

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

**Mine code: 38MPR33018**

(i)	Name of Inspecting officer	:	Shri Sudip Ranjan Mazumdar
(ii)	Designation	:	Regional Mining Geologist
(iii)	Accompanying mine official with Designation	:	Shri Naveen Singh Baghel, Mines Manager
(iv)	Date of Inspection	:	09.07.2024
(v)	Previous Inspection date	:	25.07.2023

**PART-I: GENERAL INFORMATION**

1	(a)	Mine Name	:	Jaypee Limestone Mine (249.139 Ha.)
	(b)	Registration Number	:	IBM/441/2011
	(c)	Category	:	Fully Mechanized
	(d)	Type of Working	:	Opencast
	(e)	Postal address	:	
		State	:	Madhya Pradesh
		District	:	Rewa
		Village	:	Bajjnath, Hinauti, Sonara Khamariya Narora & Madheypur
		Taluka	:	Huzur
		Post Office	:	Jaypeepuram
		Pin code	:	486450
		Fax	:	(07662) 409309
		email	:	kishore.moorjani@adityabirla.com
		Phone No	:	9587030510
(f)	Police Station	:	Chorahata	
(g)	First Opening date	:	05.08.1985	
(h)	Weekly day of rest	:	Sunday	
2	Address for Correspondence		:	UltraTech Cement Limited Unit - Bela Cement Works P.O. - Jaypeepuram, Rewa District - Rewa MP – 486450,
3	(a)	Lease Area	:	249.139 Ha.
	(b)	Period of lease	:	50 Years
	(c)	Date of Expiry	:	18.08.2031
4	Mineral Worked (Main)		:	Limestone
5	Name of address of the Lessee with Phone, email and fax number		:	M/s UltraTech Cement Limited, B wing, Ahura Centre 2nd Floor Mahakhali Caves Road Andheri (East) Mumbai 400 093 Phone - 022 66917800 Email- kailash.jhanwar@adityabirla.com

	Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	:	Shri Kailash Chandra Jhanwar B wing, Ahura Centre 2nd Floor, Mahakali Caves Road Andheri (East), Mumbai 400 093 Phone - 022 66917800 <a href="mailto:Email-kailash.jhanwar@adityabirla.com">Email-kailash.jhanwar@adityabirla.com</a> Date of Appointment – 19.10.2018
	Name of address of the Agent with Phone, email, fax number and Date of appointment	:	Shri Kishore Kumar Moorjani Sr. General Manager – Mines & Agent - Mines UltraTech Cement Limited Unit - Bela Cement Works P.O. - Jaypeepuram, Rewa District - Rewa MP – 486450, Mobile No. - 9587030510 Email – Kishore.moorjani@adityabirla.com Date of Appointment – 02.06.2023
	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Shri Naveen Singh Baghel UltraTech Cement Limited Unit - Bela Cement Works P.O. - Jaypeepuram, Rewa District - Rewa MP – 486450, Mobile No. - 9826806910 Email – Naveen.baghel@adityabirla.com Date of Appointment – 05.03.2023
	Mining Engineer Name Qualification Date of Appointment	:	Shri Rajeev Ranjan Prasad Qualification – Diploma in Mining & Mines Survey Experience – 30 Years UltraTech Cement Limited Unit - Bela Cement Works P.O. - Jaypeepuram, Rewa District - Rewa MP – 486450, Mobile No. - 9294737202 Email – rajiv.parasad@adityabirla.com Date of Appointment – 01.11.2018
	Geologist Name Qualification, Date of Appointment	:	Shri Rajesh Tripathi Qualification – M.Tech. Geology Experience – 14 Years UltraTech Cement Limited Unit - Bela Cement Works P.O. - Jaypeepuram, Rewa District - Rewa MP – 486450, Mobile No. - 9993809698 Email – Rajesh.tripathi@adityabirla.com Date of Appointment – 21.09.2022
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	Review of Mining Plan approved vide letter no. No. MP/Rewa/Limestone/RMP-24/2020-21 Jabalpur dated 02/12/2020 for the proposal period 2021-22 to 2025-26.

## PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

### Exploration: (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	2021-22: 07 BHs proposed	2021-22- 03 Bhs drilled 2022-23- 04 Bhs drilled	Nil
1b	Exploration over lease area for Geological axis 1 or 2	Not Proposed	Nil	Nil
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	Nil	Nil

1d	Balance area to be explored to bring the Geological axis in 1 or 2.	Not Proposed	Area covered under exploration G1- 249.139 Ha	Nil
1e	Balance reserves as on 01.04.2023	At the beginning of the year 1.4.2023, reserve was 22,662,405.0 tones	Depletion of reserves during the year was 1519035 tones. Balance reserves as on 01.04.2024 is 21,143,370.0 tones	As per Annual Return submitted for 2023-24
1f	General remarks of Inspecting officer on geology, exploration etc.	There is no backlog in exploration. Entire lease area has been explored under G1 level of exploration.		

