

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

Mine file No : IBM/GHY/ASM/NCH/LST-2

Date of Inspection: 22.10.2019

Mine code : 38ASM08003

General

S.N.	Particulars	
1	Name of the Mine	New Umrangshu Limestone Mine
2	Total Lease Area(Ha) with breakup of Non-forest and forest land	35.00 hectares (Non Forest)
3	Mine code	38ASM08003
4	IBM Registration Number under rule 45 of MCDR , 1988	IBM/6738/2011
5	Name of the lessee,Address,phone, email and fax number	NECEM Cements Ltd., Housing Colony Road, Rukmini Nagar, Dispur,Guwahat-781006
6	Village.	New Umrangshu
7	Taluka/Mandal	Umrangshu
8	District	Dima Hasao
9	Pincode	788931
10	State	Assam
11	Post office	Umrangshu
12	Nearest police station	Umrangshu
13	Nearest Railway station	Lanka
14	Date of Grant of Mining Lease	16.08.1985
15	Date of Execution	06.01.1986
16	Date of opening of Mine	06.01.1986
17	Date of first Renewal , if applicable and its period & expiry	Applied for renewal of Mining Lease.
18	Date of second Renewal , if applicable and its period & expiry	NA
19	Date of submission of Renewal application if Mining operations are continuing under deemed extension	26.06.2005
20	Name of the Nominated owner with Address, phone, email,fax number and date of appointment	Shri Navneet Agarwal, Housing Colony Road, Rukmini Nagar, Dispur,Guwahat-781006, Phone:- 0361-2261814, E-mail:- necemcements@gmail.com
21	Name of the Mine agent with Address, phone, email,fax number and date of appointment	Shri Navneet Agarwal, Housing Colony Road, Rukmini Nagar, Dispur,Guwahat-781006, Phone:- 0361-2261814, E-mail:- necemcements@gmail.com
22	Name of the Mines Manager with Address, phone, email,fax number and date of appointment	Not available presently. A violation letter in this regard has been issued to the lessee on dtd. 25.10.2019.
23	Name of the Mining Engineer , Qualification and total experience with Address , phone, email, fax number and date of appointment in mine	Not available presently. A violation letter in this regard has been issued to the lessee on dtd. 25.10.2019.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	Not available presently. A violation letter in this regard has been issued to the lessee on dtd. 25.10.2019.
25	Date of Approaval of Mining plan/Modified Mining plan with five year period & specific condition in approaval letter, if any	Nil
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/AS/DH/LST/MP-59 Dt. 22-11-2016
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	Open Cast
29	Category (Fully Mechanised, Others or Mnuual)	Mechanised
30	Captive/Non Captive	Captive (presently used by subsidiary plants)

Scientific Mining : Compliance of proposals of approved mining plan/scheme of mming (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	12	Nil	Not carried out as per the proposal
1b	Exploration over lease area for Geological axis 1 or 2	12	Nil	Not carried out as per the proposal during the reporting year
1c	Exploration Agency & Expenditure in lakh Rupees during the year		Nil	Not carried out as per the proposal
1d	Balance area to be explored to bring Geological axis in 1 or 2	17.84 Ha.	17.84 Ha.	No exploration has been carried out in the reporting year
1e	Balance reserves as on 01.04.2019		9.60 Million Tons	
1f	General remarks of inspecting officer on geology, exploration etc.	The lessee has not carried out the proposed exploration during the reporting year. A violation letter has been issued to the lessee on 25.10.2019 in this regard. However, the lessee has carried out mining operation on the basis of interim order of Honorable High Court Guwahati.		

Development

S.N.	Items	Proposals	Actual work	Remarks
2a	Location of development w.r.t lease area	Central part of the Pit. Location: 270 N- 340N, 250 E-570E	Only 11369.20 tons has been produced from the proposed 83428 tons within the said proposed location.	Very less, i.e about 14% achieved from the proposal. The lessee has carried out mining operation on the basis of interim order of Honorable High Court Guwahati.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	OB-2 bench, Ore-5 Bench	OB-2 bench, Ore-5 Bench	
2c	Stripping ratio or ore to OB ratio	1:0.41	1:0.39	
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	13224	1760	
2f	General remarks of inspecting officer on development of pit w.r.t type of deposit etc.	The lessee has not achieved the proposed production during the reporting year and the achievement is about 14% of the proposal. A violation letter has been issued to the lessee on 25.10.2019 in this regard. However, the lessee has carried out mining operation on the basis of interim order of Honorable High Court Guwahati.		

