

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

Date of Inspection: 13.08.2019

General

S.N.	Particulars	
1	Name of the Mine	Mynkree Limestone Mine
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 Company Limited
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	04.06.2011
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	Sri Vinit Agarwal . Address- Shivam Complex, Bharalumukh, AT Road, Guwahati-781009
21	Name of the Mine agent with Address, phone, email,fax number and date of appointment	Sri Rajendra Kumar Thalore. Address- Mynkree, 116 Km Milestone NH-44, East Jaintia Hills district, Meghalaya. Ph. No- 9774028690, rajendrathalor1984@gmail.com
22	Name of the Mines Manager with Address, phone, email,fax number and date of appointment	Sri Mahesh Kumar Jain. Qualification- Bachelor in Mining Engineering Address- Mynkree, 116 Km stone NH-44, East Jaintia Hills district, Meghalaya. Ph.No-7085051304, mines@hcl.in Date of Appointment- 02/03/2017.
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 stone NH-44, East Jaintia Hills district, Meghalaya. Ph.No-7085051304, mines@hcl.in 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	Geologist of the mine has resigned on 30.11.2018. presently no geologist is working in the mine.
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 /Review of Mining Plan 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	2	2	
1b	Exploration over lease area for Geological axis 1 or 2	Nil	2	
1c	Exploraion Agency & Expenditure in lakh Rupees during the year	Nil	3.068	Backlog of previous year
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2019		689335 tons	As per the approved RoMP
1f	General remarks of inspecting officer on geology, exploration etc.	Lessee has carried ot exploration of 2 no of bore holes during the reporting year, which was backlog of previous year. The reassessment of resource and reserve is under process.		
Development				
S.N.	Items	Proposals	Actual work	Remarks
2a	Location of development w.r.t lease area	N 57-271/ E 45-261	N 57-240/ E 55-250	
2b	Separate benches in topsoil , overburden and mineral(Rule 15)	Yes, OB: 710 mRL-681 mRL, Mineral: 681 mRL-660 mRL.	Yes, OB: 710 mRL-681 mRL, Mineral: 681 mRL-666 mRL.	The configuration (extent) of benches are not as per the proposal
2c	Stripping ratio or ore to OB ratio	1:0.79	1:0.79	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	71500	71490	
2f	General remarks of inspecting officer on development of pit w.r.t type of deposit etc.	Lessee has not carried out the pit configuration as per the proposal furnished in the approved document, although achived the target. A violation letter under rule 11(1) has been issued on 20.08.2019 in this regard.		
Exploitation				
S.N.	Items	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	225875 tons	225870 tons	
3c	Recovery of salable/usable mineral from ROM production	225875 tons	225870 tons	
3d	Quantity of mineral reject generation	0	0	
3e	Grade of mineral reject generation and thershold value declared	Mineral rejects-Nil, Threshold value: 34% CaO & >6% MgO	Mineral rejects-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	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Yes, Jack Hammer 100 mm dia. Drills. Controlled blasting with V pattern proposed with LD explosives of 25mm dia. & 83mm dia. with detonating cord & milli second delay detonators.	Yes, Jack Hammer 100 mm dia. Drills. Controlled blasting with V pattern proposed with LD explosives of 25mm dia. & 83mm dia. with detonating cord & milli second delay detonators.	
3k	Provision of mining machineries in mineral benches	Yes, Shovel and Dumper combination. L&T-PC200 (Backhoe), Hyva- 30 ton	Yes, Shovel and Dumper combination. L&T-PC200 (Backhoe), Hyva- 30 ton	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	The height & width of the benches are 6mtr/6 mtr	The height & width of the benches are 6mtr /6 mtr	
3m	Total area covered under excavation / pits	2.420 Ha	2.420 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.79	1:0.79	
3o	Total area put in use under different heads at the end of year	Pit: 2.420 Ha. Dump: 0.447 Ha etc: 0.188 Ha	Roads & Dump: 0.447 Ha Roads & etc: 0.188 Ha	
3p	Production of ROM mineral during last five year, as applicable	842717 tons	686282.524 tons	
3q	General remarks of inspecting officer on method of mining etc	Lessee has not carried out the production (pit extent, profile and configuration) as per the proposal furnished in the approved document, although achieved the target. A violation letter under rule 11(1) has been issued on 20.08.2019 in this regard.		
Solid Waste Management- Dumping				
S.N.	Items	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject(Rule 32, 33)	Only one temporary OB dump proposed within the ML area	Only one temporary OB dump present within the ML area	
4b	Location of topsoil , OB & mineral reject dumps	N130- N170 / E 240-E 290	N110- N215 / E 240-E 290	As proposed rehandling of waste dump has not been carried out by the lessee
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)	N130- N170 / E 240-E 290	N110- N215 / E 240-E 290	
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	Already present	Already present and no proposal during the reporting year	
4i	Length of Retaining wall or garland drain all along dump	Nil	No proposal during the reporting year	
4j	Number of settling ponds	Nil	No proposal during the reporting year	
4k	Specific comments of inspecting officer on waste dump management	Rehandling of the temporary waste dump and backfilling in the exhaust benches were proposed but the lessee has not carried out as per the approved proposal. A violation in this regard has already been issued on 20.08.2019		
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	2639 sqm. of area in the western side of the pit over exhausted benches AA' & BB' sections	Nil	
5b	Area under backfilling of mined out area	0.026 Ha	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	There was a proposal of 116074 cum of waste from the existing waste dump were to be backfilled along AA' & BB' section over the worked out benches. But the same has not been carried out in the mine. A violation in this regard has already been issued on 20.08.2019		
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	As per Rule 26(2) Annual PMCP report to be submitted before 1st day of July of every year	Lessee has not submitted for the year 2018-19 to the comptent authority	

