

FOR THE YEAR 2024-25

MCDR INSPECTION REPORT OF DILLAI PARBAT LIMESTONE MINES (171 HA) CEMENT CORPORATION OF INDIA, LTD, BOKAJAN, KARBI ANGLONG DISTRICT, ASSAM-782490

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	DILLAI PARBAT LIMESTONE
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	171 Ha
	Name of Inspecting officer	Manash Jyoti Saikia
	Date of Inspection:	13/11/2024 & 14/11/2024
3	Mine Code	38ASM06001
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/875/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Cement Corporation Of India Ltd. Dillai Parbat, Koilajan, Bokajan, Karbi Anglong-782480 Ph. 9818551912 Mail: bokajacementmines@gmail.com
6	Village	Koilajan
7	Taluka/Mandal	
8	District	Karbi Anglong
9	Pin Code	782490
10	State	Assam
11	Post office	Bokajan Post Office
12	Nearest police station	Dillai Police Station
13	Nearest Railway station	Bokajan Railway Station
14	Date of Grant of Mining Lease	20/09/1972; 20/09/1992; 20/09/2002, 20/09/2022
15	Date of Execution	20/09/1972; 20/09/1992; 20/09/2002; 10/02/2021. expiry date 31/03/2030
16	Date of opening of Mine	25/03/1973
17	Date of first Renewal, if applicable and its period & expiry	20/09/1992, 20years from initial grant and expired at 19/09/2002
18	Date of second Renewal, if applicable and its period & expiry	20/09/2002, 20 years from 1 st extension and expired at 19/09/2022
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	Pradeep Kumar Chand, Core-5, Scope Complex, 7 Lodhi Road, P.B No. 3061 New Delhi-110003; Telephone:24360158 Mail:dirf@ccilttd.in; DOA: 25/08/2022
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Ravi Kumar Saroj, Bokajan Cement Factory, Dist: Karbi Anglong; PO: Boakajan Cement Factory; Pin: 782490, State: Assam; Telephone: 03675-246106; Mail: bokajacement@gmail.com DOA: 07/10/2024
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Ashok Kumar Uranw , Dillai Parbat Limestone Mines, Bokajan, Dist: Karbi Anglong, Assam-782490; DOA: 13/04/2023, Mobile: 6026666983
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sudip Bhattacharya, Dillai Parbat Limestone Mines, Bokajan, Dist: Karbi Anglong, Assam-782490; DOA-15/10/2004; Ex-20Yrs, Mobile: 9957066307
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	YES
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Current approved mining plan date- 18/04/2022, Modification submitted on 09/01/2025
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Mining Plan No. 314(3)/90-MCCM(M)-MP-9 dtd. 26.02.1992 (1990-91 to 1996-97) Scheme of Mining No. 314(3)/98-MCCM(M)/MP/S-13

FOR THE YEAR 2024-25

MCDR INSPECTION REPORT OF DILLAI PARBAT LIMESTONE MINES (171 HA) CEMENT CORPORATION OF INDIA, LTD, BOKAJAN, KARBI ANGLONG DISTRICT, ASSAM-782490

SN	Particulars	Details
		dtd. 14.01.1999 (1997-98 to 2001-02) Mining Plan No. 314(3)/2004-MCCM(Z)/MP-13 dtd. 03.05.2005 (2002-03 to 2006-07) Scheme of Mining No. 314(3)/2009-MCCM(CZ)/S-6/ 1667 dtd. 15.09.2009 (2007-08 to 2011-12) Review of Mining Plan No. IBM/GHY/AS/KA/LST/MS-74 dtd. 11.08.2016 (2016 -17) Review of Mining Plan No. IBM/GHY/AS/K.A/LST/MS-74 Dtd. 23-05-2017 (2017-18 to 2021-22) Review of Mining Plan No. IBM/GHY/AS/KA/LST/MS-74 Dtd. 18-04-2022 (2022-23 to 2026-27)
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30	Captive/Non Captive	Captive

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not proposed	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	NA	Entire area is under G1 category
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	
1e	Balance reserves as on 31.03.2024, at the end of last financial year	--	Reserves (Lst): 12127471.00 t Remaining Resources:: 2176461.00 t	
1f	General remarks of inspecting officer on geology, exploration etc.	<p>The limestone deposit at Dillai Parbat belongs to the Sylhet Limestone Formation of the Eocene epoch in Lower and Central Assam. The basement comprises Precambrian granite and granite gneisses, overlain by Jurassic Sylhet Traps. The region's tectonic evolution, influenced by Cretaceous to Tertiary sedimentation, includes Jurassic volcanic activity marked by tholeiitic basalt eruptions through east-west fissures. The Raibah Fault played a key role in uplifting the northern non-volcanic block relative to the volcanically active southern block, remaining active into the Upper Cretaceous. The Eocene Jaintia Group dominates the mining lease area, with the Sylhet Limestone Formation overlain by the Oligocene Barail Group. Structural disturbances from the Jurassic complicate geological mapping, but drilling has revealed the detailed structure of limestone beds, which trend N30°E–S30°W with dips of 0°–20° southeast. Ten faults, influenced by major regional structures like the Dauki Fault</p>		

