

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
Modification in approved Mining Plan REPORT
Jabalpur regional office

General

S.N.	Particulars	Details
1	Name of the Mine	DEORA LIMESTONE MINE (344.783 ha.)
	Date of Inspection:	26.02.2024
	Name of Inspecting Officer	MadhavraoSabre (Sr. Mining Geologist, IBM Jabalpur)
	Accompanying Mine officials with designation	Shri Rahul Gopalia, AVP (Mines), Shri Ramesh Vishwakarma (Geologist) and Shri Sunil Kumar Soni (QP).
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	344.783 ha. Forest Land: Nil Non-Forest Land :344.783 Ha
3	Mine code	38MPR403007
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/441/2011
5	Name of the Lease, Address, Phone, email and fax number	M/s UltraTech Cement Limited. 'B' Wing Ahura Center, 2 nd Floor Mahakali caves Road, Andheri (E), Mumbai-400093, (Maharashtra) Email: ajit.ostwal@adityabirla.com Phone: 9702474200
6	Village	Deora, Sitapuri, Udiyapura, Muhali
7	Taluka/Mandal	Manawar
8	District	Dhar
9	Pin code	454 446
10	State	Madhya Pradesh
11	Post Office	Manawar
12	Nearest Police Station	Manawar
13	Nearest Railway Station	Indore
14	Date of Grant of Mining Lease	15-06-2022
15	Date of Execution	17-06-2022
16	Date of opening of Mine	16-01-2023
17	Date of First Renewal, if applicable and its period & expiry	NA
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	Mr. Kailash Chandra Jhanwar M/s UltraTech Cement Limited. 'A' Wing Ahura Centre, 1 st Floor Mahakali Caves Road, Andheri (East), Mumbai-400 093, (Maharashtra) Phone No. – 022- 66917421 Email Id: ajit.ostwal@adityabirla.com Date of appointment: 07-09-2022

MCDR-MIFLOLST/16/2023-JBP-IBM-RO-JBP Shri Vijay Chhabra		
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sitapuri Limestone Mine, UltraTech Cement Limited (Unit-Dhar Cement Works) Village: Tonki, Post Office: Manawar, Tehsil: Manawar, Dist.: Dhar, Madhya Pradesh-454446 Mob no- 90900 99501 Email- vijay.chhabra@adityabirla.com Date of appointment:07-09-2022
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Nikit Vyas Deora Limestone Mine, UltraTech Cement Limited (Unit-Dhar Cement Works) Village: Tonki, Post Office: Manawar, Tehsil: Manawar, Dist.: Dhar, Madhya Pradesh-454 446 Mob no- 9558944924 Email- nikit.vyas@adityabirla.com Date of appointment:12-09-2022
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Nikit Vyas Deora Limestone Mine, UltraTech Cement Limited (Unit-Dhar Cement Works) Village: Tonki, Post Office: Manawar, Tehsil: Manawar, dist.: Dhar, Madhya Pradesh-454 446 Mob no- 9558944924 Email- nikit.vyas@adityabirla.com Date of appointment:12-09-2022
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes, Shri Ramesh Vishwakarma Deora Limestone Mine, UltraTech Cement Limited (Unit-Dhar Cement Works) Village: Tonki, Post Office: Manawar, Tehsil: Manawar, dist.: Dhar, Madhya Pradesh-454 446 Mob no- 8989685391 Email- ramesh.vishwakarma@adityabirla.com
25	Date of Approval of Mine Plan/Modified Mine Plan with five-year period and specific condition in approval letter, if any.	Approval of Mining Plan vide RCOM Letter No. MP/Dhar/LST/MPLN G-01/19-20 Dated19-07-2019.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	No
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
	Captive/Non-Captive	Captive

I/31226/2024

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	00	00	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	344.783Ha	344.783Ha	Total area in G-2 category
1e	Balance reserves as on 01.04.2023		43.67 Million Tons	
1f	General remarks of Inspecting officer on geology, exploration etc.	The Exploration is yet to be taken up in Mines. General Geology of the area is as follows: The rock formations of Bagh Beds and Decan Trap of Cretaceous to Paleocene age are present in Deora-Sitapuri-Udiyapura limestone block area and indicate different facies of deposition The local stratigraphic sequence encountered in the area, based on the boreholes drilled is Black cotton soil, Basalt, Coralline Limestone, Marl, Nodular Limestone, Shale, Nimar Sandstone		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Easting: 509860 to 509920 Northing: 2470055 to 2470102	Easting: 509860 to 509920 Northing: 24702460 to 2471070	As per proposal.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.13	1:0.5	
2d	Quantity of topsoil generation in m ³	700 CUM	500 CUM	Used for plantation
2e	Quantity of overburden generation in m ³	Not Proposed	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Pits are developed as per proposal.		

