

**INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION
MI MCDR INSPECTION REPORT**

Guwahati Regional Office

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

Mine code : 38MEG03005

Date of Inspection: 16.11.2017

General

S.N.	Particulars	
1	Name of the Mine	Khliehjeri Limestone Mine
2	Total Lease Area(Ha) with breakup of Non-forest and forest land	4.9 Hect (Forest: Nil) Non Forest: 4.9 Hect.
3	Mine code	38MEG03005
4	IBM Registration Number under rule 45 of MCDR , 1988	IBM/5869/2011
5	Name of the lessee, Address, phone, email and fax number	M/S Meghalaya Cements Limited
6	Village	Thangskai
7	Taluka/Mandal	Khliehriat
8	District	East Jaintia Hills
9	Pin code	793210
10	State	Meghalaya
11	Post office	Lumshnong
12	Nearest police station	Lumshnong
13	Nearest Railway station	Badarpur
14	Date of Grant of Mining Lease	15.06.2005
15	Date of Execution	21.06.2006
16	Date of opening of Mine	24.07.2006
17	Date of first Renewal , if applicable and its period & expiry	No
18	Date of second Renewal , if applicable and its period & expiry	No
19	Date of submission of Renewal application if Mining operations are continuing under deemed extension	Nil
20	Name of the Nominated owner with Address, phone, email, fax number and date of appointment	Sri Amit Agarwal Date of appointment: 15.06.2015 Megha Plaza, 4th Floor, Christian Basti, Guwahati - 781005 Email : aagarwal@topcem.in Mob : 9954099099
21	Name of the Mine agent with Address, phone, email, fax number and date of appointment	Sri Ramesh Kumar Pareek Date of appointment: 08.10.2012 Vill : Thangskai, P.O : Lumshnong Dist : East Jaintia Hills Meghalaya - 793210 Email : rkpareek@topcem.in Mob : 8974059506
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment	Sri Yellapragada S. Gopal. Date of appointment : 08.08.2017 Vill : Thangskai, P.O : Lumshnong Dist : East Jaintia Hills Meghalaya - 793210 Email : mines@topcem.in Mob :

23	Name of the Mining Engineer , Qualification and total experience with Address , phone, email, fax number and date of appointment in mine	Sri Zala Mahendra Kumar Savdasbhai
		Date of appointment: 14.09.2017
		Qualification : BE (Mining)
		Vill : Thangskai, P.O : Lumshnong
		Dist : East Jaintia Meghalaya - 793210
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	Yes
25	Date of Approval of Mining plan/Modified Mining plan with five year period & specific condition in approvals letter, if any	Mining Plan was approved vide letter No. 314(3)2005-MCCM(CZ)/MP-34, dated 28/04/2006.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five year period & specific condition in approval letter, if any	Review of Mining Plan is approved vide letter No. IBM/GHY/MEG/JNH/LST/MS-53, dated 11/11/2016 for the 5 years period i.e. 2016-17 to 2020-21 and valid upto 31/03/2021.
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30	Captive/Non Captive	Captive

Scientific Mining : Compliance of proposals of approved mining plan/scheme of mining (Duplication of information in existing TMIS data sheets and draft write up has been avoided)

Exploration

S.N.	Items	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2	Nil	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2017.		1.51 Million Ton	
1f	General remarks of inspecting officer on geology, exploration etc.			

Development

S.N.	Items	Proposals	Actual work	Remarks
2a	Location of development w.r.t lease area	As per the proposal of RoMP	Complied as per proposal	
2b	Separate benches in topsoil , overburden and mineral(Rule 15)	Nil	Nil	
2c	Stripping ratio or ore to OB ratio	1: 0.14	1:0.80	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	7500 Tons	3800 Tons	
2f	General remarks of inspecting officer on development of pit w.r.t type of deposit etc.			

