

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

Guwahati Regional office

Mine code : 38MEG03012

Mine file No : IBM/GHY/MEG/JNH/LST-10

Date of Inspection: 14.08.2019

General

S.N.	Particulars	
1	Name of the Mine	Larung Limestone Mine
2	Total Lease Area(Ha) with breakup of Non-forest and forest land	Non Forest- 4.76 Ha. , Forest Land- 0.00 Ha.
3	Mine code	38MEG03012
4	IBM Registration Number under rule 45 of MCDR , 1988	IBM/7082/2011
5	Name of the lessee,Address,phone, email and fax number	M/s. JUD Cements Limited
6	Village	Wahiajer
7	Elaka	Narpuh
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	09.01.2008
15	Date of Execution	22.06.2009
16	Date of opening of Mine	
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 Adarsh Junjhunwala (Managing Director) , M/S JUD Cements Ltd. Anil Plaza, 4th Floor (B-1) Near ABC, Bhangagarh, G.S Road, Ghuwahati- 781005. Ph. No- 03612464385, Email : cmd@bestcement.co.in
21	Name of the Mine agent with Address, phone, email, fax number and date of appointment	Sri V.N. Sharma, M/S JUD Cements Ltd., Vill- Wahiajer, Elaka- Narpuh, PO- Lumshnong, East Jaintia Hills, Meghalaya., Pin- 793210 (Till date notice of appointment in Form-H not submitted to the compitent authority)
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment	Shri Sanjay Baghamar, M/S JUD Cements Ltd., Vill- Wahiajer, Elaka- Narpuh, PO- Lumshnong, East Jaintia Hills, Meghalaya. , Pin- 793210, Date of Appointment- 21.03.2016 (Shri Sanjay Baghamar has wrote a letter to this office that, he has discontinued his service 31.07.2019)
23	Name of the Mining Engineer , Qualification and total experience with Address , phone, email, fax number and date of appointment in mine	Shri Sanjay Baghamar, M/S JUD Cements Ltd., Vill- Wahiajer, Elaka- Narpuh, PO- Lumshnong, East Jaintia Hills, Meghalaya. , Pin- 793210, Date of Appointment- 21.03.2016 (Shri Sanjay Baghamar has wrote a letter to this office that, he has discontinued his servi : 31.07.2019)
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	Nil
25	Date of Approaval of Mining plan/Modified Mining plan with five year period & specific condition in approaval letter, if any	Letter No- 314(3)/2008-MCCM(CZ)/MP-8/1098, Date: 04.10.2008
26	Date of Approaval of Scheme of Mining/Modified Scheme of Mining with five year period & specific condition in approaval letter, if any	Letter No- IBM/GHY/MEG/JNH/LST/MS-33, Date: 09/09/2016 for the period 2015-16 to 2019-20
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Mnual)	A- Fully Mechanised
30	Captive/Non Captive	Captive

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 provided)

Exploration

S.N.	Items	Proposals	Actual work	Remarks
1a	Backlog of previous year	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 01.04.2019		2691240 tons	
1f	General remarks of inspecting officer on geology, exploration etc.	Entire lease area of 4.76 Ha. has been explored under G1 category		

Development

S.N.	Items	Proposals	Actual work	Remarks
2a	Location of development w.r.t lease area	Western and central part of the pit; Location: N3500-N3600, E3000-E3200	Eastern side of the pit; Location: N3550-N3650, E3050-E3250	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	1-OB, 6- Ore	1-OB, 6- Ore	
2c	Stripping ratio or ore to OB ratio	1:0.0	1:0.0	
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.	Lessee has not carried out the pit development and pit configuration as per the proposal furnished in the approved document. 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	363361.01 Tons	168760.50 Tons	
3c	Recovery of salable/usable mineral from ROM production	363361.01 Tons	168760.50 Tons	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Mineral rejects- Nil, Threshold value: 34% CaO & >6% MgO	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 110 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 110 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-PC 200 (Backhoe), Dumper- 20 ton	Yes, Shovel and Dumper combination. L&T-PC 200 (Backhoe), Dumper- 20 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	4.13 Ha.	4.13 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.0	1:0.0	
3o	Total area put in use under different heads at the end of year	Pit- 4.13 Ha.	Pit- 4.13 Ha.	

