

INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT AND REGULATION DIVISION  
MCDR INSPECTION REPORT  
Guwahati Regional office

Mine file No : IBM/GHY/MEG/JNH/LST-11	Mine code : 38MEG03013
Date of Inspection-06-08-2016	

General

S.N.	Particulars	
1	Name of the Mine	Umsoo Mootang Block-4 Limestone Mine
2	Total Lease Area(Ha) with breakup of Non-forest and forest land	4.90 Ha.(Non-Forest Land)
3	Mine code	38MEG03013
4	IBM Registration Number under rule 45 of MCDR , 1988	IBM/6395/2011
5	Name of the lessee,Address,phone, email and fax number	M/s Adhunik Cement Ltd., Umsoo-Mootang Block-iv Limestone Mine, Village- Thangskai, P.O- Lumshnong, District-East Jaintia Hills, State- Meghalaya, Pin-793200, Phone/Fax- 0361 2237603/04, e-mail- kumar.sanjay@ dalmiacamant.com
6	Village	Thangskai
7	Taluka/Mandal	Nurpuh
8	District	East Jaintia Hills
9	Pincode	793200
10	State	Meghalaya
11	Post office	Lumshnong
12	Nearest police station	Khliehriat
13	Nearest Railway station	Badarpur
14	Date of Grant of Mining Lease	26-07-2010
15	Date of Execution	06-08-2010
16	Date of opening of Mine	09-08-2010
17	Date of first Renewal , if applicable and its period & expiry	Not Applicable
18	Date of second Renewal , if applicable and its period & expiry	Not Applicable
19	Date of submission of Renewal application if Mining operations are continuing under deemed extension	Not Applicable
20	Name of the Nominated owner with Address, phone, email,fax number and date of appointment	Name-Shri R. A. Krishnakumar, Address - M/s Adhunik Cements Ltd., Village-Thangskai, P.O-Lumshnong, District-East Jaintia Hills, Meghalaya-793200. Phone/Fax- 0361 2237603/04, e-mail- kumar.sanjay@ dalmiacamant.com, Date of appointment- 20/11/2015
21	Name of the Mine agent with Address, phone, email,fax number and date of appointment	Name-Shri. Sanjay Kumar,Address - M/s Adhunik Cements Ltd., Village-Thangskai, P.O-Lumshnong, District-East Jaintia Hills, Meghalaya-793200. Phone/Fax- 0361 2237603/04, e-mail- kumar.sanjay@ dalmiacamant.com, Date of appointment-12/07/2013
22	Name of the Mines Manager with Address, phone, email,fax number and date of appointment	Name-Shri. Shishupal Singh, Address- M/s Adhunik Cements Ltd., Village-Thangskai, P.O-Lumshnong, District-East Jaintia Hills, Meghalaya-793200. Phone/Fax- 0361 2237603/04, e-mail- kumar.sanjay@ dalmiacamant.com, Date of appointment- 05/07/2016

23	Name of the Mining Engineer , Qualification and total experience with Address , phone, email, fax number and date of appointment in mine	Name-Shri. Shishupal Singh, Address- M/s Adhunik Cements Ltd., Village-Thangskai, P.O-Lumshnong, District-East Jaintia Hills, Meghalaya-793200. Phone/Fax- 0361 2237603/04, e-mail- kumar.sanjay@ dalmiacamant.com, Date of appointment- 05/07/2016
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	Yes, Name- Shri. S. G. Vastrad, Address- M/s Adhunik Cements Ltd., Village-Thangskai, P.O-Lumshnong, District- East Jaintia Hills, Meghalaya-793200. Phone/Fax- 0361 2237603/04, e-mail- kumar.sanjay@ dalmiacamant.com, Date of appointment- 06/05/2013
25	Date of Approaval of Mining plan/Modified Mining plan with five year period & specific condition in approaval letter, if any	Mining plan approved vide letter no. 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	Scheme of Mining approved vide letter no. IBM/GHY/MEG/JNH/LST/MS-11 Dated 30/09/2015
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)	Fully Mechanised
30	Captive/Non Captive	Captive

Scientific Mining : Compliance of proposals of approved mining plan/scheme of mining

Exploration

S.N.	Items	*Proposals	Actual work	Remarks
1a	Backlog of previous year	Not Applicable	Not Applicable	Nil
1b	Exploration over lease area for Geological axis 1 or 2	Not Applicable	Not Applicable	Nil
1c	Exploraion Agency & Expenditure in lakh Rupees during the year	Not Applicable	Not Applicable	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Applicable	Not Applicable	Nil
1e	Balance reserves as on 01.04.2016	Not Applicable	1.80 mill tonn	Nil
1f	General remarks of inspecting officer on geology, exploration etc.	Nil	Nil	Nil

Development

S.N.	Items	Proposals	Actual work	Remarks
2a	Location of development w.r.t lease area	....	....	Nil
2b	Separate benches in topsoil , overburden and mineral(Rule 15)	....	Number of Benches in Ore- 3 & IN Waste-0	Nil
2c	Stripping ratio or ore to OB ratio	1: 0	1: 0	Nil
2d	Quantity of topsoil generation in m3	Not Applicable	Not Applicable	Nil
2e	Quantity of overburden generation in m3	Not Applicable	Not Applicable	Nil



General remarks of inspecting officer on development of pit w.r.t type of deposit etc.	Nil	Nil	Nil
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Exploitation

