

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

Mine file No : MCDR-MiFLOLST/6/2023-GUH-IBM_RO_GUH

Mine code : 38ASM299001

Date of Inspection: : 27/12/2024

General

S.N.	Particulars	
1	Name of the Mine: Date of Inspection: Name of Inspecting Officer: Official Accompany:	New Umrangshu Limestone Mine 27.12.2024 Shri Krishnadev Kumar, ACOM 1. Shri Anilkumar K Ganapurapuwar, DGM(Mines), 2. Shri Dulumoni Talukdar, Manager(Geology) & 3. Shri Pramish Chandra Saha, Dy. Manager(Surveyour).
2	Total Lease Area(Ha) with breakup of Non-forest and forest land	
3	Mine code	38ASM299001
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/21905/2017
5	Name of the lessee, Address, phone, email and fax number	M/s Dalmia Cement (North East) Limited, New Umrangshu, Jamunanagar, Umrangso, Dima Hasao, Assam-788931 Mobile No: 8811028649 email: ganapurapuwar.anilkumar@dalmiacement.com
6	Village	Umrangshu
7	Taluka/Mandal	Amri Mauza
8	District	Dima Hasao
9	Pin Code	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	27.11.1992
15	Date of Execution	27.11.1992
16	Date of opening of Mine	20.07.2021
17	Date of first Renewal, if applicable and its period & expiry	18.10.2018 (for the period of 30 years i.e. 26.11.2042)
18	Date of second Renewal, if applicable and its period & expiry	-
19	Date of submission of Renewal application if Mining operations are continuing under deemed extension	19.05.2011
20	Name of the Nominated owner with Address, phone, email, fax number and date of appointment	Shri Ganesh Wamanrao Jirkuntwar M/s Dalmia Cement (North East) Limited 16 kilo, Umrangso, Dima Hasao Dist., Assam-788931 Email: jirkuntwar.ganesh@dalmiacement.com Date of Appointment: 25/09/2022
21	Name of the Mine agent with Address, phone, email, fax number and date of appointment	Shri Ambuj Srivastava M/s Dalmia Cement (North East) Limited 16 kilo, Umrangso, Dima Hasao Dist., Assam-788931. Email: srivastava.ambuj1@dalmiabharat.com Mobile No: 9824442179 Date of Appointment: 07.08.2023
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment	Shri Anilkumar K Ganapurapuwar M/s Dalmia Cement (North East) Limited 16 kilo, Umrangso, Dima Hasao Dist., Assam-788931. Email: ganapurapuwar.anilkumar@dalmiacement.com Mobile No: 8247671958 Appointment Date: 19.05.2023
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Anilkumar K Ganapurapuwar M/s Dalmia Cement (North East) Limited 16 kilo, Umrangso, Dima Hasao Dist., Assam-788931. Email: ganapurapuwar.anilkumar@dalmiacement.com Mobile No: 8247671958 Appointment Date: 19.05.2023
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	Shri Dulumoni Talukdar M.Sc Geology, 16 Years, M/s Dalmia Cement (North East) Limited 16 kilo, Umrangso, Dima Hasao Dist., Assam-788931. Mobile No: 7099035706 ; Email : talukdar.dulumoni@dalmiacement.com Date of Apointment : 11.03.2024
25	Date of Approval of Mining plan/Modified Mining plan with five year period & specific condition in approval letter, if any	1. Mining Plan - Approved letter no 314(3)/2011-MCCM(CZ)/MP-28; dated 10.04.2012 for the period (2012-13 to 2016-17) 2. Review of Mining Plan - Approved letter no IBM/GHY/ASM/NCH/LST/MP-49; dated 02.02.2017 for the period (2017-18 to 2021-22). 3. Modification of Mining Plan - Approved letter no -IBM/GHY/ASM/NCH/LST/MP-49, on dated 22.11.2021 for the period (2022-23 to 2026-27) 4. No: MCDR-MPCP0CaFI/5/2023-GUH-IBM_RO_GUH on dated 18/07/2023 for the period (2023 -24 to 2026 -27)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five year period & specific condition in approval letter, if any	NA
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 Manual)	Fully Mechanised A
30	Captive/Non Captive	Captive

Scientific Mining :**Exploration**

S.N.	Items	Proposals	Actual work	Remarks
1a	Backlog of previous year			
1b	Exploration over lease area for Geological axis 1 or 2	21 Nos of Boreholes covering 2520 meters	39 No borehole drilled covering 3401 Mtrs	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Holtec India Pvt Ltd. Rs.18060000.00 Cental agency for hired for pan india location of the group.	Rs.16963815.00	
1d	Balance area to be explored to bring Geological axis in 1 or 2	From G3 To G1 - 84.00Ha	From G3 To G1 - 156.00Ha	
1e	Balance reserves as on 01.04.2024	39.21 MnMT	38.32 MnMT	
1f	General remarks of inspecting officer on geology, exploration etc.	From July 23 to February 24 total 39 holes drilled with covering 3401 mtrs.		

