

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR Inspection REPORT
Reporting Year 2022-23

General Information

S.N	Particulars	Details
1	Name of the Mine	Chhapparwah Dolomite & Limestone Mines
	Date of Inspection:	29.02.2024
	Name of Inspecting Officer	Shri. Kathroju Naveen, Senior Assistant Controller of Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area- 19.71 Ha Non- Forest Land - 19.71 Ha Forest Land- Nil
3	Mine code	19MPR18013
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/441/2011
5	Name of the Lease, Address, Phone, email and fax number	Chhapparwah Dolomite & Limestone Mines Adress- M/s Ultratech Cement Ltd. Unit- Birla white, Katni Bijayk.jaiswal@adityabirla.Com
6	Village	Chhapparwah
7	Taluka/Mandal	Badwara
8	District	Katni, M.P
9	Pin code	483773
10	State	Madhya Pradesh
11	Post Office	Katni
12	Nearest Police Station	Badwara
13	Nearest Railway Station	Vilayatkalan
14	Date of Grant of Mining Lease	23-02-1981
15	Date of Execution	08/10/2009
16	Date of opening of Mine	05-04-1984
17	Date of First Renewal, if applicable and its period & expiry	First Renewal- 11.02.2000 Period& Expiry- 23.02.2001-22.02.2021
18	Date of Second Renewal, if applicable and its period & expiry	Period & Expiry- 23.02.2021 - 31.03.2030
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	—
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri K.C.Jhanwar Add. - B Wing, Ahura Centre, 2 nd Floor Mahakali caves Road Andheri (East). Date of appointment- 22.10.2018
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Anjani Kumar Pandey Add. -Birla white Phase III Rahul Bag Gokuldham, Katni M.P 483501 Date of appointment- 12.06.2022
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Bijay Kumar Jaiswal Add. - Birla white Phase III Rahul Bag Gokuldham, Katni M.P 483501 Email- bijayk.jaiswal@adityabirla.com Date of appointment- 29-06-2011
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Prem Bhushan Verma- Mining Engineer Total experience- 16 year Date of Appointment- 31.08.2013 Add. - Birla white Phase III Rahul Bag Gokuldham, Katni M.P 483501 Mail- prem.verma@adityabirla.com
24	Whether Geologist and Mining Engineer appointment in	

	mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Geologist - Abhijeet Bharti experience- 3.5 year Date of Appointment- 09.02.2024
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Modification of Mining Plan - 09/09/2020 Year- 2021-22 to 2022-23
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	—
27	Mineral(s) granted in lease and approved for Mining	Dolomite & Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	"A" OTFM Category
30	Captive/Non-Captive	Non-Captive

Exploration

S.N	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not proposed	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	G1	G2	Exploration Required
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	₹ -1486915/- (As reported by the lessee)	The lease area has not explored as proposed against which the violation issued under rule 12(4).
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Proposed to bring the entire area under G1 level	Exploration not carried out as proposed	
1e	Balance reserves as on 01.04.2023	3623522 T	875 MT	
1f	General remarks of Inspecting officer on geology, exploration etc.	As per the last approved Mining plan dated 7/03/2023 the balance reserves as on 02/01/2023 are 3665087 T Out of which it is produced 41565 T of dolomite till 31.03.2023 hence balance reserves are 3623522 T		

Development

S.N	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	23°39'25.97 3"N 80°34'53.76 6"E To 23°39'35.15 7"N 80°35'10.27 0"E	23°39'25.97 3"N 80°34'53.76 6"E To 23°39'35.15 7"N 80°35'10.27 0"E	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Not proposed	NA	Not applicable
2c	Stripping ratio or ore to OB ratio	1:0.16	1:0.17	

2d	Quantity of topsoil generation in m ³	Not proposed	NIL	No topsoil
2e	Quantity of overburden generation in m ³	73345 m ³	29590.40 m ³	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The deviation in OB as a result of less development and production carried out against which the violation is issued under Rule 11(1).		

Exploitation

S. N .	Item	Proposals	Actual Work	Remarks	
3a	Number of pits proposed for production	1	1		
3b	Quantity of ROM mineral production proposed (2022-23)	1200T Limestone 404984T Dolomite	1162 T Limestone 168158 T Dolomite		
3c	Recovery of Salable/usable mineral from ROM production	80%	100%		
3d	Quantity of mineral reject generation	130974 MT	146690 MT		
3e	Grade of mineral reject generation and threshold value declared	NIL	NIL		
3f	Quantity of sub-grade mineral generation	NA	NA		
3g	Grade of sub-grade mineral generation	NA	NA		
3h	Manual/Mechanized method adopted for segregation from ROM	Manual	Manual		
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL	NIL	NA	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	Provision by DGMS	
3k	Provision of mining machineries in mineral benches	Yes	Yes	Provision by DGMS	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 meter	6 meter		
3m	Total area covered under excavation /pits	4.725	4.725		
3n	Ore to OB ratio for the pit/mine during the year	1:0.16	1:0.17		
3o	Total area put in use under different heads at the end of year	Annexure A	Annexure A		
3p	Production of ROM mineral during last five-years period, as Applicable	Year	Production (MT)		
			Dolomite	Limestone	
		2022	168158.8	1162	
		-23	1		
2021	158390.0	671.00			
-22	0				

		2020 -21	148127.0 6	NIL	
		2019 -20	248176.4 6	NIL	
		2018 -19	298868.9	NIL	
3q	General remarks of inspecting officer on method of mining etc	Against the proposed 404984 T of production of dolomite only 168158T produced against which the violation is pointed out under Rule 11(1).			

