

INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION
MCDR INSPECTION REPORT
Guwahati Regional Office

Mine file No :IBM/GHY/MEG/JNH/LST-5

Mine code : 38MEG03008

Date of Inspection: : 16.11.2017

General

S.N.	Particulars	
1	Name of the Mine	Moiong Block- I Limestone Mine
2	Total Lease Area(Ha) with breakup of Non-forest and forest land	4.8 Hect (Forest : Nil , Non Forest : 4.8 Hect.)
3	Mine code	38MEG03008
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	Pincode	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	29.01.2007
15	Date of Execution	08.03.2007
16	Date of opening of Mine	12.06.2007
17	Date of first Renewal , if applicable and its period & expiry	NA
18	Date of second Renewal , if applicable and its period & expiry	NA
19	Date of submission of Renewal application if Mining operations are continuing under deemed extension	NA
20	Name of the Nominated owner with Address, phone, email,fax number and date of appointment	Sri Amit Agarwal Date of appointment : 15.06.20015. 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 Manoj Kumar Roy Date of appointment : 08.02.2013. Vill : Thangskai, P.O : Lumshnong Dist : East Jaintia Hills Meghalaya - 793210 Email : mines@topcem.in Mob : 9402198285
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri Zala Hitendra kumar Savdasbhai Date of appointment : 14.09.2017. Qualification : BE (Mining) Experience : 03 Years Vill : Thangskai, P.O : Lumshnong Dist : East Jaintia Hills Meghalaya - 793210 Email : mines@topcem.in Mob : 7085058467
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 Approaval of Mining plan/Modified Mining plan with five year period & specific condition in approaval letter, if any	Mining Plan was approved vide letter No- 314(3)/2006-MCCM(CZ)/MP-1, dated 12/08/2006 for five years period.
26	Date of Approaval of Scheme of Mining/Modified Scheme of Mining with five year period & specific condition in approaval letter, if any	Rivew of Mining Plan was approved vide letter No- IBM/GHY/MEG/JNH/LST/MS-55, dated 02.05.2017 for the 5 years period i.e. 2017-18 to 2021-22 and valid upto 31/03/2022.
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	Opencast
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	Exploraion 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		419686 Tons	
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	Partially complied to the proposal	
2b	Separate benches in topsoil , overburden and mineral(Rule 15)	1- OB, 5-Ore	1- OB, 5-Ore	
2c	Stripping ratio or ore to OB ratio	1: 0.39	1:0.56	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	36000 Tons	25700 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	107194 Tons	51898 Tons	
3c	Recovery of salable/usable mineral from ROM production	95%	95%	
3d	Quantity of mineral reject generation	5643 Tons	3500 Tons	
3e	Grade of mineral reject generation and thershold value declared	(19.20 - 21.03)% CaO	(19.20 - 23.6)% CaO	
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	6 mtr	6 mtr	
3m	Total area covered under excavation / pits	3.81 ha	3.81 ha	
3n	Ore to OB ratio for the pit/mine during the year	1: 0.389	1:0.56	
3o	Total area put in use under different heads at the end of year	4.12 ha	4.12 ha	
3p	Production of ROM mineral during last five year, as applicable	No production (From 2012-13 to 2015-16) and 102488 Tons for 2016-17.	527066 Tons	From 2012-13 to 2015-16 Mining Scheme was pending with IBM for approval.
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	Nil	Nil	
4c	Number of dumps within lease area and outside lease area	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	Yes,	Yes	
4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	NA	NA	
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	Waste Generated will be backfilled to the nothern side along the lease boundary between P/4- P/5.	Back filling just startede and not achieved upto the target	Partially complied
5b	Area under backfilling of mined out area	0.27 Ha	0.07 ha	Partially complied
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	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) ii) No. of saplings planted during the year Cumulative no. of plants Any other specific method of rehabilitation incurred on watch & care during the year	i) Nil ii) 0.25 ha ii) 200 Nos iv) 3874 nos v) Nil vi)Cost	i) Nil ii) 0.066 ha ii) 357 Nos iv) 6665 nos v) Nil vi) Rs. 25000/-	

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 Rehabilitation by making water reservoir v) Any other specific means	i) 4.12 ha ii) 0.27 ha iii) Nil iv) 0.27 ha v) Nil	i) 4.12 ha ii) 0.07 ha iii) Nil iv) Nil v) Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	Nil	
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 compliance & progressive closure operations			

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 conservation & beneficiation issues			

Environment

S.N.	Items	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	No Provision as there was no topsoil	Nil	
8c	Separate dumps for overburden , waste rock , rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden , waste rock, rejects and fines dumps for restoring the land to its original use.	Used for back filling	Used for back filling	
8e	Phased restoration , reclamation and rehabilitation of lands affected by mining operations(pits, dumps etc)	As proposed in RoMP	Partially complied	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	200	357	
8g	Survival rate	Nil	66.66%	
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 generation(Grade & Quantity)		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 11(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