

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

Mine file No : MCDR-MiFLOLST/5/2023-GUH-IBM_RO_GUH**Mine code : 38ASM08002****Date of Inspection: 28/12/2024****General**

S.N.	Particulars	
1	Name of the Mine: Date of Inspection: Name of Inspecting Officer: Official Accompany:	Jamunanagar Limestone Mines 28/12/2024 Krishnadev Kumar, ACOM 1. Shri Anilkumar K Ganapurapuwar, DGM(Mines), 2. Shri. K. Gyaneshwar Singh, Mines Manager 3. Shri Suman Gosh, Mining Engineer
2	Total Lease Area(Ha) with breakup of Non-forest and forest land	Total Lease Area 35.0 Ha. Non-Forest Area-35 Ha and Forest Area-Nil.
3	Mine code	38ASM08002
4	IBM Registration Number under rule 45 of MCDR , 1988	IBM/7090/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Vinay Cement Limited (Subsidiary of Dalmia Cement North East Ltd), Vill: Jamunanagar P.O. Umrangso, Dist-Dima Hasao, Assam-788931. Mobile No: 8811018053 email:singh.kg@dalmiacement.com
6	Village	Umrangshu
7	Taluka/Mandal	Umrangso
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	16.08.1985
15	Date of Execution	11.01.1986
16	Date of opening of Mine	29.01.1991
17	Date of first Renewal , if applicable and its period & expiry	11.01.2006 (Expiry 10.01.2036)
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	NA
20	Name of the Nominated owner with Address, phone, email, fax number and date of appointment	Shri Ganesh Wamanrao Jirkuntwar Vinay Cement Limited (Subsidiary of Dalmia Cement North East Ltd) 16 kilo, Janunanagar ,Umrangso, Dima Hasao Dist., Assam-788931 Email: jirkuntwar.ganesh@dalmiacement.com Mob: 9437562271 Date of Appointment: 25/09/2021
21	Name of the Mine agent with Address, phone, email, fax number and date of appointment	Shri Ambuj Srivastava Vinay Cement Limited (Subsidiary of Dalmia Cement North East Ltd) 16 kilo, Janunanagar ,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. K. Gyaneshwar Singh, Vinay Cement Limited (Subsidiary of Dalmia Cement North East Ltd) Jamunanagar, Umrangso, Assam-788931, Ph-8811018053 Email: singh.kg@dalmiacement.com Date of appointment : 30-08-2013
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Suman Ghosh Vinay Cement Limited (Subsidiary of Dalmia Cement North East Ltd) Jamunanagar, Umrangso, Assam-788931, Email: ghosh.suman1@dalmiacement.com Mobile No:7099001938 Appointment Date: 04/10/2024
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	Shri Punit Lal Mahto M.Sc Geology , 17 years, Vinay Cement Limited (Subsidiary of Dalmia Cement North East Ltd) 16 kilo, Janunanagar ,Umrangso, Dima Hasao Dist., Assam-788931. Mobile No: 9560113188 ; Email :mahto.punit@dalmiacement.com Date of Apointment : 15.11.2021
25	Date of Approval of Mining plan/Modified Mining plan with five year period & specific condition in approval letter, if any	Modification of Mining Plan approved on 06.02.2024, letter no: MCDR-MPCP0MPAS/3/2023-GUH-IBM_RO_GUH

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(Opencast, 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	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2	Nil	Nil	Entire ML area is explored in G1 level.
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 01.04.2024	4.85 MnMT		
1f	General remarks of inspecting officer on geology, exploration etc.	No proposal for drilling during the year 2023-24 as Entire mining lease area is explored in G1 level.		

