

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

**Mine code:38MPR35266**

(i)	Name of Inspecting officer	:	Shri Sudip Ranjan Mazumdar
(ii)	Designation	:	Regional Mining Geologist
(iii)	Accompanying mine official with Designation	:	Shri Rajendra Sudhakar Ambhorkar (Mines Manager) Shri Vivek Retwij Bhardwaj (Geologist)
(iv)	Date of Inspection	:	05-10-2024

**PART-I: GENERAL INFORMATION**

1	(a)	Mine Name	:	Bhadanpur Limestone Mine
	(b)	Registration Number	:	IBM/441/2011
	(c)	Category	:	Category A Fully Mechanized
	(d)	Type of Working	:	Opencast
	(e)	Postal address	:	Village- Bhadanpur North Patti, P.O. Sarla Nagar , Tehsil- Maihar, Dist. Maihar
		State	:	Madhya Pradesh
		District	:	Maihar
		Village	:	Bhadanpur North Patti & Moharwa
		Taluka	:	Maihar
		Post Office	:	Sarlanagar
		Pin code	:	485772
		Fax	:	07674276323
		email	:	rajendra.ambhorkar@adityabirla.com
		Phone No	:	07674277067
	(f)	Police Station	:	Badera
	(g)	First Opening date	:	23.04.1975
	(h)	Weekly day of rest	:	Once in a week as per shift
2		Address for Correspondence	:	M/s UltraTech Cement Ltd. Unit- Maihar Cement Works Address – P.O. Sarlanagar, Dist. Satna Maihar M.P. 485772, Phone No. +917674-277043/67/68
3	(a)	Lease Area	:	296.956 hect
	(b)	Date of Expiry	:	31.03.2030
4		Mineral Worked (Main)	:	Limestone
5		Name of address of the Lessee with Phone, email and fax number	:	M/s UltraTech Cement Ltd. Address- Ahura Centre, B Wing, 2 <sup>nd</sup> floor, Mahakali Caves Road, Andheri (E) Mumbai 400093. Phone -022-66917800/66917801 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 Address- Ahura Centre, B Wing, 2 <sup>nd</sup> floor, Mahakali Caves Road, Andheri (E) Mumbai 400093. Phone -022-66917800/66917801 Email-kailash.jhanwar@adityabirla.com Date of appointment- 03/10/2019

	Name of address of the Agent with Phone, email, fax number and Date of appointment	:	Name- Shri. P. K. Upadhyay Address – P.O. Sarlanagar, Dist. Maihar M.P. 485772 Phone -8889252227 Email- pratyendra.upadhyay@adityabirla.com Date of appointment – 25/06/2021
	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Name- Shri. Rajendra Sudhakar Ambhorkar Address- P.O. Sarlanagar, Dist. Maihar M.P. 485772 Phone -07674-276323 Email-rajendra.ambhorkar@adityabirla.com Date of appointment -02/05/2023
	Mining Engineer Name Qualification Date of Appointment	:	Shri. S.K.Garg B.E. Mining 02/05/2023
	Geologist Name Qualification, Date of Appointment	:	Shri Vivek Retwij Bhardwaj M.Sc. Geology 01-04-2024
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	Modification in Review of Mining Pan approved vide letter np. MP/Satna/Limestone/MPLN/MOD-46/2021-22 dated 11/04/2022 for the proposal period 2022-23 to 2024-25

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

### Exploration: (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	2022-23: 28 Bhs	2022-23: 33 Bhs	Nil
1b	Exploration over lease area for Geological axis 1 or 2	2023-24: 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	Nil	Nil
1e	Balance reserves as on 01.04.2024	At the beginning of the year 1.4.2023, reserve was 31,130,334.00 tones	Depletion of reserves during the year was 631,349.00 tones. Balance reserves as on 31.3.2024 is 30,498,985.00 tones	Data as furnished in annual return for 2023-24
1f	General remarks of Inspecting officer on geology, exploration etc.	There is no backlog in exploration proposal.		