FOR THE YEAR 2024-25

MCDR INSPECTION REPORT OF DILLAI PARBAT LIMESTONE MINES (171 HA) CEMENT CORPORATION OF INDIA, LTD, BOKAJAN, KARBI ANGLONG DISTRICT, ASSAM-782490

		and Naga-Disang Thrust, follow two main trends: east-west and northeast-southwest. Most are normal gravity faults, though some reverse faults are also present.
--	--	---

2.0 DEVELOPMENT

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Easting 558390–558610, Northing 2877280-2877480	Easting 558390–558610, Northing 2877280-2877480 & Easting 558650 – 559000, Northing 2875840-2876100	Violation issued
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	05 benches in OB; No top soil	05 benches in OB;	
2c	Stripping ratio or ore to OB ratio	1:3.65	1:2.13	Violation issued for not maintaining stripping ratio
2d	Quantity of topsoil generation in m ³	Not proposed	NA	
2e	Quantity of overburden generation in m ³	409886.00	140015.012	Violation issued
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Two active pits are present, dimension of pit 1 is 318m * 265m of an area of 10.57ha.; dimension of pit 2 is 592m * 225m of an area of 9.26 ha.; 6 benches are there in pit 1 from mRL 318m to 265m; 5 benches are present in pit 2 from mRL 328m to 280mRL, deviation seen in working area for less development, violation issued. Violation also issued for less development and not maintaining stripping ratio.		

3.0 EXPLOITATION

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01	02	Violation issued for shifting of pit
3b	Quantity of ROM mineral production proposed	280000 MT	164020.700 MT	
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Not proposed	NIL	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	NIL	
3f	Quantity of sub-grade mineral generation	Not proposed	NIL	
3g	Grade of sub-grade mineral generation	Not proposed	NIL	
3h	Manual/Mechanised method adopted for segregating from ROM	Not proposed	NIL	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	NIL	
3j	Provision of drilling & blasting in mineral benches	Yes, (02 nos) DTH Drill (LM-100 Hydraulic Drill) V pattern	Yes, (02 nos) DTH Drill (LM-100 Hydraulic Drill) V	

FOR THE YEAR 2024-25

MCDR INSPECTION REPORT OF DILLAI PARBAT LIMESTONE MINES (171 HA) CEMENT CORPORATION OF INDIA, LTD, BOKAJAN, KARBI ANGLONG DISTRICT, ASSAM-782490

		blasting is practiced and for a bench height of 8 M in limestone with 3 M burden and 3.5 M spacing and depth of hole 6.6M	pattern blasting is practiced and for a bench height of 8 M in limestone with 3 M burden and 3.5 M spacing and depth of hole 6.6M	
3k	Provision of mining machineries in mineral benches	Yes, DTH Drill (LM-100 Hydraulic Drill) (20m/hr capacity) – 02 nos, Excavator (1.5 CUM capacity) – 06 nos, Tipper/Dumper (20 Tonne capacity) – 18 nos,	DTH Drill (LM-100 Hydraulic Drill) (20m/hr capacity) – 02 nos, Excavator (1.5 CUM capacity) – 04 nos, Tipper/Dumper (20 Tonne capacity) – 12 nos	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed (08m)	Suitable (08m)	
3m	Total area covered under excavation/ pits	48.75Ha	48.73Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:3.65	1:2.13	Violation issued
3o	Total area put in use under different heads at the end of year	72.39 Ha.	72.37 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 273320 MT 2020-21: 276680 MT 2021-22: 272800 MT 2022-23: 280000 MT 2023-24: 280000 MT	2019-20: 98060.740 MT 2020-21: 130427.080 MT 2021-22: 188422.800 MT 2022-23: 190854.290 MT 2023-24: 164020.700 MT	
3q	General remarks of inspecting officer on method of mining etc.	As per proposal, working is to be done in one pits i.e. pit 1 in northern part of ML area, but mining operation was carried out in two pits, hence violation was issued		

4.0 SOLID WASTE MANAGEMENT-DUMPING

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Separate dump for OB and backfill area	As proposed	
4b	Location of topsoil, OB & mineral reject dumps	OB Dump: N26°03'39" E93°45'01"	OB Dump: N26°03'39" E93°45'01"	
4c	Number of dumps within lease area and outside lease area	05 (Within lease area)	05 (Within lease area)	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)			
4e	Number of active & alive dumps	05	02	
4f	Number of dead dumps	01	01	
4g	Number of dumps stabilised	Nil	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps	Not proposed	NIL	

