

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-1
Date of Inspection: 10.08.2017

Mine code : 38MEG03001

General

S.N.	Particulars	
1	Name of the Mine	Lumshnong Limestone Mine
2	Total Lease Area(Ha) with breakup of Non-forest and forest land	Non-Forest land 4.2 Ha and Forest land Nil
3	Mine code	38MEG03001
4	IBM Registration Number under rule 45 of MCDR , 1988	IBM/7036/2011
5	Name of the lessee,Address,phone, email and fax number	M/s Meghalaya Minerals & Mines Ltd, Vill & PO Lumshnong, East Jaintia Hills District, Meghalaya-793210
6	Village	Lumshnong
7	Taluka/Mandal	Narpuh
8	District	East Jaintia Hills
9	Pincode	793210
10	State	Meghalaya
11	Post office	Lumshnong
12	Nearest police station	Lumshnong A.D. Camp
13	Nearest Railway station	Badarpur
14	Date of Grant of Mining Lease	04-04-02
15	Date of Execution	27-04-02
16	Date of opening of Mine	09-05-02
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	Lamshwa Kyndoh, Vill & PO Lumshnong, East Jaintia Hills District, Meghalaya -793210. Email: mmm12001@gmail.com & DOA 14/10/2005
21	Name of the Mine agent with Address, phone, email,fax number and date of appointment	Mukesh Agarwal, Debendra Nagar Jhoom Basti, Dist Karimganj (Assam) -788803 Email: magariwal.bvcl@gmail.com & DOA 09.10.2005
22	Name of the Mines Manager with Address, phone, email,fax number and date of appointment	Awdhesh Kumar Pathak, Vill & PO Lumshnong, East Jaintia Hills District, Meghalaya -793210. Email:- awdhesh.pathak22 @gmail.com /mmm12001@gmail.com & DOA 01/11/2014
23	Name of the Mining Engineer , Qualification and total experience with Address , phone, email, fax number and date of appointment in mine	Ekram Hossain, B.E. Mining 18 years exp. Vill & PO Lumshnong, East Jaintia Hills District, Meghalaya -793210 Email:- mmm12001@gmail.com & DOA 18/03/2017
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	Rajesh Kundu (Geologist) DOA - 01/04/2015
25	Date of Approaval of Mining plan/Modified Mining plan with five year period & specific condition in approaval letter, if any	No. IBM/GHY/MEG/JNH/LST/MS-73 dated 11/07/2016
26	Date of Approaval of Scheme of Mining/Modified Scheme of Mining with five year period & specific condition in approaval letter, if any	Modification of approved mining plan was approved by RCOM, IBM Guwahati vide letter No. IBM/GHY/MEG/JNH/LST/MS-73, dated 11/7/2016.
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 Mnu al)	Fully Mechanised
30	Captive/Non Captive	Non 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.	Nil	Nil	
1f	General remarks of inspecting officer on geology, exploration etc.	Nil	Nil	

Development

S.N.	Items	Proposals	Actual work	Remarks
2a	Location of development w.r.t lease area	As per proposal in the review of mining plan	Carried out	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	5 benches of mineral	5 benches of mineral	
2c	Stripping ratio or ore to OB ratio	01:00	01:00	
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	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	179270	162894.83	
3c	Recovery of salable/usable mineral from ROM production	100% salable	As proposed	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold 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	NA	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	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 m height & 3 m width for limestone benches	6 m height & 3 m width for limestone benches	
3m	Total area covered under excavation / pits	3.001 Ha	3.001 Ha	
3n	Ore to OB ratio for the pit/mine during the year	100% ore (1:0)	100% ore (1:0)	
3o	Total area put in use under different heads at the end of year	Quarry - 3.001 Ha, Road - 0.543 Ha, Green belt - 0.280 Ha & balance land unused - 0.376 Ha = 4.2 Ha	Quarry - 3.001 Ha, Road - 0.543 Ha, Green belt - 0.280 Ha & balance land unused - 0.376 Ha = 4.2 Ha	
3p	Production of ROM mineral during last five year, as applicable	2012-13 to 2016-17 = 618738 MT	2012-13 to 2016-17 = 525852.24 MT	
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)	Nil		Nil	
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)	Nil		Nil	
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	Nil		Nil	
5b	Area under backfilling of mined out area	Nil		Nil	
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	Yes		Not Submitted	
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) Nil ii) 0.065 ha iii) 160 nos		i) Nil ii) 0.041 Ha iii) 100 nos iv) 2080 nos	
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	NA		NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated(ha) iii) Method of rehabilitation	NA		NA	
6e	Compliance of Environmental monitoring(core zone & buffer zone)	Rs. 50000 for environmental monitoring cost		Complied	By Greentech Environmental Engineer & Consultants
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	Production - 179270 MT		Despatch - 139082.50 MT	
7b	Method of grade -wise mineral sorting i.e manual or mechanical	N.A.		N.A.	
7c	Different grade of mineral sorted out at mines	N.A.		N.A.	
7d	Any beneficiation process at mines	N.A.		N.A.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues				No

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.		No	
8c	Separate dumps for overburden , waste rock , rejects and fines(Rule 33)	N.A.		No	
8d	Use of overburden , waste rock, rejects and fines dumps for restoring the land to its original use	N.A.		No	
8e	Phased restoration , reclamation and rehabilitation of lands affected by mining operations(pits, dumps etc)	N.A.		No	
8f	Baseline information on existence of plantation & additional plantation done(Rule 41)	160 sapling		100 sapling	
8g	Survival rate	70%		50%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road and working face by 12000 litre capacity water tanker tyre mounted		Carried out	
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	Upto July,2017	
		Annual Return submitted upto	Upto 2015-16	
S.N	Item	Details Given in Annual Return	Observation of I/Officer	Not Submitted for the year 2016-17
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager			
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			
9d	Scrutiny of Annual return on afforestation			
9e	Scrutiny of Annual return on mineral reject generation(Grade & Quantity)			
9f	Scrutiny of Annual return on ROM stock and/ or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost			
9i	Scrutiny of Annual return on fixed assets			
9k	Scrutiny of Annual return on mining machineries			

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

Violations under rule 11(1), 26 (2), 27(2) & 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