Production of ROM mineral during last five year, as applicable		1017678.595 Tons	
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. 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)	N/A	Nil	
4b	Location of topsoil , OB & mineral reject dumps	Nil	Nil	
4c	Number of dumps within lease area and outside lease area	Nil	Nil	No proposal for generation of OB/IB and its dumping.
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	There is no waste dump within the ML area. There was no proposal for generation of waste during the reporting year.		

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	No proposal of backfilling in the mine pit.	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	No proposal of backfilling in the mine pit. Till date mine pit has not been saturated for backfilling.		

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 competent authority	
6b	Management of worked /mined out benches available for rehabilitation (ha) i)Area 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	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) NA ii) Nil iii) NA iv) NA v) Nil	i) NA ii) Nil iii) NA iv) NA v) Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated(ha) iii) Method of rehabilitation	i) 150 nos saplings in out side of the ML boundary . ii) 0.12 Ha iii) Nil	i) 100 nos saplings out side the ML area ii) 0.08 Ha 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 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.		

Conservation

	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	No top soil within the lease area
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden , waste rock , rejects and fines(Rule 33)	Nil	Nil	
8d	Use of overburden , waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration , reclamation and rehabilitation of lands affected by mining operations(pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation & additional plantation done(Rule 41)	Yes, proposed for plantation of 150 nos saplings covering an area of 0.12 ha. out side of the ML area.	Yes, 100 nos saplings planted during 2018-19, outside lease area	
8g	Survival rate	Nil	71%	
8h	Water sprinkling on roads to control airborne dust	Water Sprinkling on Haul roads 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 100 no of sapling near to ML area (out side) the lease area and carried out water sprinkling inside the mine over haul roads to minimize the fugitive dust emission. This sustains the aesthetic 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	Submitted upto July' 2019 as per MCDR, 2017
		Annual Return submitted upto	Submitted upto 2018-19 as per MCDR, 2017
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. Sanjay Bhagmar-Mines Manager. 2. Sanjay Bhagmar-Mining Engineer. 3. Champak Nath-Geologist.	Presently no Manger , Mining engineer and Geologist are working in the mine, a violation in this regard has been issued to the lessee on 20.08.2019
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit :- 4.76 ha	Pit:- 4.13 ha and remaining 0.63 is covered under safety barrier
9d	Scrutiny of Annual return on afforestation	120 nos saplings planted during 2018-19, outside lease area	100 nos saplings planted during 2018-19, outside lease area
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- 34060.200 tons Production- 164661 tons Dispatch- 168760.50 tons Closing Stock- 29960.70 tons There is no separate stock for graded ore	Opening Stock- 34060.200 tons Production- 164661 tons Dispatch- 168760.50 tons Closing Stock- 29960.70 tons There is no separate stock for graded ore
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine Price- 233.00	Cross checked from the returns found it to be correct
9j	Scrutiny of Annual return on fixed assets	Rs.- 1410965784	Verified with Asset register during inspection & found it to be correct.
9k	Scrutiny of Annual return on mining machineries	1) Back Hoe ----01 2) Back Hoe - 02(PC 200) 3) Air compressor ---02 4) Blast host drill - 02 5) Dumper -----05 6) Dozer -----01	Verified from submitted annual machinery statement; 1) Back Hoe ----01 2) Back Hoe - 02(PC 200) 3) Air compressor ---02 4) Blast host drill - 02 5) Dumper -----05 6) Dozer -----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 were pointed out and violation letter has been issued to the lessee on 20.08.2019. The lessee has complied the earlier violations and subsequent showcause under rules 11(1), 26(2), 32(1)(a) and 32(5)(b) of MCDR 2017, vide letter dated 29.10.2018 and 07.01.2019 respectively


 Name of inspecting officer with designation and date