FOR THE YEAR 2024-25

MCDR INSPECTION REPORT OF DILLAI PARBAT LIMESTONE MINES (171 HA) CEMENT CORPORATION OF INDIA, LTD, BOKAJAN, KARBI ANGLONG DISTRICT, ASSAM-782490

SN	Item	Proposals	Actual work	Remarks
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	NIL	
4j	Number of settling ponds	Not Proposed	NIL	
4k	Specific comments of inspecting officer	Topsoil needs to be separated and utilised wherever it occurs		

5.0 SOLID WASTE MANAGEMENT-BACKFILLING

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	After full extraction	Being done	
5b	Area under backfilling of mined out area	19470.841 m2	19480 m2	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	NIL	
5d	Total area fully reclaimed & rehabilitated	Not proposed	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	---		

6.0 PROGRESSIVE MINE CLOSURE PLAN

SN	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.	--	submitted	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) 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	ii) .98 Ha iii) 600 iv) NA v) Nil vi) Rs.10,000	ii) 0.90 Ha iii) 540+140 iv)17888 v) Nil vi) Rs.10,000	Survival rate of plantation 85%; green belt development in barrier zone
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)\ ii) 19470.841m2 iii) NA iv)NA v)Nil	i) ii) 19480m2 iii) 0.4Ha iv)NA v)Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NA	NA	Green belt development as 6(b)
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Being done	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Plantation survival rate is satisfactory		

7.0 MINERAL CONSERVATION

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Produced ROM will be directly sent to the Crusher from the mine	Produced ROM sent to the Crusher from the mine	
7b	Method of grade-wise mineral sorting i.e. manual or	No proposals	Nil	

FOR THE YEAR 2024-25

MCDR INSPECTION REPORT OF DILLAI PARBAT LIMESTONE MINES (171 HA) CEMENT CORPORATION OF INDIA, LTD, BOKAJAN, KARBI ANGLONG DISTRICT, ASSAM-782490

	mechanical			
7c	Different grade of mineral sorted out at mines	No proposals	NIL	
7d	Any beneficiation process at mines	No proposals	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Produced ROM sent to the Crusher from the mine		

8.0 ENVIRONMENT

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals	NIL	
8b	Concurrent use or storage of topsoil	No proposals	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	05	05	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Reclamation proposal	Reclamation Is Being Done	Backfilling is being done
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes, proposed	Backfilling is being Done	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	600	680	
8g	Survival rate	85%	85%	
8h	Water sprinkling on roads to control airborne dust	Yes	Done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Plant survival rate is good		

9.0 COMPLIANCE OF RULE 45

SN	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual Return submitted on time		
SN	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Agent: Ravi Kumar Saroj Mines Manager: Ashok Kumar Urawn Mining Engineer: Shri Sudip bhattarchya, Geologist: Ranuj Kumar Das	--	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit 48.754+1.332Ha. Reclaimed: 9.4	Pit 48.754+1.332Ha. a.	

FOR THE YEAR 2024-25

MCDR INSPECTION REPORT OF DILLAI PARBAT LIMESTONE MINES (171 HA) CEMENT CORPORATION OF INDIA, LTD, BOKAJAN, KARBI ANGLONG DISTRICT, ASSAM-782490

		Ha. OB disposal: 21.26 ha. Plantation: 2.03 ha. Stack and other purpose: 0.25+0.4 ha.	Reclaimed: 9.4 Ha. OB disposal: 21.26 ha. Plantation: 2.03 ha. Stack and other purpose: 0.25+0.4 ha.	
9d	Scrutiny of Annual return on afforestation	Sapling: 680 (540 within lease area + 140 outside lease area) Area: 0.90 Ha	Survival arte within lease boundary is around 85%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	--	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock: 29471.682MT Production: 164020.700 MT Despatch: 166393.000 MT Closing Stock: 27099.382 MT	--	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex mine price= Rs 340.00	--	
9i	Scrutiny of Annual return on fixed assets	Rs. 3303958.00	-	
9k	Scrutiny of Annual return on mining machineries	List of Machinery: 2) Dumper: 12 Nos. 4) Rock Drill: 2 Nos. 6) Excavator: 04 Nos 7) Explosive Van: 1 No. 8) Water Tanker 1 No.	List of Machinery: 2) Dumper: 12 Nos. 4) Rock Drill: 2 Nos. 6) Excavator: 04 Nos 7) Explosive Van: 1 No. 8) Water Tanker 1 No	

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

In last inspection violation was issued for rules 11(1) for Mining operations deviated from the approved plan, with limestone extraction from unplanned pits, a lower stripping ratio (1:2 vs. 1:5.2), and significantly reduced overburden removal. The violation was not complied.

In this inspection violation is issued for rule 11(1) for deviation in working, lower stripping ratio (1:2 vs. 1:3.65) and reduced overburden removal (140015 m³ vs. 409886 m³). Inspection is done for processing of modification of mining plan also.
