

**INDIAN BUREAU OF MINES**  
**MINERALS DEVELOPMENT AND REGULATION DIVISION**  
**MCDR Inspection REPORT**  
**Jabalpur Regional office**

1) Name of Inspecting officer:	Shri Kathroju Naveen
2) Designation	Senior Assistant Controller of Mines
3) Accompanying mine official with designation	Naval Kishore Sharma (FH-Mines) Shishir Kumar Tamrakar (Mines Manager) Rajkumar Singh (Mining Engineer) Cosmos Kerketta (Geologist)
4) Date of Inspection	25.01.2025

**Part-I: General**

S. N.	Particulars	Details
1	Name of the Mine	Majhgawan Extension Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: Nil 54.825Ha Non-Forest: Nil
3	Mine code	38MPR41006
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/441/2011
5	Name of the Lease, Address, Phone, email and fax number	UltraTech Cement Limited Aditya Vihar P.O Bharatpur Tehsil- Rampur Naikin Distt-Sidhi (MP)
6	Village	Majhgawan & Sarda
7	Taluka/Mandal	Rampur-Naikin
8	District	Sidhi
9	Pin code	486776
10	State	Madhya Pradesh
11	Post Office	Bharatpur
12	Nearest Police Station	Rampur-Naikin
13	Nearest Railway Station	Rewa
14	Date of Grant of Mining Lease	08.12.2006
15	Date of Execution	21.02.2013
16	Date of opening of Mine	18.11.2013
17	Date of First Renewal, if applicable and its period & expiry	N/A
18	Date of Second Renewal, if applicable and its period & expiry	N/A
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N/A
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	K.C Jhanwar B-Wing Ahura Center 2nd Floor Mahakali Caves Road, Andheri (East), Mumbai-400093 Date of Appointment: 19.10.2018
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Naval Kishore Sharma Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP) Date of Appointment: 27.01.2024

		<a href="mailto:navalkishore.sharma@adityabirla.com">navalkishore.sharma@adityabirla.com</a>
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Shishir Kumar Tamrakar Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)-486776 Date of Appointment: 15.09.2021 Experience: 25 years <a href="mailto:s.tamrakar@adityabirla.com">s.tamrakar@adityabirla.com</a>
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Raj Kumar Singh Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)-486776 Experience: 25 years
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
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 with PMCP approved on 29.03.2024 for period from 01.04.2024 to 31.03.2026.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	N/A
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

### Details about Mining Plan/ Mining Scheme

a) Letter No. and date of approval of mining plan	:	No. E 8585 MCDR-MPC0LST/30/2023-JBP-IBM_RO_JBP dated: 29.03.2024
b) Letter No. and date of approval of mining scheme.	:	NA
c) Condition while approving the MP/ MS/ modification	:	Review of Mining Plan
d) Period of mining plan/ mining scheme in force	:	01.04.2024 to 31.03.2026

### PART III-MCDR Report details.

#### 1.Exploration 2023-24

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	No proposal	0.00 Nos	
1b	Exploration over lease area for Geological axis 1 or 2.	G1: 54.8250ha	Total Area under G1: 54.8250	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	G1: 54.8250ha	G1: 54.8250ha	
1e	Balance reserves as on 31.03.2024	Reserves under UNFC category of 111 as on	12.56 Mn T	Depletion from the last approved

		30.09.2020 as per RMP approved dated 24.12.2020 was 20.129 million tonnes		MMP from Aug 2023 to March 2024.
1f	General remarks of Inspecting officer on geology, exploration etc.	The limestone of Majhgawan Extension lease area belongs to Rohtas stage of Semri Series of Lower Vindhyan System of Indian Stratigraphy. The limestone of Rohtas Stage and the overlying Kaimur sandstone are the only litho units that can be observed on the spurs formed along the hill slopes. The valley and hilly area are under a cover of mixed soil and talus. No structural disturbance like folds, faults, and unconformity is observed in the area. The usable limestone horizon exposed as well as encountered during exploration is generally grey to dark grey in color and fine grained banded in nature.		

## **2. Development 2023-24**

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Pit 2: E 532210 to E532470 & N 2689611 to 2689847  Pit 3: E531922 to E532285 & N2689410 to N2689583	Deviation in the location	Mining Plan Modified
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Top soil-0, Over burden 6-, Ore 7-	Top soil-0, Over burden-6, Ore -7	
2c	Stripping ratio or ore to OB ratio	1:0.78	1:0.56	
2d	Quantity of Topsoil generation in m <sup>3</sup>	0 M <sup>3</sup>	0 M <sup>3</sup>	
2e	Quantity of overburden generation in m <sup>3</sup>	488329 M <sup>3</sup>	561681 M <sup>3</sup>	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	For the deviation in the proposed Mine development, the mining Plan has Modified.		