Exploitation

S.N.	Items	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	238093 Tons	9010 Tons	
3c	Recovery of salable/usable mineral from ROM	95%	95%	
3d	Quantity of mineral reject generation	12532 Tons	3320 Tons	
3e	Grade of mineral reject generation and threshold value declared	(19.20 - 21.03)%	(19.20 - 22.5)%	
3f	Quantity of sub-grade mineral generation	NA	NA	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual/Mechanised method adopted for segregating from ROM	NA	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6mtr	6mtr	
3m	Total area covered under excavation / pits	3.38 Ha.	3.38 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1: 0.14	1:0.80	
3o	Total area put in use under different heads at the end of year	3.46 Ha.	3.46 Ha.	
3p	Production of ROM mineral during last five year, as applicable	No proposal	No Production	Mines was suspended from 26.12.2011 by IBM and revoked on 17.01.2017
3q	General remarks of inspecting officer on method of mining etc			

Solid Waste Management- Dumping

S.N.	Items	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	NA	NA	
4b	Location of topsoil , OB & mineral reject dumps	the waste generated during the RoMP period will be backfilled over the statutory barriers and some amount will be utilized for construction of roads in neighbour villages.	Backfilling has been started as per the proposal given in the Review of Mining Plan by the waste materials.	
4c	Number of dumps within lease area and outside lease	Nil	Nil	
4d	Location of dumps w.r.t ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active & alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dump	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			

Solid Waste Management- Backfilling

S.N.	Items	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal of backfilling in the mine pit	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling , reclamation etc			

Progressive Mine Closure Plan

S.N.	Items	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 23E(2). Details should be given in the format as given in Annexure-20		Submitted upto 2016-17	
6b	Management of worked /mined out benches i)Area available for rehabilitation (ha) ii)Afforestation done(ha) iii) No. of saplings planted during the year iv)Cumulative no. of plants v) Any other specific method of rehabilitation vi)Cost incurred on watch & care during the year	i) Nil ii) 0.25 ha ii) 100 Nos iv) 12052 nos v) Nil vi) Rs. 10000/-	i) Nil ii) 0.06 ha ii) 65 Nos iv) 12117 nos v) Nil vi) Rs. 6000/-	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii)Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Nil	Nil	Reclamation proposed in the 7.5mtr barrier zone, which was already disturbed earlier
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated(ha) iii) Method of rehabilitation	i) 100 Nos sapplings	i) 65 Nos sapplings	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Air, Noise and Water quality monitoring will be done.	Complied	
6f	General remarks of inspecting officer on PMCP			

Mineral Conservation

S.N.	Items	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	NA	
7b	Method of grade -wise mineral sorting i.e manual or mechanical	NA	NA	
7c	Different grade of mineral sorted out at mines	Nil	Nil	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral			

Environment

S.N.	Items	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	Top soil not available in the ML area
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden , waste rock , rejects and fines(Rule 33)	NA	NA	
8d	Use of overburden , waste rock, rejects and fines dumps for restoring the land to its original use	Use in the back filling in 7.5 mtr barrier zone	Use in the back filling in 7.5 mtr barrier zone	
8e	Phased restoration , reclamation and rehabilitation of lands affected by mining operations (pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done(Rule 41)	100	65	
8g	Survival rate	NA	65%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling done by Water Tanker	Water sprinkling done by Water Tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return submitted upto	Submitted upto October'2017
		Annual Return submitted upto	Submitted upto 2016-17
S.N	Item	Details Given in Annual Return	Observation of I/Officer
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Nil
9d	Scrutiny of Annual return on afforestation		Nil
9e	Scrutiny of Annual return on mineral reject		Nil
9f	Scrutiny of Annual return on ROM stock and/ or graded ore		Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost		Nil
9i	Scrutiny of Annual return on fixed assets		Nil
9k	Scrutiny of Annual return on mining machineries		Nil

Details of Violation observed during current inspection and compliance position of earlier violation pointed out :-

Violations under rule 55(1) was pointed out and violation letter has been issued to the lessee on 05.12.2017. No information is available in this office regarding last MCDR inspection.

Name of inspecting officer with designation and date