

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

Mine file No : IBM/GHY/MEG/EKH/LST-2

Mine code : 38MEG04001

Date of Inspection: 29.07.2017

General

S.N.	Particulars	
1	Name of the Mine	Komorrah Limestone Mines
2	Total Lease Area(Ha) with breakup of Non-forest and forest land	240.55 Ha.
3	Mine code	38MEG04001
4	IBM Registration Number under rule 45 of MCDR , 1988	IBM/7055/2011
5	Name of the lessee,Address,phone, email and fax number	Komorrah Limestone Mining Co. Ltd.
6	Village	Komorrah
7	Taluka/Mandal	Cherrapunjee
8	District	East Khasi Hills
9	Pincode	793107
10	State	Meghalaya
11	Post office	Bholaganj Bazar
12	Nearest police station	Bholaganj Police Outpost
13	Nearest Railway station	Guwahati
14	Date of Grant of Mining Lease	25/06/1973
15	Date of Execution	25/06/1973
16	Date of opening of Mine	25/06/1973
17	Date of first Renewal , if applicable and its period & expiry	14/06/1994 (25/06/1993 to 24/06/2013)
18	Date of second Renewal , if applicable and its period & expiry	25/06/2013
19	Date of submission of Renewal application if Mining operations are continuing under deemed extension	3/5/2012 for 20 years from 25/06/2013
20	Name of the Nominated owner with Address, phone, email,fax number and date of appointment	Shri J. R. Myrboh 176 Upper Lachumiere, Shillong, East Khasi Hills, Meghalaya-793001, Mobile No- 9977702514
21	Name of the Mine agent with Address, phone, email,fax number and date of appointment	Shri J. R. Myrboh 176 Upper Lachumiere, Shillong, East Khasi Hills, Meghalaya-793001, Mobile No- 9977702514
22	Name of the Mines Manager with Address, phone, email,fax number and date of appointment	Sri D. K. Chattopadhyay, Po: Bholaganj Bazar, East Khasi Hills Dist Meghalaya-793107, Mobile No.-9436119469.
23	Name of the Mining Engineer , Qualification and total experience with Address , phone, email, fax number and date of appointment in mine	Sri D. K. Chattopadhyay, Po: Bholaganj Bazar, East Khasi Hills Dist Meghalaya-793107, Mobile No.-9436119469.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	Sri Paul Newman Lamare, Po: Bholaganj Bazar, East Khasi Hills Dist Meghalaya-793107, Mobile No.-9856062810.
25	Date of Approaval of Mining plan/Modified Mining plan with five year period & specific condition in approaval letter, if any	07-11-2016
26	Date of Approaval of Scheme of Mining/Modified Scheme of Mining with five year period & specific condition in approaval letter, if any	Review of Mining Plan approved by IBM, Guwahati, on 11/07/2016.
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 Mnuual)	Other than Fully Mechanized
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			
1b	Exploration over lease area for Geological axis 1 or 2	3 bore holes P1, P2,P3 (35m, 50m & 45m depth as mentioned in romp)	Not done	
1c	Exploraion Agency & Expenditure in lakh Rupees during the year		Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	210.55 Ha	210.55 Ha	
1e	Balance reserves as on 01.04.2017	-	32.41 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 review of mining plan	Partially carried out	
2b	Separate benches in topsoil , overburden and mineral(Rule 15)	2 Benches in OB & 4 Benches in Ore	2 Benches in OB & 4 Benches in Ore	
2c	Stripping ratio or ore to OB ratio	1: 0.022	1: 0.022	
2d	Quantity of topsoil generation in m3	Nil		
2e	Quantity of overburden generation in m3	3360 Cum	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	4 Benches	4 Benches	
3b	Quantity of ROM mineral production proposed	1,50,000 MT	67173.50 MT	
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	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Nil	
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, 6m	Yes, 6m	
3m	Total area covered under excavation / pits	15.571 Ha.	15.571 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1: 0.022	1: 0.022	
3o	Total area put in use under different heads at the end of year	Proposal as per review of mining plan	20.494 Ha.	
3p	Production of ROM mineral during last five year, as applicable		388845.50 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)	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	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	1		1	
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	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	NA	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		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	Nil	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	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, Quartely Monitoring	Carried out	
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	100% ROM dispatched to CCCL Bangladesh by aerial ropeway	100% ROM dispatched to CCCL Bangladesh by aerial ropeway	
7b	Method of grade -wise mineral sorting i.e manual or mechanical	manual (Pick & Choose Method)	manual (Pick & Choose Method)	
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)	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)	Nil	860- out side lease rae	
8g	Survival rate	75 to 80%	75%	
8h	Water sprinkling on roads to control airborne dust	Yes, By Water Sprinkler	Yes, By Water Sprinkler	
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	June 2017	
		Annual Return 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		Intimation of appointment of agent has not given.	
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		Not submitted	
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		Same as last year, needs rectification	
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 rules 11(1), 26(2), 27(2), 45, 46, and 50 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