## **3. Exploitation FY 2023-24**

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	3	3	
3b	Quantity of ROM mineral production proposed	1000000	998961	
3c	Recovery of Salable/usable mineral from ROM production	1000000	998961	

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/Mechanized method adopted for segregation from ROM	No Proposal	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	Nil	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	
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 (Ha.)	27.37Ha	22.07 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.78	1:0.89	
3o	Total area put in use under different heads at the end of year	<b>Total = 42.73 Ha</b>	<b>Total = 35.90Ha</b>	
3p	Production of ROM mineral during last five-years period, as Applicable	<b>2019-20: 1000000</b> <b>2020-21: 1000000</b> <b>2021-22: 1000000</b> <b>2022-23: 1000000</b> <b>2023-24: 1000000</b>	<b>2019-20: 494311</b> <b>2020-21: 499922</b> <b>2021-22: 789271</b> <b>2022-23: 946033</b> <b>2023-24: 998961</b>	
3q	General remarks of inspecting officer on method of mining etc	Against the proposed 100000 T reportedly 998961 T produced.		

#### **4. Solid Waste Management-Dumping 2023-24**

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	Nil	Nil	
4c	Number of Dumps within lease area and outside lease area	1	1	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Within UPL	

4e	Number of Active & Alive dumps	1	1	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps established	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Along dumps	RW & GD around pits and around existing dump	
4i	Length of Retaining wall or garland drain all along dump	Proposed RW: 50m Proposed GD: 00.00m	RW: 50m GD: 0m	
4j	Number of settling ponds	No Proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	Waste Dumping has not proposed for the reporting Year.		

### **5. Solid Waste Management-Backfilling 2023-24**

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Proposed in PIT B	Not as per proposal	
5b	Area under backfilling of mined out area	No Proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Yes	Yes, used in plantation work	
5d	Total area fully reclaimed & rehabilitated (Ha)	No Proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling has not carried out as proposed the same is rectified vide modification.		

### **6. Progressive Mine Closer Plan 2023-24**

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	Yes	Yes	
6b	Area available for rehabilitation (Ha)	No Proposal	NA	
6c	Afforestation done (ha)	1.00	0.89	
6d	No. of saplings planted during the year	2000	2000	
6e	Cumulative no. of plants	Not proposed	8150 Nos	
6f	Any other specific method of rehabilitation	No Proposal	NA	
6g	Cost incurred on watch & care during the year	No Proposal	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	No Proposal	NA	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	No Proposal	NA	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	No Proposal	NA	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	No Proposal	NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	No Proposal	NA	
6m	Compliance of Rehabilitation of waste land within lease (i)Afforestation	1.0ha	0.89 ha	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	No Proposal	Nil	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	No Proposal	Nil	
6p	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Complied	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations			

## **7. Mineral Conservation 2023-24**

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	1000000	998961	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	Nil	
7c	Different grade of mineral sort out at mine	No Proposal	Nil	
7d	Any beneficiation process at mines	No Proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Produced ROM is being dispatched.		

## **8. Environment 2023-24**

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Proposed	As per proposal	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Yes	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dump 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)	NA	8150 Nos	
8g	Survival rate	80%	85%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Observed.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area			

### **9. Compliance of Rule 45 (2023-24)**

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly and Annual Returns Submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Shishir Kumar Tamrakar (Mines Manager) Rajkumar Singh (Mining Engineer) Cosmos Kerketta (Geologist)	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pit: 22.07 Ha Dump: 6.86 Ha	
9d	Scrutiny of Annual return on afforestation	Actual- 2000Nos Survival rate- 85%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No Proposal	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	No Proposal	
9g	Scrutiny of Annual return on sale value, Ex.-Mine price & production costs	Cost of Production reported Rs. 506.51	
9i	Scrutiny of Annual return on Fixed assets	Total value of Fixed Assets Rs. 2438841126.00	
9k	Scrutiny of Annual return on mining Machineries	Drill-2 Dozer- 2 Backhoe -3 Explosive Van-01 Water tanker-1 Wheel loader -1 Dumper-8	

