

**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-8

Mine code : 38MEG03010

Date of Inspection: 11.08.2017

**General**

S.N.	Particulars	
1	Name of the Mine	Umsoo Mootang Block-I Limestone Mines
2	Total Lease Area(Ha) with breakup of Non-forest and forest land	4.90
3	Mine code	38MEG03010
4	IBM Registration Number under rule 45 of MCDR , 1988	6395
5	Name of the lessee,Address,phone, email and fax number	M/s Adhunik Cement Limited
6	Village	Thangskai
7	Taluka/Mandal	Narpuh
8	District	East Jaintia Hills
9	Pincode	793200
10	State	Meghalaya
11	Post office	Lumshnong
12	Nearest police station	Guwahati
13	Nearest Railway station	N.A.
14	Date of Grant of Mining Lease	14.09.2009
15	Date of Execution	25.09.2009
16	Date of opening of Mine	01.10.2009
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	Sh. R.A. Krishna Kumar M/s Adhunik Cement Limited, Umsoo Mootang,Village : Thangskai, P.O. Lumshnong, District : East Jaintia Hills, Meghalaya. 793 210. Appointment : 20.11.2015
21	Name of the Mine agent with Address, phone, email,fax number and date of appointment	Sh. Sanjay Kumar M/s Adhunik Cement Limited, Umsoo Mootang,Village : Thangskai, P.O. Lumshnong, District : East Jaintia Hills, Meghalaya. 793 210. Appointment:12.07.2013, Email- kumar.sanjay@dalmiacement.com Mob: 9612159689
22	Name of the Mines Manager with Address, phone, email,fax number and date of appointment	Sh. Manoj Kumar Sinha M/s Adhunik Cement Limited, Umsoo Mootang,Village : Thangskai, P.O. Lumshnong, District : East Jaintia Hills, Meghalaya. 793210. Appointment: 30.09.2011 Email-sinha.manoj@dalmiacement.com Mob:9612159673
23	Name of the Mining Engineer , Qualification and total experience with Address , phone, email, fax number and date of appointment in mine	Sh. Sanjay Kumar M/s Adhunik Cement Limited, Umsoo Mootang,Village : Thangskai, P.O. Lumshnong, District : East Jaintia Hills, Meghalaya. 793 210. Appointment:12.07.2013

24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	Sh.Neelabh Saxena M/s Adhunik Cement Limited, Umsoo Mootang, Village : Thangskai, P.O. Lumshnong, District : East Jaintia Hills, Meghalaya. 793 210. Appointment: 01.12.2016,
25	Date of Approaval of Mining plan/Modified Mining plan with five year period & specific condition in approaval letter, if any	314(3)2009-MCCM(CZ)/MP-22 Dated: 03.12.2009
26	Date of Approaval of Scheme of Mining/Modified Scheme of Mining with five year period & specific condition in approaval letter, if any	IBM/ GHY/MEG/JNH/LST/MS-08 Dated 27.10.2016
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	Open Cast
29	Category (Fully Mechanised, Others or Mnual)	Fully Mechanized
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	N.A.		
1b	Exploration over lease area for Geological axis 1 or 2	N.A.	Already explored at G1 Level	
1c	Exploraion Agency & Expenditure in lakh Rupees during the year	N.A.		
1d	Balance area to be explored to bring Geological axis in 1 or 2	N.A.		
1e	Balance reserves as on 01.04.2017	-	0.342 Million Tonnes	
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 Plan		
2b	Separate benches in topsoil , overburden and mineral(Rule 15)	5 Benches for Mineral 2 benches in OB	5 bench from 660 to 597 mRL 2 benches OB	
2c	Stripping ratio or ore to OB ratio	01:00	01:00	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	NIL	NIL	
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	150859	143798	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and thershold value declared	Nil	Nil	

3f	Quantity of sub-grade mineral generation	Nil		Nil	
3g	Grade of sub-grade mineral generation	Nil		Nil	
3h	Manual/Mechanised method adopted for segregating from ROM	N.A.		N.A.	
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	9m		9m	
3m	Total area covered under excavation / pits	4.2		4.2	
3n	Ore to OB ratio for the pit/mine during the year	01:00.		01:00.	
3o	Total area put in use under different heads at the end of year	4.9		4.9	
3p	Production of ROM mineral during last five year, as applicable	-		1216255 Tonnes	
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)	N.A.	N.A.	
4b	Location of topsoil , OB & mineral reject dumps	N.A.	N.A.	
4c	Number of dumps within lease area and outside lease area	N.A.	N.A.	
4d	Location of dumps w.r.t ultimate pit limit (Rule 16)	N.A.	N.A.	
4e	Number of active & alive dumps	N.A.	N.A.	
4f	Number of dead dumps	N.A.	N.A.	
4g	Number of dumps stabilised	N.A.	N.A.	
4h	Whether Retaining wall or garland drain all along dump	N.A.	N.A.	
4i	Length of Retaining wall or garland drain all along dump	N.A.	N.A.	
4j	Number of settling ponds	N.A.	N.A.	
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	Proposed at 593 RL	Not done	
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			

**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	Yes	Yes	
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	i) Area not Matured for Rehabilitation ii) ----- iii) 200 saplings iv) 11420 saplings (along safety barrier and out side lease)	i) Area not Matured for Rehabilitation ii) ----- iii) not done in the proposed location iv) 11420 saplings (along safety barrier and out side lease)	
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)	Available (Quaterly Monitoring Done)	Available (Quaterly Monitoring Done)	
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	Not Available	100% ROM is utilized at captive plant	
7b	Method of grade -wise mineral sorting i.e manual or mechanical	Not Available	Blending is carried out within mines for 100% ROM Utilization	
7c	Different grade of mineral sorted out at mines	Not Available	N.A.	
7d	Any beneficiation process at mines	Not Available	N.A.	
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)	N.A.	N.A.	
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)	N.A.	Total 11420 Plants	
8g	Survival rate	N.A.	65%	
8h	Water sprinkling on roads to control airborne dust	N.A.	Yes	
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	Yes
		Annual Return submitted upto	YES
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) were pointed out and violation letter has been issued to the lessee on 29.08.2017. No details available with this office for the last MCDR inspection of the above mine.

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