

**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-12

Mine code : 38MEG03014

**General**

S.N.	Particulars	
1	Name of the Mine	Mynkree Limestone Deposit
2	Total Lease Area(Ha) with breakup of Non-forest and forest land	Non Forest- 4.00 Ha. Forest Land- 0.00 Ha.
3	Mine code	38MEG03014
4	IBM Registration Number under rule 45 of MCDR , 1988	IBM/7580/2011
5	Name of the lessee,Address,phone, email and fax number	M/S Hills Cement Co. Ltd.
6	Village	Mynkree
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 Railway Station
14	Date of Grant of Mining Lease	16-11-2010
15	Date of Execution	09-12-2010
16	Date of opening of Mine	06-04-2011
17	Date of first Renewal , if applicable and its period & expiry	N/A
18	Date of second Renewal , if applicable and its period & expiry	N/A
19	Date of submission of Renewal application if Mining operations are continuing under deemed extension	N/A
20	Name of the Nominated owner with Address, phone, email,fax number and date of appointment	Basant Mittal. Address- Shivam Complex, Bharalumukh, AT Road, Guwahati-781009
21	Name of the Mine agent with Address, phone, email,fax number and date of appointment	Rajendra Kumar Thalore. Address- Mynkree, 116 Km Milestone NH-44, East Jaintia Hills distret, Meghalaya. Ph. No- 9774028690
22	Name of the Mines Manager with Address, phone, email,fax number and date of appointment	Mahesh Kumar Jain. Address- Mynkree, 116 Km Milestone NH-44, East Jaintia Hills distret, Meghalaya. Ph. No- 7085051304
23	Name of the Mining Engineer , Qualification and total experience with Address , phone, email, fax number and date of appointment in mine	Mahesh Kumar Jain. Qualification- Bachelor in Mining Engineering Address- Mynkree, 116 Km Milestone NH-44, East Jaintia Hills distret, Meghalaya.Ph.No-7085051304. Date of Appointment- 02/03/2017.
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	Date: 4/03/2010 for the period of 2010-11 to 2014-15
26	Date of Approaval of Scheme of Mining/Modified Scheme of Mining with five year period & specific condition in approaval letter, if any	Date: 11/07/2016 for the period 2015-16 to 2019-20
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 Mnual)	A- 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		1.18 Million MT	
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	E/W- 45-104. N/S- 57-271	E/W-45-98 N/S- 57-235	
2b	Separate benches in topsoil , overburden and mineral(Rule 15)	Yes	As per proposal	
2c	Stripping ratio or ore to OB ratio	1:0.29	1:0.14	
2d	Quantity of topsoil generation in m3	N.A	N.A	
2e	Quantity of overburden generation in m3	34984	10000	
2f	General remarks of inspecting officer on development of pit w.r.t type of deposit etc.		Nil	

**Exploitation**

S.N.	Items	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	302165	178175	
3c	Recovery of salable/usable mineral from ROM production	302165	178175	
3d	Quantity of mineral reject generation	0	0	
3e	Grade of mineral reject generation and threshold value declared	35% CaO & >6% MgO	N.A	
3f	Quantity of sub-grade mineral generation	30217	0	
3g	Grade of sub-grade mineral generation	30217	0	
3h	Manual/Mechanised method adopted for segregating from ROM	Mechanical	Mechanical	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	N.A	N.A	
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	Yes	Yes	
3m	Total area covered under excavation / pits	-	0.708	
3n	Ore to OB ratio for the pit/mine during the year	1:0.29	1:0.14	
3o	Total area put in use under different heads at the end of year	-	1.232	
3p	Production of ROM mineral during last five year, as applicable	609854	214286	
3q	General remarks of inspecting officer on method of mining etc		Nil	

**Solid Waste Management- Dumping**

S.N.	Items	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject(Rule 32, 33)	Yes	Yes	
4b	Location of topsoil , OB & mineral reject dumps	E/W- 240-263, N/S-87-110	E/W-240-255, N/S-87-106	
4c	Number of dumps within lease area and outside lease area	Within Lease - 01	Within Lease-01	
4d	Location of dumps w.r.t ultimate pit limit (Rule 16)	E/W- 240-263, N/S-87-110	E/W-240-255, N/S-87-106	

4e	Number of active & alive dumps	1		1	
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		No	
4i	Length of Retaining wall or garland drain all along dump	115 m		0	
4j	Number of settling ponds	0		0	
4k	Specific comments of inspecting officer on waste dump management			Nil	

#### **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	N.A		N.A	
5b	Area under backfilling of mined out area	N.A		N.A	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	N.A		N.A	
5d	Total area fully reclaimed & rehabilitated	N.A		N.A	
5e	General remarks of inspecting officer on backfilling , reclamation etc			Nil	

#### **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	N.A		N.A	
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 iv)Cumulative no. of plants v) Any other specific method of rehabilitation vi)Cost incurred on watch & care during the year	N.A		N.A	
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	N.A		N.A	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated( ha) iii) Method of rehabilitation	N.A		N.A	
6e	Compliance of Environmental monitoring( core zone & buffer zone)	Yes		Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations			Nil	

#### **Mineral Conservation**

S.N.	Items	Proposals		Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	271948		161625	
7b	Method of grade -wise mineral sorting i.e manual or mechanical	Mechanical		Mechanical	
7c	Different grade of mineral sorted out at mines	30217		16550	
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)	N.A	N.A	
8b	Concurrent use or storage of topsoil	N.A	N.A	
8c	Separate dumps for overburden , waste rock , rejects and fines(Rule 33)	Yes	Yes	
8d	Use of overburden , waste rock, rejects and fines dumps for restoring the land to its original use	N.A	N.A	
8e	Phased restoration , reclamation and rehabilitation of lands affected by mining operations( pits, dumps etc)	N.A	N.A	
8f	Baseline information on existence of plantation & additional plantation done(Rule 41)	0.08 Ha No of Sapling 80	0.12 Ha, No of Sapling 410 with 3 m spacing	
8g	Survival rate	-	83%	
8h	Water sprinkling on roads to control airborne dust	Water Sprinkling at Haul were proposed.	As per Proposal	
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	Jun-17
		Annual Return submitted upto	2016-2017
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	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Nil
9d	Scrutiny of Annual return on afforestation	Nil	Nil
9e	Scrutiny of Annual return on mineral reject generation(Grade & Quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/ or graded ore	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil	Nil
9i	Scrutiny of Annual return on fixed assets	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	Nil	Nil

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

Violations under rule 11(1), 26(2), 27(2) and 45 were pointed out and violation letter has been issued to the lessee on 22.08.2017. No details available with this office for the last MCDR inspection of the above mine.

**Name of inspecting officer with designation and date**