**Development (2023-24)**

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	<b>Pit-1</b> E/W-516015.00 To 516520.00 N/S- 2710325.00 To 2710620.00	Nil	Deviation pointed out through violation letter
		<b>Pit-2</b> E/W-517430.00 To 517875.00 N/S- 2710960.00 To 2711395.00	<b>Pit-2</b> E/W- 516016.2751 To 516516.7383 N/S- 2710329.8669 To 2710617.4949 <b>Pit-2</b> E/W- 516622.6116 To 516928.1177 N/S- 2710350.1717 To 2710645.0927	Nil
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Topsoil –Nil, Separate benches in overburden and mineral proposed.	Topsoil –Nil, Separate benches in overburden and mineral maintained.	Nil
2c	Stripping ratio or ore to OB ratio	01:0.25 (Tons : M <sup>3</sup> )	01:1.19 (Tons : M <sup>3</sup> )	Nil
2d	Quantity of topsoil generation in m3	Not Proposed	Nil	Nil
2e	Quantity of overburden generation in m3	546338 M <sup>3</sup>	1814789 M <sup>3</sup>	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	No Development work was done in Pit 1. Deviation pointed out through violation letter		

**3. Exploitation FY (2023-24)**

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Two Pits	One Pit	Deviation pointed out through violation letter
3b	Quantity of ROM mineral production proposed	2170000 Tons	1519035 Tons	Deviation pointed out through violation letter
3c	Recovery of Salable/usable minerals from ROM production	100%	100%	Nil
3d	Quantity of mineral reject generation	Not Proposed	Nil	Nil
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Nil	Nil
3f	Quantity of sub-grade mineral generation	Not Proposed	Nil	Nil

3g	Grade of sub-grade mineral generation	Not Proposed	Nil	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Fully Mechanised	Fully Mechanised	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Proposed	As per proposal	Nil	
3k	Provision of mining machineries in mineral benches	Proposed	As per proposal	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Nil	
3m	Total area covered under excavation /pits (Ha.)	Pit-162.54 Ha	Pit-158.239 Ha	Nil	
3n	Ore to OB ratio for the pit/mine during the year	01:0.25 (Tons: M <sup>3</sup> )	01:1.19 (Tons: M <sup>3</sup> )	Nil	
3o	Total area put in use under different heads at the end of year	Pit-162.54 Ha Roads: 2.0 ha	Pit-159.239 Ha Roads: 2.0 Ha	Nil	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	2800395 Tons	1425039 Tons	Deviation for the year 2023-24 has been pointed out through violation letter
		2020-21	2800025 Tons	1447302 Tons	
		2021-22	2800000 Tons	1400957 Tons	
		2022-23	2170000 Tons	1585300 Tons	
		2023-24	2170000 Tons	1519035 Tons	
3q	General remarks of inspecting officer on method of mining etc.	ROM production was less than proposed. Deviation pointed out through violation letter			

#### 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)	Over Burden backfilling proposed in mined out area (1.16 Ha.)	4.271 Ha	Nil
4b	Location of topsoil, OB & mineral reject dumps	Backfilling of overburden proposed	Backfilling of overburden carried out	Nil
4c	Number of Dumps within lease area and outside lease area	Outside lease area :Nil	Outside lease area :Nil	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of Active & Alive dumps	NA	NA	Nil
4f	Number of dead dumps	NA	NA	Nil
4g	Number of dumps established	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	Nil	Nil
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	Garland drain maintained	Nil
4j	Number of settling ponds	Not Proposed	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Backfilling of overburden carried out		

**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	After full extraction	After full extraction	Nil
5b	Area under backfilling of mined out area	1.16 Ha	4.271 Ha	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	Nil	Nil
5d	Total area fully reclaimed & rehabilitated (Ha)	1.02 Ha	1.50 Ha	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling was done more than proposed as overburden generation was more.		

**6. Progressive Mine Closure 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	PMCP to be submitted before 1st July of every year	PMCP report submitted timely	Nil
6b	Area available for rehabilitation (Ha)	1.02 Ha	1.50 Ha	Nil
6c	Afforestation done (ha)	1.02 Ha	1.50 Ha	Nil
6d	No. of saplings planted during the year	2542 Nos	4400 Nos	Nil
6e	Cumulative no. of plants	100875 Nos	100875 Nos	Nil
6f	Any other specific method of rehabilitation	Not Proposed	Nil	Nil
6g	Cost incurred on watch & care during the year	Rs 684595	Rs 684595	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	177m X 65m X 29m	210m X 70m X 28m	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	571232 M <sup>3</sup>	1814789 M <sup>3</sup>	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	1.02 Ha	1.50 Ha	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not Proposed	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Not Proposed	Nil	Nil
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	Not Proposed	Nil	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Not Proposed	Nil	Nil
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Not Proposed	Nil	Nil

6p	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Carried Out	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP has been submitted timely.		

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

S.No	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM Dispatch	ROM Dispatch	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Proposed	Nil	Nil
7c	Different grade of mineral sort out at mine	Not Proposed	Nil	Nil
7d	Any beneficiation process at mines	Not Proposed	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM mineral dispatch is in practice		

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

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not Proposed	Nil	Nil
8b	Concurrent use or storage of topsoil	Not Proposed	Nil	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not Proposed	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Proposed	Carried Out	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	1.16 Ha (reclaimed), 1.02 Ha, Rehabilitated	4.271 Ha (reclaimed), 1.50 Ha, Rehabilitated	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Total plantation within ML area 100875 nos		Nil
8g	Survival rate	Not Proposed	80%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed	Carried Out	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is maintained		

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

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Annual return for 2023-24 have been submitted.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer, Geologist and Manager have been appointed.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings: 158.239 Ha, Occupied by plant, buildings, residential, welfare buildings and roads: 2 Ha etc.	Nil
9d	Scrutiny of Annual return on afforestation	4400 no of saplings have been planted	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Closing stock of ROM is Nil	Nil

9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Cost of Production is Rs 503.42 per tonne	Nil
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets Rs 4446144390	Nil
9k	Scrutiny of Annual return on mining Machineries	Shovel-01 No, Dumper-10 Nos, Back how:1 No etc.	Nil

**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on
11(1)	25.03.25		

**Date:**

**(SUDIP RANJAN MAZUMDAR)**  
Indian Bureau of Mines