

INSPECTION DATASHEET**General**

S.N.	Particulars	Details
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	New Umrangshu Limestone Mine 27.12.2022 Shri.Sandeep Kumar Singh
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area is an Unclassified State Forest Land 417.5 Ha
3	Mine code	38ASM08016
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/21905/2017
5	Name of the Lease, Address, Phone, email and fax number	New Umrangshu Limestone Mine, Near Village: New umrangshu Taluka: Umrangshu Dima Hasao Dist., Assam state. Mobile No: 8811028649 email: dhananjaya.vemula@dalmiacement.com
6	Village	Umrangso
7	Taluka/Mandal	Amri Mauza
8	District	Dima Hasao
9	Pin code	788931
10	State	Assam
11	Post Office	Umrangso
12	Nearest Police Station	Umrangso
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	25.09.2018 01.10.2018(execution) 26.11.2042 (validity)
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.R.A.Krishna Kumar M/s Calcom Cement India Ltd 16 kilo, Umrangso, Dima Hasao Dist., Assam-788931 email: ra.krishnakumar7@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri.Vemula Dhananjaya M/s Calcom Cement India Ltd 16 kilo, Umrangso, Dima Hasao Dist., Assam-788931. Mobile No: 8811028649 email: dhananjaya.vemula@dalmiacement.com
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Aleti Mahipal Reddy M/s Calcom Cement India Ltd 16 kilo, Umrangso, Dima Hasao Dist., Assam-788931. Mobile No: 7099030514 email: reddy.aleti@dalmiacement.com

23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Aleti Manipal Reddy M/s Calcom Cement India Ltd 16 kilo, Umrangso, Dima Hasao Dist., Assam-788931. Mobile No: 7099030514 email:reddey.aleti@dalmiacement.com
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Abhijeet Adhikari M/s Calcom Cement India Ltd 16 kilo, Umrangso, Dima Hasao Dist., Assam-788931. Mobile No: 8011002451 email :adhikari.abhijeet@dalmiacement.com
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	02.02.2017 Plan approved period 2017-18 to 2021-22.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	Modification of Mining Plan Approved on 22.11.2021. Plan approved period 2022-23 to 2026-27.
27	Mineral(s) granted in lease and approved for Mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/Non-Captive	Captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	-	-	
1b	Exploration over lease area for Geological axis 1 or 2.	30 Holes	08 holes	22 balance
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	-	Rs.32,55,000	Holtec Consulting Pvt Ltd . Rs.4200 /m. Meterage: 775 . Shortage of drilling due to delay in obtaining various permissions such as forest Clearances, EC and other Local insurgency issues.
1d	Balance area to be explored to bring Geological axis in 1 or 2.	417.50 Ha	417.50 Ha	
1e	Balance reserves as on 01.04.2022.		Reserves-39.73 mioT,Balance resources-122mioT	

1f	General remarks of Inspecting officer on geology, exploration etc.	<p>Regional Geology: The thick pile of Eocene sediments starting from Basal sandstone Formation (Equivalent to Cherra Sandstone Formation) to Kopili Formation of the Jaintia Group is exposed in the Garampani-Umrangshu area over the Precambrian basement. Towards south-east, the Jaintia are conformably overlain by the litho units of the Barali Group. The Basal Sandstone Formation occupies its position just above the Precambrian basement and exposed intermittently from near Panimur to Kopili – Kharkar confluence covering a distance of about 40 km. The litho units of formation are well exposed near Eili Falls and Panimur-Lanka areas. The limestone deposit of the area belongs to Sylhet-Limestone Formation of Jaintia Group. It occupies a large tract and exposed intermittently in NW-SW direction. The best section of this formation is exposed along the Amrang valley of Juiphar block. However, the major portion of the area covered by the alternating sequence of shale and sandstone of Kopili Formation. The lower most position of the Kopili formation is calcareous, the middle portion is argillaceous in nature. Development and production both are less. Stripping ratio is less.</p> <p>In Core Drilling there is shortfall.violation issued.</p>
----	--------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N2823600-2824200 E479400-480000	N2823000-2823400 E480400-480800	Deviation observed.violation issued.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Maintained	Maintained	
2c	Stripping ratio or ore to OB ratio	1.76:1	5.76:1	T/M³ (Proposal for 2021-22 1). OB- 10,31,031 m ³ 2). Limestone: 15,00,228 MT. Actuals: 1). OB: 2,97,400 m ³ 2). Limestone: 1,27,919.5 MT)
2d	Quantity of topsoil generation in m ³	15144	-	.
2e	Quantity of overburden generation in m ³	10,31,031	2,97,400	m ³
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development and production both are less.the stripping ratio is abnormally high.no topsoil removal.there is deviation in working .violation pointed out for same.deviation is also observed for year 22-23 ,for which violation is again pointed out.		