Development

S.N.	Items	Proposals	Actual work	Remarks
2a	Location of development w.r.t lease area	E 480152 ToE 480655 N 2823125 To N2823485	E 480100 To E480655 N2823125 To N2823485	
2b	Separate benches in topsoil , overburden and mineral(Rule 15)	Yes	Maintained	
2c	Stripping ratio or ore to OB ratio	1:.023	1:0.59	
2d	Quantity of topsoil generation in m ³	Not Proposed	N/A	
2e	Quantity of overburden generation in m ³	35528.19	534854.5	
2f	General remarks of inspecting officer on development of pit w.r.t type of deposit etc.	During the inspection it has been observed that the pit-2 has been developing stage. Consequently, the estimated quantity of overburden is more.		

Exploitation

S.N.	Items	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	2	2	
3b	Quantity of ROM mineral production proposed	1500010.26	896215.18	
3c	Recovery of salable/ usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NIL	N/A	
3e	Grade of mineral reject generation and threshold value declared	N/A	N/A	
3f	Quantity of sub-grade mineral generation	NIL	N/A	
3g	Grade of sub-grade mineral generation	N/A	N/A	
3h	Manual/Mechanised method adopted for segregating from ROM.	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	N/A	N/A	
3j	Provision of drilling & blasting in mineral benches	Yes; Deep hole drilling dia 115 mm dia.drills . Blasting proposed with nitrate mixed emulsion explosives of 83 mm dia and millisecond delay detonators	Yes ; Deep hole drilling with Atlas capco (D-45) machine (115mm dia) and Blasting operations are carried with nitrate mixed emulsion explosives of 83 mm dia. and millisecond delay detonators	
3k	Provision of mining machineries in mineral benches	Yes; 1.)2.6 cu.m. shovels – 03 nos 2) Rock breaker (0.9 cum/1500 MB) -01 no. 3) 35 MT Tippers -10 Nos. 4) Dozer -170 HP	Yes; 1.)2.6 cu.m. shovels – 03 nos 2) Rock breaker (0.9 cum/1500 MB) -01 no. 3) 35 MT Tippers -14 Nos. 4) Dozer -170 HP	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM.	YES	YES	
3m	Total area covered under excavation / pits	10.55	10.55	
3n	Ore to OB ratio for the pit/mine during the year	1: 0.04	1:1.19	
3o	Total area put in use under different heads at the end of year	Area under Mining 10.55 Roads - 2.07 Dumps- 6.33	Area under Mining 10.55 Roads - 2.07 Dumps- 6.33	
3p	Production of ROM mineral during last five year, as applicable	2023 - 2024 : 1500010.26 T 2022-23 :1502239.4 T 2021-22 : 1500228 T	2023 - 2024 : 896215.18 T 2022-2023: 351894.65 T 2021-2022: 127919.5 T	Mines has opened in the month of July'2021
3q	General remarks of inspecting officer on method of mining etc	During the inspection it has been observed that the pit-2 has been developing stage. So, the quantity of Overburden is more handling than the Mineral ROM. And also during the coarse of inspection observed that the construction of the crusher is currently underway on the south-western side near boundary pillar B in the lease area. In this regard, a violation has been issued in accordance with rule 11(1) of the MCDR-2017 during the current inspection.		

Solid Waste Management- Dumping

S.N.	Items	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Nil	N/A	No top soil is generated
4b	Location of topsoil , OB & mineral reject dumps	E 479435.0 - E 479606.0 N 2823566.0 - N 2823600.0	E 479470.0 - E 479630.0 N 2823500.0 - N 2823650.0	Deviation observed in dumping.Violation letter already has been issued.
4c	Number of dumps within lease area and outside lease area	1 (WML)	1 (WML)	
4d	Location of dumps w.r.t ultimate pit limit (Rule 16)	E 479435.0 - E 479606.0 N 2823566.0 - N 2823600.0	E 479470.0 - E 479630.0 N 2823500.0 - N 2823650.0	
4e	Number of active & alive dumps	1 No of Active Dump	1 No of Active Dump	
4f	Number of dead dumps	NIL	NIL	
4g	Number of dumps stabilized	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dump	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dump	240 m	Constructed 240 m	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	Dumping has not been done as per the approved Mining Plan. Sperate violation letter issued under rule 37(2) of MCDR-2017 in the current inspection.		

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	N/A	
5b	Area under backfilling of mined out area	NIL	N/A	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	NIL	N/A	
5d	Total area fully reclaimed & rehabilitated	NIL	N/A	
5e	General remarks of inspecting officer on backfilling , reclamation etc	Mine is in development stage and has not exploited the minerals yet. Therefore backfilling is not proposed in the mine.		

