

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

Mine file No : IBM/GHY/ASM/KAB/LST-1
Date of Inspection: 10.12.2020 & 11.12.2020

Mine Code : 38ASM06001

General

S.N.	Particulars	
1	Name of the Mine	Dillai Parbat Limestone Mines
2	Total Lease Area(Ha) with breakup of Non-forest and forest land	171.00 ha (Non -Forest Land)
3	Mine code	38ASM 06001
4	IBM Registration Number under rule 45 of MCDR , 1988	IBM/875/2011
5	Name of the lessee, Address, phone, email and fax number	M/s. Cement Corporation of India Ltd.
6	Village	Koilajan
7	Taluka/Mandal	Bokajan
8	District	Karbi Anglong
9	Pincode	782480
10	State	Assam
11	Post office	Bokajan
12	Nearest police station	Bokajan
13	Nearest Railway station	Bokajan
14	Date of Grant of Mining Lease	26-11-1970
15	Date of Execution	21-09-1972
16	Date of opening of Mine	25-03-1973
17	Date of first Renewal , if applicable and its period & expiry	14.07.1993 (21.09.1992 to 20.09.2002) (10 years)
18	Date of second Renewal , if applicable and its period & expiry	12.12.2006 (21.09.2002 to 20.09.2022) (20 years)
19	Date of submission of Renewal application if Mining operations are continuing under deemed extension	Nil
20	Name of the Nominated owner with Address, phone, email, fax number and date of appointment	Sri. B.V.N Prasad, Director (HR), M/s. Cement Corporation of India Ltd., Core-V, SCOPE Complex, 7- Lodhi Road, New Delhi-110003, Phone No: 011-24360015, Email:- dirhr@cementcorporation.co.in, Date of appointment :24/02/2016
21	Name of the Mine agent with Address, phone, email, fax number and date of appointment	Sri. Vipul Kumar, General Manager, M/s. Cement Corporation of India Ltd., Bokajan cement factory, Bokajan, Dist-Karbi Anglong, Assam-782490, Phone No: 03675-246106, Email:- gm_bko@cementcorporation.co.in, Date of appointment : 11/04/2019
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment	Sri. D. Samadder, M/s. Cement Corporation of India Ltd., Bokajan cement factory, Bokajan, Dist-Karbi Anglong, Assam-782490, Phone No: 03675-246106, Email:- bokajancementmines@gmail.com, Date of appointment :02.04.2016
23	Name of the Mining Engineer , Qualification and total experience with Address , phone, email, fax number and date of appointment in mine	Sh. A.K. Uranw, Date of appointment : 15/10/2019 & Sri. S Bhattacharya, Date of appointment :15/10/2004 M/s. Cement Corporation of India Ltd., Bokajan cement factory, Bokajan, Dist-Karbi Anglong, Assam-782490, Phone No: 03675-246106, Email:-bokajancementmines@gmail.com.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57	Name of geologist : Nil
25	Date of Approval of Mining plan/Modified Mining plan with five year period & specific condition in approval letter, if any	No. 314(3)/90-MCCM(M)-MP-9 dtd. 26.02.1992 (1990-91 to 1996-97)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five year period & specific condition in approval letter, if any	<u>Scheme of Mining</u> No. 314(3)/98-MCCM(M)/MP/S-13 dtd. 14.01.1999 (1997-98 to 2001-02) <u>Scheme of Mining</u> No. 314(3)/2004-MCCM(Z)/MP-13 dtd. 03.05.2005 (2002-03 to 2006-07) <u>Scheme of Mining</u> No. 314(3)/2009-MCCM(CZ)/S-6/ 1667 dtd. 15.09.2009 (2007-08 to 2011-12) <u>Review of Mining Plan</u> No. IBM/GHY/AS/KA/LST/MS-74 dtd. 11.08.2016 (2016 -17) <u>Review of Mining Plan</u> No. IBM/GHY/AS/K.A/LST/MS-74 Dtd. 23-05-2017 (2017-18 to 2021-22)
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Mnual)	Fully Mechanised
30	Captive/Non Captive	Captive

Exploration				
S.N.	Items	Proposals	Actual work	Remarks
1a	Backlog of previous year	N/A	N/A	
1b	Exploration over lease area for Geological axis 1 or 2	N/A	N/A	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	N/A	N/A	
1d	Balance area to be explored to bring Geological axis in 1 or 2	N/A	N/A	
1e	Balance reserves as on 01.04.2020	12.502 million tonnes	12.899 million tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	Exploration over entire lease area has been completed during 2015-16. The entire lease area is under G1 category.		