Exploitation

S.N.	Items	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	83428 tons	11369.200 tons	Production is very less, i.e about 14% achieved from the proposal. The lessee has carried out mining operation on the basis of interim order of Honorable High Court Guwahati.
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 threshold value declared	Nil, 34% CaO, 4% MgO	Nil, 34% CaO, 4% MgO	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	NA	NA	
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 115 mm dia. Drills. Blasting proposed with LD explosives of 25mm dia. & 83mm dia. with detonating cord & milli second delay detonators.	Yes, carried out but the production is very less, accordingly drilling and blasting is also very less.	Production is very less, i.e about 14% achieved from the proposal. The lessee has carried out mining operation on the basis of interim order of Honorable High Court Guwahati.
3k	Provision of mining machineries in mineral benches	Yes, Shovel and Dumper combination. L&T-210 (Shovel), Hyva- 20 ton	Yes, Shovel and Dumper combination. L&T-210 (Shovel), Hyva- 20 ton	Production is very less, i.e about 14% achieved from the proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes suitably proposed, 6/6 mtr	Yes carried out by 6/6 mtr	Production is very less, i.e about 14% achieved from the proposal.

3m	Total area covered under excavation / pits	4.932 Ha.	4.932 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.41	1:0.39	
3o	Total area put in use under different heads at the end of year	Pit = 4.932 ha OB Dump = 1.340 ha Road = 0.910 ha Infrastructure = 0.050 ha = 6.280 ha (existing) Total = 12.602 ha	Pits = 4.932 ha Waste dump= 1.340 ha. Road = 0.910 ha. Infrastructure = 0.050 ha Plantation = 6.280 ha (existing) Total = 12.602 ha	
3p	Production of ROM mineral during last five year, as applicable	2014-15 = Nil 2015-16 = 17986.85 2016-17 = 11301.97 2017-18 = 28043.320 2018-19 = 11369.200	2014-15 = Nil 2015-16 = 17986.85 2016-17 = 11301.97 2017-18 = 28043.320 2018-19 = 11369.200	
3q	General remarks of inspecting officer on method of mining etc	The lessee has not achieved the proposed production during the reporting year and the achievement is about 14% of the proposal. A violation letter has been issued to the lessee on 25.10.2019 in this regard. However, the lessee has carried out mining operation on the basis of interim order of Honorable High Court Guwahati.		

Solid Waste Management- Dumping

S.N.	Items	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject(Rule 32, 33)	No top soil, OB separately dumped within the ML area	No top soil generation, generated OB dumped over the existing OB dump	
4b	Location of topsoil , OB & mineral reject dumps	1 no OB Dump, Location: 130 N- 170N, 230 E-600E	1 no OB Dump, Location: 130 N- 170N, 230 E-600E	
4c	Number of dumps within lease area and outside lease area	1 no dump within the lease area	1 no dump within the lease area	
4d	Location of dumps w.r.t ultimate pit limit (Rule 16)	1 no of dump outside of the UPL as per the present exploration	1 no of dump outside of the UPL as per the present exploration	
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	Yes, 100 mtr garland drain and retaining wall both were proposed	Nil	Not carried out the proposal during the reporting year.
4i	Length of Retaining wall or garland drain all along dump	Yes, 100 mtr garland drain and retaining wall both were proposed	Nil	Not carried out the proposal during the reporting year.
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	The lessee could not achieved the proposal during the reporting year. Achievement of the propduction proposal is about 14%. However, the lessee has carried out mining operation on the basis of interim order of Honorable High Court Guwahati.		

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	There is no scope for backfilling & reclamation during the reporting year. However the mining operation is carried out in the lease area based on the entrim order of Honorable High court Guwahati, Assam.		