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	Proposed i) Plantation - 750 Nos ii) Area proposed for Plantation - 0.5 Ha iii) Retaining wall - 240 m	Submitted on : i) Plantation - 300 Nos ii) Area utilised for Plantation - 0.50 Ha iii) Retaining wall - 240 m	poor of survival rate violation has been issued.
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	NA	N/A	Mine is in development stage and has not exploited the minerals yet. Therefore no proposals for worked out benches.
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	Not Proposed	N/A	Mine is in development stage and has not exploited the minerals yet. Therefore no proposals for reclamation and rehabilitation
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not Proposed	N/A	Mine is in development stage and has not exploited the minerals yet. Therefore no proposals for reclamation and rehabilitation.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	1. Ambient air quality test (core - 4 locations) & Buffer (3locations) 2. Ambient Noise Level test 10 locations 3. Raw water Analysis 2 locations 4. Drinking water test - 3 locations (Quarterly monitoring by third party)	1. Ambient air quality test (core - 4 locations) & Buffer (3locations) 2. Ambient Noise Level test 10 locations 3. Raw water Analysis 2 locations 4. Drinking water test - 3 locations (Quarterly monitoring by third party)	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	A violation letter was issued following an inspection that revealed insufficient plantation. A retaining wall was observed during the inspection		

Mineral Conservation

S.N.	Items	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch to Captive Plant	ROM dispatch to Captive Plant	
7b	Method of grade -wise mineral sorting i.e manual or mechanical	NA	NA	
7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation process at mines	NO	NO	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mine is in development stage and has not exploited the minerals yet. Therefore no proposals for reclamation and rehabilitation.		

Environment

S.N.	Items	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	Nil	No top soil was generated in the finacial year.
8b	Concurrent use or storage of topsoil	Yes, proposed	Nil	
8c	Separate dumps for overburden , waste rock , rejects and fines (Rule 33)	Separate OB dumps.	Separate OB dumps.	
8d	Use of overburden , waste rock, rejects and fines dumps for restoring the land to its original use.	Not Proposed	N/A	
8e	Phased restoration , reclamation and rehabilitation of lands affected by mining operations (pits, dumps etc.)	Not Proposed	N/A	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Plantation WML 750	Planted 300 nos. of Sapling WML	poor survival rate.
8g	Survival rate	90%	40.00%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	A violation letter was issued in the current inspection, which revealed a concerning survival rate of the saplings i.e. 40% survival rate noted during the coarse of inspection.		

Compliance of Rule 45

S.N.	Item	Comments		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly retruns submitted upto	Monthly Return has submitted before 10th of every month upto November'2024.	
		Annual retruns submitted upto	Submitted for 2023-24 on 24th June' 2024.	
S.N	Item	Details Given in Annaul Return	Observation of I/Officer	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer & Manager: Anilkumar K Ganapurapuwar Geologist: Dulumoni Talukdar	Mining Engineer & Manager: Anilkumar K Ganapurapuwar Geologist: Dulumoni Talukdar	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 10.55 Roads - 2.07 Dumps- 6.33	Pit: 10.55 Roads - 2.07 Dumps- 6.33	
9d	Scrutiny of Annual return on afforestation	WML: 2420 OML : 1120	WML:only 300 plantation was observed.	Violation letter was issued.
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	Nil	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine Price-337.22	EMP-337.22	
9i	Scrutiny of Annual return on fixed assets	1). Building Industrial: Rs.1,71,91383 Residential: Rs.27,34,700 2) plant machinery: Rs.80,91,515 3) capitalized expenditure: Rs.78,33,66,088 Total: Rs.81,13,83686	1). Building Industrial: Rs.1,71,91383 Residential: Rs.27,34,700 2) plant machinery: Rs.80,91,515 3) capitalized expenditure: Rs.78,33,66,088 Total: Rs.81,13,83686	
9k	Scrutiny of Annual return on mining machineries	1.) 2.6 cu.m. shovels – 03 nos & 3.2 cu.m. shovels-01 no. 2) Rock breaker (0.9 cum/1500 MB) -01 no. 3) 35 MT Tippers -14 Nos. 4) Dozer -170 HP 5) Blast Hole drill 115 mm- 01 no.	1.) 2.6 cu.m. shovels – 03 nos & 3.2 cu.m. shovels-01 no. 2) Rock breaker (0.9 cum/1500 MB) -01 no. 3) 35 MT Tippers -14 Nos. 4) Dozer -170 HP 5) Blast Hole drill 115 mm- 01 no.	

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

Earlier Violation issued was complied & during the current inspection, a violation of rules 11(1), 34A(1), and 37(2) of the MCDR-2017 has been identified

Krishnadev Kumar, ACOM

Name of Inspecting Officer with Designation and Date