Development				
S.N.	Items	Proposals	Actual work	Remarks
2a	Location of development w.r.t lease area	Northing: N25°60'58.619" Easting: E93°38'36.077"	Northing: N25°60'58.619" Easting: E93°38'36.077"	
2b	Separate benches in topsoil, overburden and mineral(Rule 15)	5- Benches OB 2- Benches Ore	5- Benches OB 2- Benches Ore	
2c	Stripping ratio or ore to OB ratio	1:1.96	1:1.81	
2d	Quantity of topsoil generation in m ³	Nil	N/A	
2e	Quantity of overburden generation in m ³	215370CUM	71192 CUM	
2f	General remarks of inspecting officer on development of pit w.r.t type of deposit etc.	Systematic development of ore and waste benches have not been carried as per the approved review of Mining plan. Therefore a violation letter against Rule 11(1) of MCDR-2017 has been issued on 04.01.2021.		

Exploitation				
S.N.	Items	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	Two	Two	
3b	Quantity of ROM mineral production proposed	273320 MT	98061 MT	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal	NIL	
3e	Grade of mineral reject generation and threshold value declared	No proposal	NIL	
3f	Quantity of sub-grade mineral generation	No proposal	NIL	
3g	Grade of sub-grade mineral generation	No proposal	NIL	
3h	Manual/Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-	No proposal	NIL	
3j	Provision of drilling & blasting in mineral benches	Yes, DTH Drill (LM-100 Hydraulic Drill) - 1+1 (Strand by), V pattern blasting is practiced and for a bench height of 8 M in limestone with 3 M burden and 3.5 M spacing, the charge required per hole, at a powder factor for 6 MT/kg	Yes, DTH Drill (LM-100 Hydraulic Drill) - 1+1 (Strand by), V pattern blasting is practiced and for a bench height of 8 M in limestone with 3 M burden and 3.5 M spacing, the charge required per hole, at a powder factor for 6 MT/kg	
3k	Provision of mining machineries in mineral benches	Yes, DTH Drill (LM-100 Hydraulic Drill) (20m/hr capacity) - 02, Excavator (1.5 CUM capacity) - 04, Tipper/Dumper (20Tonne capacity) - 9, Dozer (135 kw 180 hp) - 01, Water Tanker (10000 Ltr.) - 01	Yes, DTH Drill (LM-100 Hydraulic Drill) (20m/hr capacity) - 02, Excavator (1.5 CUM capacity) - 04, Tipper/Dumper (20Tonne capacity) - 9, Dozer (135 kw 180 hp) - 01, Water Tanker (10000 Ltr.) - 01	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8 Mtr.	8 Mtr.	
3m	Total area covered under excavation / pits	45.90 Hect	45.00 Hect	
3n	Ore to OB ratio for the pit/mine during the year	1:1.96	1:1.81	
3o	Total area put in use under different heads at the end of year	45.90 Hect	45.00 Hect	
3p	Production of ROM mineral during last five year, as applicable	LIMESTONE 2015-16: 1,71,218 MT 2016-17: 6,00,280 MT 2017-18: 2,73,895 MT 2018-19: 2,73,270 MT 2019-20: 2,73,320 MT	LIMESTONE 2015-16: 1,71,218 MT 2016-17: 1,05,097 MT 2017-18: 1,32,657 MT 2018-19: 1,92,924 MT 2019-20: 98,060 MT	
3q	General remarks of inspecting officer on method of mining etc	Systematic development of ore and waste benches have not been carried as per the approved review of Mining plan. Therefore a violation letter against Rule 11(1) of MCDR-2017 has been issued on 04.01.2021.		