Solid Waste Management-Dumping

S.N	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Yes	Yes	
4b	Location of topsoil, OB & mineral reject dumps	23°39'24.92"N 80°34'59.03"E	23°39'24.92"N 80°34'59.03"E	
4c	Number of Dumps within lease area and outside lease area	Within lease- 1 Outside lease- NIL	Within lease- 1 Outside lease- NIL	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	23°39'24.92"N 80°34'59.03"E	23°39'24.92"N 80°34'59.03"E	
4e	Number of Active & Alive dumps	1	1	
4f	Number of dead dumps	NIL	NIL	N/A
4g	Number of dumps established	Not Proposed	NA	N/A
4h	Whether Retaining wall or garland drain all along dumps are there	1	1	
4i	Length of Retaining wall or garland drain all along dump	NIL	Retaining wall-40 m Garland drain 100m	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	Area Not matured enough to start back filling.		

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	Not proposed	NA	
5b	Area under backfilling of mined out area	0.1336 Ha	0.1336 Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	NA	
5d	Total area fully reclaimed & rehabilitated	Not Proposed	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

Progressive Mine Closer Plan

S. N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and Correctly-Rule 26(2). Details should be given in the format as given in Annexure- A1	—	Submitted on time	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Not Proposed		
	ii) Afforestation done (ha)	Not Proposed	NA	
	iii) No.of saplings planted during the year	Not Proposed	NA	
	iv) Cumulative no. of plants	Not Proposed	NA	
	v) Any other specific method of rehabilitation	Not Proposed	NA	
	vi) Cost incurred on watch & care during the year	Not Proposed	NA	
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	Not proposed	N/A	
6d	Compliance of Rehabilitation of waste land within lease 1. Afforestation 2. Area rehabilitation 3. Method of rehabilitation	Not Proposed	NA	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Environment monitoring for Noise and Air	Report Submitted	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Backfilling has not been carried out as proposed against which the violation is pointed out under Rule 11(1).		

Mineral Conservation

S.N	Item	Proposals	Actual Work	Remarks
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7a	ROM mineral dispatch or grade wise sorting within lease area	ROM	ROM	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Grade wise not proposed	NA	
7c	Different grade of mineral sort out at mine	NIL	NIL	
7d	Any beneficiation process at mines	NIL	NIL	NA
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM is being dispatched to the captive plant for consumption.		

Environment

S.N	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	NIL	NIL	NA
8b	Concurrent use or storage of topsoil	NIL	NIL	NA
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Separate dumps for overburden waste rock proposed .	Separate dumps for overburden waste rock maintained.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	NA
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not Proposed	NA
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	800	800	
8g	Survival rate	60-65 %	60%	
8h	Water sprinkling on roads to control airborne dust	Yes	Available	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	The aesthetic beauty in and around mine area needs improvement.		

Compliance of Rule 45

S.N	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns.	Monthly and Annual returns are submitted within time period.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge: Prem Bhushan Verma Geologist In charge : Not furnished	Mining Engineer in charge: Prem Bhushan Verma Geologist In charge : Abhijeet Bharti(appointed on 09.02.2024)
9c	Scrutiny of Annual return on land use	I. Already exploited	

	pattern for area under pits, reclaimed area, dumps etc.	<p>and abandoned by opencast (O-C) mining 0.000</p> <p>II. Covered under current (O-C) Workings 4.625 ha</p> <p>III. Reclaimed-rehabilitated 0.134 ha</p> <p>IV. Used for waste disposal 0.940 ha Occupied by plant, buildings, residential, welfare buildings and roads 0.060 ha</p>	
9d	Scrutiny of Annual return on afforestation	800 Saplings planted outside the lease area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	<p>Reported 6665.042 T of Dolomite stock</p> <p>Limestone stock of 391.980 T</p>	

9g	Scrutiny of Annual return on sale value, ExMine price & production costs	Mineral is used for captive consumption		
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets ₹ 13899985		
9k	Scrutiny of Annual return on mining Machineries	BACK HOE 0.9 Cu.m	02	
		AIR COMPRESSOR 12.0 CuM/Mn	01	
		DUMPER 10 T	16	
		ROCK DRILL (NON-ELE)-110 mm	01	
		ROCK DRILL (NON-ELE)-36 mm	01	

S.No	Violation Under Rule	Issued on	Compliance Received	SCN Issued on	Compliance Received
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01	11(1)	23.03.2024	-	-	-
02	12(4)	23.03.2024	-	-	-
02	31(4)	23.03.2024	-	-	-