Exploitation				
S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed (2021-22)	15,00,228 MT	1,27,919.50 MT	Mines has opened in the month of July'2021 after getting various permissions such as forest Clearances, EC and other Local i issues.
3c	Recovery of Salable /usable mineral from ROM production	15,00,228 MT	1,27,919.50 MT	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	415699m3	Nil	
3g	Grade of sub-grade mineral generation	Above threshold	Nil	High fe2o3
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	
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	Deep hole drilling bf dia 115 mm dia.drills . Blasting proposed with nitrate mixed emulsion explosives of 83 mm dia and millisecond delay detonators	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	Around 20 no. of holes are being fired per blast. Depth of the holes vary from 8 to 10 mts.
3k	Provision of mining machineries in mineral benches	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	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	1.Shovels make Hyundai and TATA470 2. Rock breaker Hyundai 220 LC 3.Tippers Eicher- 8035 XM 4. Dozer make Shantui DH 17
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	30.63 Ha	2.68 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1.79:1	0.43:1	
3o	Total area put in use under different heads at the end of year	81.04 Ha	4.64 Ha	

3p	Production of ROM mineral during last five-years period, as Applicable	2021-22	1500228 MT	1,27,919.50 MT	Mines has opened in the month of July'2021 after getting various permissions such as forest Clearances, EC and other Local insurgency issues.
		2020-21	1500638 MT	NIL	
		2019-20	1500241 MT	NIL	
		2018-19	1500192 MT	NIL	
		2017-18	1250360 MT	Nil	
3q	General remarks of inspecting officer on method of mining etc	Mines has opened in June'2021. Production started in January'2022. Haul road construction done.			

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	nil	nil	
4b	Location of topsoil, OB & mineral reject dumps	N 2823726-2824098	N2823000 - 2823400	Deviation
		E 480690-481346	E 479400-479600	
4c	Number of Dumps within lease area and outside lease area	01	01	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	01	01	
4e	Number of Active & Alive dumps	01	01	
4f	Number of deed dumps	nil	nil	
4g	Number of dumps established			
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	
4j	Number of settling ponds	nil	Nil	
4k	Specific commends of inspecting officer on waste dump management	Dumping has not been done as per the approved Mining Plan for year 21-22. However, filling is observed on west side of the lease which is not as per Mining Plan. Working is not as per Mining plan. Violation is issued.		

Solid Waste Management-Backfilling

S.N.	Item	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 (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No proposal of back filling. New operation.		

Progressive Mine Closer Plan

S.N.	Item	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	--	---	Reclamation & Rehabilitation Report submitted in time
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	--	---	
	ii) Afforestation done (ha)	3.5 Ha	0.05 Ha	
	iii) No. of saplings planted during the year	2000	80 nos.	Mine has opened lately.
	iv) Cumulative no. of plants	2000	80 nos.	
	v) Any other specific method of rehabilitation	NA	NA	
	vi) Cost incurred on watch & care during the year			
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means	nil	nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Nil	Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Carried out	Carried out	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	New Mine. Less production is done. plantation is done in southern barrier land. violation is issued for raising very less number of plantation than approved proposal.		

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM dispatch	ROM dispatch done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	NA	
7c	Different grade of mineral sort out at mine	No Proposal	NA	
7d	Any beneficiation process at mines	No Proposal	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM is supplied to factory located at 16 Kilo(location) at a distance 07 kms away from mine.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Yes proposed	Nil	Violation pointed out
8b	Concurrent use or storage of topsoil	yes	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	No Proposal	nil	
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	No Proposal	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	2000	80 nos. sapling planted inside the mining lease. 300 nos planted outside the mining lease	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Water Spraying on haul road	Water Spraying is being done on haul road.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	It is new operation. Less plantation is done.violation issued.		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Submitted till November'22 And for the year 2021-22.	Being done
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Abhijeet Adhikari (Geologist) Aleti Mahipal Reddy (Mining Engineer cum Mines Manager)	Details given
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit area -2.68 Ha Waste dump -0.68 Ha Road -1.23 ha Plantation -0.05 Ha Total -4.64Ha	

9d	Scrutiny of Annual return on afforestation	1). 80 no's saplings planted inside the ML area 2). 300 nos. outside ML area	Shortfall, violation issued
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	NIL	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	No pit head stock	
9g	Scrutiny of Annual return on sale value, Ex.Mine price & production costs	Captive mine. No sale. Cost of production: Rs.322.31/MT	
9i	Scrutiny of Annual return on Fixed assets	1). Building Industrial: Rs.2,34,03,781 Residential: Rs.31,88,444 2) plant machinery: Rs.48,91,766 3) capitalized expenditure: Rs.71,97,98,441 Total: Rs.75,12,82,432	
9k	Scrutiny of Annual return on mining Machineries	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	1. Shovels make Hyundai and TATA470 2. Rock breaker Hyundai 220 LC 3. Tippers Eicher- 8035 XM 4. Dozer make Shantui DH 17.

Details of Validations observed during current inspection and compliance position of earlier violation pointed out: **Mine is opened in the month of June'2021 and production started in January'2022.**

Sr. no.	Date of inspection/ Violation date if based on office record	Violation letter no.	Rule violated (Details of Violation)	Compliance status
1.	13 th October, 2021	IBM/GHY/ASM/NCH/LST-5	Violation pointed out Rule 55 (1) 3(iii) of MCDR-2017	Complied 21.01.2022
2.	27 th December, 2022	MCDR-MiFL0LST/6/2023-GUH-IBM_RO_GUH	Violation pointed out Rule 11(1) of MCDR-2017	Partially complied.
3.	27 th December, 2022	MCDR-MiFL0LST/6/2023-GUH-IBM_RO_GUH	Show-cause issued of violation of Rule 11(1) of MCDR-2017	Complied

Date:

03/05/23.

Name: Sandeep Kumar Singh
Designation: Dy. Controller of mines (I/C)