S.N.	Items	Proposals	Actual work	Remarks	
3a	Number of pits proposed for production	One	One		
3b	Quantity of ROM mineral production proposed	700022 Tonne	442070 Tonne	Nil	
3c	Recovery of salable/usable mineral from ROM production	Not Applicable	Not Applicable	Nil	
3d	Quantity of mineral reject generation	Not Applicable	Not Applicable	Nil	
3e	Grade of mineral reject generation and threshold value declared	Not Applicable	Not Applicable	Nil	
3f	Quantity of sub-grade mineral generation	Not Applicable	Not Applicable	Nil	
3g	Grade of sub-grade mineral generation	Not Applicable	Not Applicable	Nil	
3h	Manual/Mechanised method adopted for segregating from ROM	Not Applicable	Not Applicable	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Applicable	Not Applicable	Nil	
3j	Provision of drilling & blasting in mineral benches	Not Applicable	Not Applicable	Nil	
3k	Provision of mining machineries in mineral benches	Not Applicable	Not Applicable	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	.....	Yes	Nil	
3m	Total area covered under excavation / pits	.....	4.240 Ha.	Nil	
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	Nil	
3o	Total area put in use under different heads at the end of year	.....	4.580 Ha	Nil	
3p	Production of ROM mineral during last five year, as applicable	.....	Year	Production(Ton)	Nil
			2011-12	362709.140	
			2012-13	33413.000	
			2013-14	66600.000	
			2014-15	140518.000	
2015-16	442070.000				
3q	General remarks of inspecting officer on method of mining etc	Nil	Nil	Nil	

Solid Waste Management- Dumping

S.N.	Items	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject(Rule 32, 33)	Not Applicable	Not Applicable	Nil
4b	Location of topsoil, OB & mineral reject dumps	Not Applicable	Not Applicable	Nil
4c	Number of dumps within lease area and outside lease area	Not Applicable	Not Applicable	Nil
4d	Location of dumps w.r.t ultimate pit limit (Rule 16)	Not Applicable	Not Applicable	Nil
4e	Number of active & alive dumps	Not Applicable	Not Applicable	Nil

	Number of dead dumps	Not Applicable	Not Applicable	Nil
	Number of dumps stabilised	Not Applicable	Not Applicable	Nil
	Whether Retaining wall or garland drain all along dump	Not Applicable	Not Applicable	Nil
	Length of Retaining wall or garland drain all along dump	Not Applicable	Not Applicable	Nil
4j	Number of settling ponds	Not Applicable	Not Applicable	Nil
	Specific comments of inspecting officer on waste dump management	Nil	Nil	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	Not Applicable	Not Applicable	Nil
5b	Area under backfilling of mined out area	Not Applicable	Not Applicable	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Not Applicable	Not Applicable	Nil
5d	Total area fully reclaimed & rehabilitated	Not Applicable	Not Applicable	Nil
5e	General remarks of inspecting officer on backfilling , reclamation etc	Nil	Nil	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)	.....	.....	Nil
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	Not applicable	Not applicable	Nil
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	Not Applicable	Not Applicable	Nil



	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated( ha) iii) Method of rehabilitation	i) 120 No. Saplings ii) 0.60 Ha iii) By plantation	i) 120 No. (Within lease area) ii) 0.60 Ha iii) By plantation	Nil
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Within permissible limit	Within permissible limit	Nil
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Nil	Nil	Nil

#### Mineral Conservation

S.N.	Items	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not Applicable	Not Applicable	Nil
7b	Method of grade -wise mineral sorting i.e manual or mechanical	Not Applicable	Not Applicable	Nil
7c	Different grade of mineral sorted out at mines	Not Applicable	Not Applicable	Nil
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil	Nil	Nil

#### Environment

S.N.	Items	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Applicable	Not Applicable	Nil
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	Nil
8c	Separate dumps for overburden , waste rock , rejects and fines(Rule 33)	Not Applicable	Not Applicable	Nil
8d	Use of overburden , waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable	Nil
8e	Phased restoration , reclamation and rehabilitation of lands affected by mining operations( pits, dumps etc)	Not Applicable	Not Applicable	Nil
8f	Baseline information on existence of plantation & additional plantation done(Rule 41)	120 no. Sapling	120 No. (Within Lease area) & 500 No. (Outside lease area)	Nil
8g	Survival rate	.....	65%(WL) & 65%(OL)	Nil
8h	Water sprinkling on roads to control airborne dust	.....	Water sprinkling on haul roads frquently done by water tanker	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Nil	Nil


#### Compliance of Rule 45

Item		COMMENTS		Remarks
Date of submission of Monthly and Annual returns		M.R submitted upto	July-2016	
		A.R submitted upto	2015-16	
S.N	Item	Details Given in A.R	Observation of I/Officer	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	...	Appointed as per MCDR 1988	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	...	Area under current O/C working- 4.240Ha.	Nil
9d	Scrutiny of Annual return on afforestation	...	No. of Trees planted- 120 No. (WL)	Nil
9e	Scrutiny of Annual return on mineral reject generation(Grade & Quantity)	...	Mineral Reject Generation-Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/ or graded ore	...	ROM Stock- Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	...	Cost of Production/Ex. Mine Price- 351.30 Rs/Tonne	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 :-

During the Current inspection, Rule 13(1) of MCDR 1988 was found violated by the lessee and violation letter was issued on dated 29/08/2016. Compliance Report received by the Lessee on dated 26/09/2016. Last MCDR inspection was carried out by Shri Naman Ekka, JMG, on 11/12/2014 and no violation was pointed out.

Date:

  
Name- G. C. Meena

Designation- Regional Controller of Mines