

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

MCDR INSPECTION REPORT

Guwahati regional office

Mine file No : IBM/GHY/MEG/JNH/LST-16

Mine code : 38MEG03005

- (i) Name of the Inspecting : **SQ01**) **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 : 23/08/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KHLEIHJERI (4.9 HECT.)**
- (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 : 793200
FAX No. :
E-mail : mines@topcem.in
Phone : 9402198201
- (f) Police Station : Lumshnong
- (g) First opening date : 24/07/2006
- (h) Weekly day of rest : SUN
2. Address for : Vill : Thangskai,
correspondance P.O : Lumshnong
Dist : East Jaintia Hills, Meghalaya
3. (a) Lease Number : MEG0025
- (b) Lease area : 4.9
- (c) Period of lease : 20
- (d) Date of Expiry : 20/06/2026
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	Nil	Nil	Exploration has not been proposed during the reporting year.
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	Exploration has not been proposed during the reporting year.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	Exploration has not been proposed during the reporting year.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Total lease area is already under G1 category.
1e	Balance reserve as on 01/04/20	1260897 tons	1306006 tons	Complied
1f	General remarks of inspecting officers on geology, exploration etc	Exploration has not been proposed during the reporting year.	Exploration has not been proposed during the reporting year.	Exploration has not been proposed during the reporting year.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	South eastern part of the the pit proposed.	South eastern part of the the pit carried out.	Carried out as per the proposal.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, Proposed.	Yes, carried out.	Complied as per the proposal.
2c	Stripping ratio or ore to OB ratio	1: 0.14	1:0.80	Complied.
2d	Quantity of topsoil generation in m3	Nil	Nil	Not proposed during the reporting year.

2e	Quantity of overburden generation in m3	8900 Cum	5786 Cum	Complied.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The lesse has carried out as per the proposal during the reporting year.

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	250625 tons	205516 tons	Complied.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	Complied.
3d	Quantity of mineral reject generation	12532 tons	10276 tons	Complied.
3e	Grade of mineral rejects generation and threshold value declared.	(19.20 – 21.03)% CaO	(19.20 – 22.5)% CaO	Complied as per proposal.
3f	Quantity of sub grade mineral generation.	Nil	Nil	Not proposed.
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.	Complied.
3k	Provision of mining machineries in mineral benches	Yes, sovel and dumper combination.	carried out, Sovel and dumper combination.	Complied.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 6m	Yes, 6m	Complied.
3m	Total area covered under excavation/pits	3.68 ha.	3.68 ha.	Complied.
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.14	1:0.12	Complied.
3o	Total area put in use under different heads at the end of year	3.76 Ha.	3.76 Ha.	Complied.
3p	Production of ROM mineral during the last five year period as applicable	Nil	Nil	Mines was suspended since 26.12.2011 and was revoked on 17.01.2017 by the IBM.
3q	General remarks of inspecting officers on method of mining etc.			the lesee has carried out mining as per the proposal during the reporting year.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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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	Waste generated will be backfilled over the statutory barriers.	Waste generated has been backfilled over the statutory barriers.	Complied as per the proposals.
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	Complied
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	No alive dump within the lease area.
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.	Nil	Nil	Not proposed during the reporting year.
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 proposals.	No such specific proposals.	No such specific proposals for dumping and protective measures.

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.	No proposal of backfilling was carried backfilling in out over statutory the mine pit. barriers. However backfilling was proposed over statutory barriers.		Complied as per proposal.
5b	Area under backfilling of mined out area	0.06 Ha.	0.04 Ha.	Complied.
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	0.06 Ha.	0.04 Ha.	Backfilled over statutory barrier.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal of Backfilling was carried backfilling in out over statutory the mine pit. barriers. However backfilling was proposed over statutory barriers.		No proposal of backfilling in the mine pit. However backfilling was proposed over statutory barriers.

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) .	0.06 Ha.	0.04 Ha.	Backfilling was carried out over 0.04 Ha. in statutory barrier.
6c	afforestation done (ha) .	0.25 Ha.	0.32 Ha.	Carried out
6d	No. of saplings planted during the year	100 nos.	227 nos	Carried out

6e	Cumulative no .of plants	12052 nos	12279 nos	Carried out.
6f	Any other method of rehabilitation	Nil	Nil	Not proposed during the reporting month.
6g	Cost incurred on watch and care during the year	Rs. 10000/-	Rs. 22700/-	Complied.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	Not proposed during the reporting month.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Not proposed during the reporting month.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil	Not proposed during the reporting month.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Not proposed during the reporting month.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	Not proposed during the reporting month.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	Not proposed during the reporting month.

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	Not proposed during the reporting month.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	Not proposed during the reporting month.
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 is done as per the proposal given in Review of Mining Plan.	Complied as per the proposal.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No such specific proposal.	Carried out as per the proposal.	Lessee has carried out backfilling, afforestation 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	Nil.	Nil	Not proposed during the reporting year.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	Nil	Not proposed during the reporting year.
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	Nil	Nil	Not proposed during the reporting year.
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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	Waste generated will be backfilled over the statutory barriers.	Generated waste has been backfilled over the statutory barriers.	Carried out as per the proposal.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100 no.	227 no.	Carried out as per the proposal.
8g	Survival rate	Nil	77%	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.	Complied as per the proposal.

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 has been carried out as per proposal.	afforestation and water sprinkling has been carried out as per 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.	Complied.
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.	Complied.
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 proposal.	Complied.
9d	Scrutiny of Annual return on afforestation	Proposed	Carried out	Complied.
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	Complied.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 328.00	Rs. 328.00	Complied.

9h	Scrutiny of Annual return on fixed assets	Rs. 2310419547	Rs. 2310419547	Complied.
9k	Scrutiny of Annual return on mining machineries	As proposed in RoMP	Carried out as per proposal.	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