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) (MT)	10000	9691	Opening of Mine on dated 16.01.2023
3c	Recovery of Salable/usable mineral from ROM production	95%	100%	

3d	Quantity of Mineral Reject generation	Not Proposed		Nil	
3e	Grade of mineral reject generation and threshold value declared	NA		Nil	
3f	Quantity of sub-grade mineral generation	Not Proposed		Nil	
3g	Grade of sub-grade mineral generation	8Not Proposed		Nil	
3h	Manual/Mechanized method adopted for segregation 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		Yes	Done, 115 mm Dia
3k	Provision of mining machineries in mineral benches	Yes		Yes	3.5 M ³ bucket capacity
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	0.14 ha		0.14 ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.13		1:0.05	
3o	Total area put in use under different heads at the end of year	Area Under Mining: 0.14 Infrastructure & Road 5.150		Area Under Mining: 0.14 Ha. Infrastructure & road 5.150	
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19	NA	NA	Opening of Mine on dated 16.01.2023
		2019-20	NA	NA	
		2020-21	NA	NA	
		2021-22	NA	NA	
		2022-23	10000 T	9691T	
		2023-24	20000 T	19742 T	
3q	General remarks of inspecting officer on method of mining etc	Mining is carried out by fully mechanized Opencast method, utilizing Heavy Earth Moving machinery in conjunction with drilling and blasting using suitable explosives.			

MCDR-MiFLOLST/16/2023-JBP-IBM_RO_JBP

Solid Waste Management-Dumping (FY2022-23)

1/31226/2024

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Not Proposed	Nil	
4b	Location of topsoil, OB & mineral reject dumps			
4c	Number of Dumps within lease area and outside lease area			
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)			
4e	Number of Active & Alive dumps			
4f	Number of dead dumps			
4g	Number of dumps established			
4h	Whether Retaining wall or garland drain all along dumps are there			
4i	Length of Retaining wall or garland drain all along dump			
4j	Number of settling ponds			
4k	Specific comments of inspecting officer on waste dump management	Top soil is used for plantation. There is no OB , limestone starts after top soil.		

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	Open of mine recently	Mining operations started recently	
5b	Area under backfilling of mined out area	NA		
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA		
5d	Total area fully reclaimed & rehabilitated	NA		
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mining operations started on 16.01.2023, so backfilling is not applicable at present.		

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-20	Yes	Yes	Submitted on 12-06-2023
6b	Management of worked/mined out benches	No Proposal	Nil	
	i) Area available for rehabilitation (Ha)	No Proposal	Nil	

MCDR-MIFLOLST/16/2023-JBP-IBM_RO_JBP				
	ii)	Afforestation done (ha)	0.08	
	iii)	No. of saplings planted during the year	200	1600
	iv)	Cumulative no. of plants	No Proposal	3100
	v)	Any other specific method of rehabilitation	No Proposal	Nil
	vi)	Cost incurred on watch & care during the year	No Proposal	Rs 2,82,129/-
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		No Proposal	Nil
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation		200 (0.08 Ha area proposed for plantation)	1600 1 Ha. Green Belt development && Another Plantation. Cumulative Plantation 3100 nos
6e	Compliance of Environment monitoring (Core zone & buffer zone)		Yes	Done regularly.
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations		During the reporting year 1600 saplings planted. Backfilling is not done as mining operations started recently.	

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Yes, ROM	ROM mineral dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Yes, Mechanical	Mechanical	
7c	Different grade of mineral sort out at mine	Not proposed	Cement Grade	
7d	Any beneficiation process at mines	Not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM mineral dispatch is carried out in the lease area. It is Captive Mine.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	500 cum	E 509789 to 509922 N 2470042 to 2470143	Used for plantation work
8b	Concurrent use or storage of topsoil	500 cum	NA	Used for plantation work
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	No proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes, In future	Started & Done in future	
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)	300 0.08Ha area proposed for plantation	1600 1 Ha. Green Belt development && Another Plantation	
8g	Survival rate	80%	90.00%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	1600 saplings planted during the Reporting year. Water sprinkling is regularly done on haul roads.		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Yes Yes	1. Annual return Submitted on dated 12/06/2023 2. Monthly return Submitted on time before 10 th of every month
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Mr. Nikit Vyas Geologist: Mr. Ramesh Vishwakarma	

I/31226/2024

MCDR-MIFLO/ST/16/2023-JBP-IBM_RO_JBP		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit Area: 0.14 Ha Infrastructure with roads: 5.15
9d	Scrutiny of Annual return on afforestation	1600 saplings were planted over 1.0 Ha. Area
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	NA, No mineral reject.
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Cement Grade
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Sale Value: NA Ex-mine price: 705.40
9i	Scrutiny of Annual return on Fixed assets	Rs 266.67 crore
9k	Scrutiny of Annual return on mining Machineries	BACK HOE 1.100 CUM 1 Non DUMPER 35.000 TONNE 2 Non