Waste Management- Dumping

S.N.	Items	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject(Rule 32, 33)	OB Dumping: Norting: N26°3'39.957" Easting: E93°45'1.199"	OB Dumping: Norting: N26°3'39.957" Easting: E93°45'1.199"	
4b	Location of topsoil , OB & mineral reject dumps	OB Dumping: Norting: N26°3'39.957" Easting: E93°45'1.199"	OB Dumping: Norting: N26°3'39.957" Easting: E93°45'1.199"	
4c	Number of dumps within lease area and outside lease area	Within Lease Area: 5	Within Lease Area: 5	
4d	Location of dumps w.r.t ultimate pit limit (Rule 16)	Within the UPL	Within the UPL Norting: N2603'39.957" Easting: E93045'1.199"	
4e	Number of active & alive dumps	2	2	
4f	Number of dead dumps	3	3	
4g	Number of dumps stabilised	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dump	Yes	Retaining wall - 2 Garland drain - 2	
4i	Length of Retaining wall or garland drain all along dump	Nil	50 Mtr.	
4j	Number of settling ponds	Nil	1	
4k	Specific comments of inspecting officer on waste dump management	Systematic development of waste benches have not been carried as per the approved review of Mining plan. Therefore a violation letter against Rule11(1) of MCDR-2017 has been issued on 04.01.2021.		

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	3.75 Ha	3.75 Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	3.75 Ha	3.75 Ha	
5e	General remarks of inspecting officer on backfilling , reclamation etc			

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 Rule26(2) PMCP report to be submitted before 1st day of July every	Submitted upto 2019-20	
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) 0.40 Hect. iii) 250 nos (within ML) iv) 16580 (within ML)	i) 0.50 Hect. iii) 270 nos (within ML) iv) 16600 (within ML)	FY : 2019-20
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) NA ii) NA iii) NA iv) NA v) Nil vi) NA	i) NA ii) NA iii) NA iv) NA v) Nil vi) NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated(ha) iii) Method of rehabilitation	Nil	Nil	
6e	Compliance of Environmental monitoring(core zone & buffer zone)	Complied	Complied	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations			

Mineral Conservation

S.N.	Items	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 has directly sent to the Crusher from the mine	
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 proposal of Mineral beneficiation was given for the reporting year.		

Environment

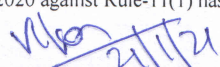
S.N.	Items	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden , waste rock , rejects and fines(Rule 33)	5 Dumps	5 Dumps	
8d	Use of overburden , waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration , reclamation and rehabilitation of lands affected by mining operations(pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation & additional plantation done(Rule 41)	Sapling : 250 (WML)	Sapling : 270 (WML)	
8g	Survival rate	----	78%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling will be carried out by Water Tanker	Water sprinkling done by Water Tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Lessee has planted 270 nos. of saplings along the lease boundary and has carried out water sprinkling inside		

Compliance of Rule 45

S.N.	Item	Comments		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return submitted upto	Upto Dec.2020	
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	Mines Manager Sri. D. Samadder Mining Engineer Sh. A.K. Uranw, & Sri. S Bhattacharya Geologist 01 no.	Violations under Rule 55(1) (c) issued to lessee for non compliance regarding geologist.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit :68.68 Ha.	Pit :68.68 Ha.	
9d	Scrutiny of Annual return on afforestation	Saplings: Within lease- 250 nos.	Saplings: Within lease- 270 nos.	
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 -32029 MT Production - 98060.740 MT Dispatch:121293 MT. Closing Stock- 34361 MT There is no separate stock for graded ore	Opening Stock - 32029 MT Production -98060.740 MT Dispatch:121293 MT. Closing Stock- 34361 MT There is no separate stock for graded ore	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine Price: Rs. 482.00	Crossed checked it from returns and found it correct.	
9i	Scrutiny of Annual return on fixed assets	Rs. 2276465	Verified from the asset register and found correct.	
9k	Scrutiny of Annual return on mining machineries	1) Back Hoe : 4 nos. 2) Tipper: 9. Nos. 3) Dozer: 1 No. 4) Rock Drill: 2 Nos. 5) Air compressor: 2 Nos. 6) Other HEMM - Nil. 7) Explosive Van: 1 No. 8) Water Tanker 1 No.	1) Back Hoe : 4 nos. 2) Tipper: 9. Nos. 3) Dozer: 1 No. 4) Rock Drill: 2 Nos. 5) Air compressor: 2 Nos. 6) Other HEMM: Nil. 7) Explosive Van: 1 No. 8) Water Tanker 1 No.	

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

Systematic development of waste and soil dumps have not been carried as per the approved review of Mining plan. Therefore a violation letter against Rule11(1) of MCDR-2017 has been issued on 04.01.2021. The last violation was issued dated 19.10.2020 against Rule-11(1) has been complied.


Name of inspecting officer with designation and date