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	Not submitted for the year 2018-19	A violation letter in this regard has been issued to the lessee on dtd. 25.10.2019.
6b	Management of worked /mined out benches 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) Area i) NA ii) NA ii) NA iv) NA v) Nil vi) NA	i) NA ii) NA ii) NA iv) NA Nil vi) NA	v)

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 Rehabilitation by making water reservoir other specific means	iv) Any v) Any	i) NA ii) Nil iii) NA iv) NA v) Nil	ii) NA iii) Nil iv) NA v) Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated(ha) iii) Method of rehabilitation	i) ii) 0.25 ha. plantation along safety barrier iii) plantation along safety barrier		i) 200 nos saplings out side ML area ii) 0.20 ha iii) 200 nos saplings out side ML area	Not carried out in the safety barrier area.
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 during the reporting year.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations.	The lessee has partially carried out afforestation 9out side of the ML area during the reporting year. The mining operation is carried out in the lease area based on the entrim order of Honorable High court Guwahati, Assam.			

Mineral Conservation

S.N.	Items	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM will be directly dispatched from the mine site	Produced ROM has directly deispached from the mine site	
7b	Method of grade -wise mineral sorting i.e manual or mechanical	Mechanical	Mechanical	
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. A violation letter under Rule 26 (2) of MCDR 2017 has been issued to the lessee on dtd. 25.10.2019. However the mining operation is carried out in the lease area based on the entrim order of Honorable High court Guwahati, Assam.		

Environment

S.N.	Items	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Topsoil	No Topsoil	
8b	Concurrent use or storage of topsoil	NA	NA	
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	NA	NA	
8e	Phased restoration , reclamation and rehabilitation of lands affected by mining operations(pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done(Rule 41)	0.25 ha.	Nil within the lease area, 200 saplings planted out side the ML area	
8g	Survival rate	Nil	85% out side ML area	
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 200 no of sapling out side 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.		

pliance of Rule 45

S.N.	Item	Comments		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return submitted upto	Nov-19	
		Annual Return submitted upto	2018-19	
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. Lohit Chandra Nath- Mines Manager. 2. P.K. Singh - Mining Engineer. 3. D. K. Phukan- Geologist.	Presently not available. A violation letter in this regard has been issued to the lessee on dtd. 25.10.2019.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not furnished	Pits = 4.932 ha. Waste dump= 1.340 ha. Road = 0.910 ha. Infrastructure = 0.050 ha. Plantation = 6.280 ha (existing) Total = 12.602 ha	
9d	Scrutiny of Annual return on afforestation	Saplings:- 1. Within lease- Nil 2. Outside Lease- 0.20 ha., 200 saplings Survival rate 1. within Lease - Nil 2. Outside Lease -85.00%	Saplings:- 1. Within lease- Nil 2. Outside Lease- 0.20 ha., 200 saplings Survival rate 1. within Lease - Nil 2. Outside Lease -85.00%	
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- 11369.2 MT. Dispatch- 11369.2 MT. Closing Stock- Nil There is no separate stock for graded ore	Opening Stock- Nil Production- 11369.2 MT. Dispatch- 11369.2 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- 338.00	Cross checked from the returns found it to be correct	
9j	Scrutiny of Annual return on fixed assets	Not furnished	Not furnished	
9k	Scrutiny of Annual return on mining machineries	1) Dipper Shovel ----01 2) Dumper -----04 3) Air compressor ---01 4) Blast host drill - 01	1) Dipper Shovel ----01 2) Dumper -----04 3) Air compressor ---01 4) Blast host drill - 01	

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

Violations under rules 11(1), 26(2), 27(2), 33, 35(2) and 55 were pointed out and violation letter has been issued to the lessee on 25.10.2019. Violation followed by show-cause letter by this office on dated 22.01.2018 has been issued, in compliance of the same the lessee has submitted modified review of mining plan for its approval. The modification of RoMP was not approved vide letter dated 23.08.2018 on the basis of letter issued by Govt. of Assam. The lessee has approached to the Hon'ble High Court, Guwahati and the court has given an interim order to the lessee to continue the mining operation paying usual royalty and dues.


 Name of inspecting officer with designation and date
 19/12/2019