6b	Management of worked /mined out benches i)Area available for rehabilitation (ha) ii)Afforestation done(ha) iii)i 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) NA ii) NA ii) NA iv) NA v) Nil vi) NA	i) NA ii) NA ii) NA iv) NA v) Nil vi) NA	
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	i) 0.026 Ha ii) 116074 Cum iii) Nil iv)Nil v) Nil	i) Nil ii) Nil iii) Nil iv) Nil v) Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated(ha) iii) Method of rehabilitation	i) 60 nos saplings in safety barriers. ii) Nil iii) Nil	i) 75 nos saplings in safety barriers. ii) Nil iii) Nil	
6e	Compliance of Environmental monitoring(core zone & buffer zone)	Air, Noise and Water quality monitoring will be done during the year within the lease area	Air, Noise and Water quality monitoring carried out as per the proposal during the reporting year.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Lessee has not submitted annual PMCP report for the reporting year to the competent authority. A violation letter has already been issued on 20.08.2019 in this regard.		

Mineral Conservation

S.N.	Items	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Produced ROM will be directly sent to the crusher unit from the mine	Produced ROM has directly sent to the crusher unit from the mine	
7b	Method of grade -wise mineral sorting i.e manual or mechanical	Mechanised	Mechanised	
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	No such proposal for mineral beneficiation was proposed during the reporting year.		

Environment

S.N.	Items	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
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	Yes, proposal of 116074 cum of waste from the existing waste dump were to be backfilled along AA' & BB' section over the worked out benches	Not carried out	
8e	Phased restoration , reclamation and rehabilitation of lands affected by mining operations(pits, dumps etc)	Yes, proposal of 116074 cum of waste from the existing waste dump were to be backfilled along AA' & BB' section over the worked out benches	Not carried out	
8f	Baseline information on existence of plantation & additional plantation done(Rule 41)	Within lease- 60 nos saplings	1. Within lease- 75 2. Outside Lease- 225	
8g	Survival rate	Nil	97%	
8h	Water sprinkling on roads to control airborne dust	Water Sprinkling on Haul Road were proposed.	Water sprinkling by water tanker over haul roads has been carried out.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Lessee has planted 75 no of sapling within and along the lease boundary, 225 no of saplings outside the lease area and carried out water sprinkling inside the mine over haul roads to minimize the fugitive dust emmission. This sustains the asthetic beauty of the mine area.		

Compliance of Rule 45				
S.N.	Item	Comments		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return submitted upto	July 2019 as on date of inspection	
		Annual Return submitted upto	2018-2019 as on date of inspection	
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	1. M. K. Jain- Mines Manager. 2. M. K. Jain- Mining Engineer.	Mines manager cum mining engineer was present during the inspection. Geologist of the mine has resigned on 30.11.2018. presently no geologist is working in the mine. A violation letter was issued in this regard on 20.08.2019	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 2.420 Ha. Dump: 0.447 Ha Roads & etc: 0.188 Ha	Pit: 2.420 Ha. Dump: 0.447 Ha Roads & etc: 0.188 Ha	
9d	Scrutiny of Annual return on afforestation	11. Within Lease- 75 Nos. CUM- 2000 nos. 2. Outside Lease- 225 Nos. CUM- 1968 Nos.	11. Within Lease- 75 Nos. CUM- 2000 nos. 2. Outside Lease- 225 Nos. CUM- 1968 Nos.	Annual PMCP report has not submitted till date of inspection.
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	Opening Stock- Nil Production- 225870.00 MT. Dispatch- 225870.00 MT. Closing Stock- Nil. There is no separate stock for graded ore	Opening Stock- Nil Production- 225870.00 MT. Dispatch- 225870.00 MT. Closing Stock- Nil. There is no separate stock for graded ore	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine Price- 248.12	Cross checked from the returns and found it to be correct	
9i	Scrutiny of Annual return on fixed assets	Rs. 1142645/-	Verified with Asset register during inspection & found it to be correct.	
9k	Scrutiny of Annual return on mining machineries	1) Back Hoe ----02 2) Air compressor ---02 3) Rock drill - 01 4) Dumper -----08 5) Dozer -----01 6) Water Tanker ---01	Verified from submitted annual machinery statement; 1) Back Hoe ----02 2) Air compressor ---02 3) Rock drill - 01 4) Dumper -----08 5) Dozer -----01 6) Water Tanker ---01	

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

Violations under rule 11(1), 26 (2), 33, 35 (2) and 55 of MCDR 2017 were pointed out and violation letter has been issued to the lessee on 20.08.2017. Lessee has complied the earlier show cause under rule 11(1), 32 (1) (a) & 32 (5) (b) 26(2) of vide letter dated 11.12.2018.

S. K. S.
17/09/2019

Name of inspecting officer with designation and date