Development

S.N.	Items	Proposals	Actual work	Remarks
2a	Location of development w.r.t lease area	E 478433 To E 478915 N 2822300 To N 2822660	E 478433 To E 478915 N 2822300 To N 2822660	
2b	Separate benches in topsoil , overburden and mineral(Rule 15)	Yes	Separate Benches in Ore and OB is maintained.	Top soil is not avialble within he mine as of now.
2c	Stripping ratio or ore to OB ratio	1: 0.17	1:0.11	Mining Plan has been modified for the Year 2024-25 & 2025-26
2d	Quantity of topsoil generation in m ³	Not Proposed	N/A	
2e	Quantity of overburden generation in m ³	250851.11	96780.00	
2f	General remarks of inspecting officer on development of pit w.r.t type of deposit etc.	The deposit is being mined by opencast mechanised method of mining. Pit dimension is 616m X 482m. The mine is being operated by open cast mechanised method by adopting deep hole drilling and blasting in combination with deployment of excavators and tipper.		

Exploitation

S.N.	Items	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	1492981.20	919787.50	
3c	Recovery of salable/ usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Not proposed	N/A	
3e	Grade of mineral reject generation and threshold value declared	N/A	N/A	
3f	Quantity of sub-grade mineral generation	Not proposed	N/A	
3g	Grade of sub-grade mineral generation	N/A	N/A	
3h	Manual/Mechanised method adopted for segregating from ROM.	No proposal of seggregation is approved.	Nil	No Seggregation is warranted as recovery of salable ore from ROM is 100%
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	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, 2.2 & 3.2 cu.m. shovels – 01 nos (each) 2) Front End Loader (2.1 cu.m) -01 no. 3) 35 MT Tippers -7 Nos. 4) Dozer -160 HP 5) Blast Hole Drill (115 MM)-01 no.	Yes; 1.)2.6, 2.2 & 3.2 cu.m. shovels – 01 nos (each) 2) Front End Loader (2.1 cu.m) -01 no. 3) 35 MT Tippers -7 Nos. 4) Dozer -160 HP 5) Blast Hole Drill (115 MM)-01 no.	Mechanised Mining with the combination of deep hole drilling and blasting.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM.	Suitable.	Boom height of excavator is suitable for the bench height of OB and mineral.	
3m	Total area covered under excavation / pits	23.87	23.87	
3n	Ore to OB ratio for the pit/mine during the year	1: 0.17	1:0.11	
3o	Total area put in use under different heads at the end of year	Area under Mining 23.87 Roads - 0.11 Dumps- 7.44	Area under Mining 23.87 Roads - 0.11 Dumps- 7.44	
3p	Production of ROM mineral during last five year, as applicable	2023 - 24 : 1492981.20 T 2022-23 :1492899.71 T 2021-22 : 1497474.72 T 2020 -21 : 2097875.0 T 2019 - 20 : 2098091.0 T	2023 - 24 : 919787.50 T 2022-23 :1269326.36 T 2021-22 : 1492454.22 T 2020 -21 : 1421216.28 T 2019 - 20 : 1435432.07 T	
3q	General remarks of inspecting officer on method of mining etc	The Plan has been Modified vide No. MCDR-MPCP0MPAS/3/2023-GUH-IBM_RO_GUH dated 06.02.2024 for Proposed reduction in production due to Geological Disturbances in the North-Western, Northern And North-Eastern part of the Lease for the Year 2024-25 & 2025-26.		

Solid Waste Management- Dumping

S.N.	Items	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not proposed No Mineral rejects. To Maintain separate OB dumps.	No top soil. No Mineral rejects.	The OB is back filled.
4b	Location of topsoil , OB & mineral reject dumps	Location of dump (E 478453.0 - E 478915.0 N 2821967.0 - N 2822290.0)	Location of dump (E 478453.0 - E 478915.0 N 2821967.0 - N 2822290.0)	
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 478453.0 - E 478915.0 N 2821967.0 - N 2822290.0	E 478453.0 - E 478915.0 N 2821967.0 - N 2822290.0	
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	Maintainance	Maintainance	
4j	Number of settling ponds	1	1	
4k	Specific comments of inspecting officer on waste dump management	violation letter has already been issued in earlier inspection carried out by SMG on 28.11.2023 i.e. Waste dumping has not been carried out in terraced manner in south part of the waste dump. In this regard, violation has already been complied.		

