation and environmental monitoring as per the proposal during the reporting year.	The mine was opened on 19.01.2018. 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	Nil	Nil	Not proposed during the reporting year.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised.	Mechanised.	Complied as per proposal.
7c	Different grade of mineral sorted out at mines.	Nil	Nil	Not proposed during the reporting year.
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	The mine was open on 19.01.218. So, no specific proposal for the reporting year.	The mine was open on 19.01.218. So, no specific proposal for the reporting year.	The mine was open on 19.01.218. So, no specific proposal for the reporting year.
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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)	Yes, Proposed.	Yes, Carried out.	Carried out as per the proposal during the reporting year.
8b	Concurrent use or storage of topsoil	Proposal for utalise for plantation work.	Partly utilised for plantation work	Complied as per proposal.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, Proposed.	Yes, Carried out.	Carried out as per the proposal 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 propossed during the reporting year.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	Not propossed during the reporting year.

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8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes, proposed for 200 saplings..	Yes, 350 saplings planted.	Carried out as per the proposal.
8g	Survival rate	Nil	69%	Complied.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling will be done on haul roads.	Water sprinkling has been carried out on haul roads.	Water sprinkling has been carried out on haul roads.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Proposal given for afforestation and water sprinkling.	Afforestation and water sprinkling carried out as per the proposal.	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.
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 modified MP.	Carried out as per approved modified MP.	Complied.
9d	Scrutiny of Annual return on afforestation	200 saplings	350 saplings	Complied.

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	61464 tons	5342 tons	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. 319/-	Rs. 319/-	Complied.
9h	Scrutiny of Annual return on fixed assets	Rs. 255333261/-	Rs. 255333261/-	Complied.
9k	Scrutiny of Annual return on mining machineries	As proposed in modified MP.	Carried out as per the proposal of modified MP.	Complied.

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

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

**Date :**

**(Sri S. K. MOHAPATRA)**

Indian Bureau of Mines