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	Yes		
5b	Area under backfilling of mined out area	2023-24 (Back filling of 3.754 Ha mined out area by 147964.30 m3 waste).	2023-24, Back filling of 1.07 Ha. Ha mined out area has been done by 96780 m3 waste	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Not proposed	N/A	
5d	Total area fully reclaimed & rehabilitated	Not proposed	N/A	
5e	General remarks of inspecting officer on backfilling , reclamation etc	The generated waste material is being backfilled. In Year 2023-24, Back filling of 1.07 Ha mined out area has been done by 96780 m3 generated waste.		

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	Submitted on 22nd June 2024.	

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	i) No such proposal approved. such proposal approved. proposal approved. approved. v)No such proposal vi)No such proposal approve	ii) No iii) No such iv)No such proposal v)No such proposal vi)No such proposal approve	i) no rehabilitation of mined carried out in benches. ii) Nil iii) Nil iv)Nil. v)Nil vi)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	i) 147964.30 m3 voids availale backfilling ii) 147964.30 m3 voids to be filled by backfilling iii) No such proposal approved iv)No such proposal approved v)No such proposal approved		i)96780 m3 voids backfilled ii) 96780 m3 voids backfilled iii) No such proposal approved iv)No such proposal approved v)No such proposal approved	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) Afforestation - 0.2 Ha.		i) Afforestation - 0.47 Ha.	Lessee has planted in 7.5 m safety barrier zone.
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.	Environmental monitoring is being done quarterly.All the parameters are within permissible limits.
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Lessee has utilised 96780 m3 waste for backfilling.			

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	Not proposed	NA	
7c	Different grade of mineral sorted out at mines	Not proposed	NA	
7d	Any beneficiation process at mines	NO	NO	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Cement Grade Limestone is directly usable in cement plant.No beneficiaion is carried out.		

Environment

S.N.	Items	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	NA	
8b	Concurrent use or storage of topsoil	Not proposed	NA	
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.	Yes	Yes	Backfilling is being done.
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)	300 plants	Planted 870 nos of plants	
8g	Survival rate	No proposal	70%	
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	Lessee has planted trees in 7.5m safety barrier zone and out side mining lease to maintain aesthetic beauty in and around themines area.		

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 22th 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	Mines Manager: K Gyaneshwar Singh Mining Engineer : Suman Ghosh Geologist: Punit Lal Mahto	Mines Manager: K Gyaneshwar Singh Mining Engineer : Suman Ghosh Geologist: Punit Lal Mahto	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 23.87 Roads - 0.11 Dumps- 7.44	Pit: 23.87 Roads - 0.11 Dumps- 7.44	
9d	Scrutiny of Annual return on afforestation	WML: 870 OML : 690	WML: 870 nos. of plant within the lease.	
9e	Scrutiny of Annual return on mineral reject generation(Grade & Quantity)	Nil	N/A	
9f	Scrutiny of Annual return on ROM stock and/ or graded ore	Nil	N/A	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	EMP-₹318.00	EMP-₹318.00	
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets =₹ 10894055	Value of Fixed Assets =₹10894055	
9k	Scrutiny of Annual return on mining machineries	1)2.6, 2.2 & 3.2 cu.m. shovels – 01 nos (each) 2) Front End Loader (2.1 cu.m) -01 no. 3) 35 MT Tippers -7 Nos. 4) Dozer -160 HP 5) Blast Hole Drill (115 MM)-01 no.	1)2.6, 2.2 & 3.2 cu.m. shovels – 01 nos (each) 2) Front End Loader (2.1 cu.m) -01 no. 3) 35 MT Tippers -7 Nos. 4) Dozer -160 HP 5) Blast Hole Drill (115 MM)-01 no.	

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

Violation issued earlier was complied. During the current inspection no violation is issued.

Krishnadev Kumar, ACOM
Name of Inspecting Officer with Designation and Date