### Development (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Development Proposed in Pit-B2, Pit-A, Pit- B	Development carried out in Pit-B1, Pit-B2, Pit-A, Pit- B	The proposal has been reviewed in the Review of Mining Plan approved dated 158/02/2025 for the proposal period 2025-26 to 2029-30
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes	Yes	-do-

2c	Stripping ratio or ore to OB ratio	1:0.12 ton/cum	1:0.024 ton/cum	-do-
2d	Quantity of topsoil generation in m3	137905 cum	41930 cum	-do-
2e	Quantity of overburden generation in m3	232885 cum	15168 cum	-do-
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development carried out in Pit-B1, Pit-B2, Pit-A, Pit- B. The proposal has been reviewed in the Review of Mining Plan approved dated 158/02/2025 for the proposal period 2025-26 to 2029-30.		

**Exploitation FY (2023-24)**

S. No	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	3 Nos	4 Nos	The proposal has been reviewed in the Review of Mining Plan approved dated 158/02/2025 for the proposal period 2025-26 to 2029-30.
3b	Quantity of ROM mineral production proposed	1948360 tones	631349 tones	
3c	Recovery of Salable/usable minerals from ROM production	1948360 tones	631349 tones	
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	Nil
3f	Quantity of sub-grade mineral generation	Nil	Nil	Nil
3g	Grade of sub-grade mineral generation	Nil	Nil	Nil
3h	Manual/Mechanized method adopted for segregation from ROM	NA	NA	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	Yes	Yes	Nil
3k	Provision of mining machineries in mineral benches	Yes	Yes	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.)	123.53 Ha	118.574 Ha.	Nil
3n	Ore to OB ratio for the pit/mine during the year	1:0.11	1:0.024	Nil
3o	Total area put in use under different heads at the end of year	Total area=165.057Ha	159.518 Ha	Nil
3p	Production of ROM mineral	2022-23   1297295 tones	798830 tones	

	during last five-years period, as Applicable	2023-24	1948360 tones	631349 tones	
3q	General remarks of inspecting officer on method of mining etc.	Open cast mechanized mining in practice.			

### Solid Waste Management-Dumping (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Not Proposed	Nil	Nil
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	Nil	Nil
4c	Number of Dumps within lease area and outside lease area	Existing Old Dumps	Existing Old Dumps	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of Active & Alive dumps	Not Proposed	Nil	Nil
4f	Number of dead dumps	Existing Old Dumps	Existing Old Dumps	Nil
4g	Number of dumps established	Existing Old Dumps	Existing Old Dumps	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	Nil
4i	Length of Retaining wall or garland drain all along dump	Yes	Yes	Nil
4j	Number of settling ponds	Not Proposed	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Waste generated was proposed for backfilling in exhausted area		

### Solid Waste Management-Backfilling (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Backfilling proposed	Carried Out	Nil
5b	Area under backfilling of mined out area	2.06 Ha	0.1 Ha	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Yes	Yes	Nil
5d	Total area fully reclaimed & rehabilitated (Ha)	1.0 Ha.	0.1 Ha.	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling of waste has been done as proposed. The proposal has been reviewed in the Review of Mining Plan approved dated 158/02/2025 for the proposal period 2025-26 to 2029-30.		

### Progressive Mine Closure Plan (2023-24)

S.No	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	The holder of mining lease shall submit to the competent authority a report as per the format specified by the Indian Bureau of Mines, before 1 <sup>st</sup> day of July report every year	PMCP report has been submitted timely	Nil
6b	Area available for rehabilitation (Ha)	1.0 Ha.	0.1 Ha.	Nil

6c	Afforestation done (ha)	1.5 Ha.	1.5 Ha.	Nil
6d	No. of saplings planted during the year	3000 No's	3250 No's	Nil
6e	Cumulative no. of plants	Nil	156474 No's	Nil
6f	Any other specific method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch & care during the year	0.75 Lakh	0.75 Lakh	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Yes	Yes	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	2.06Ha	0.1 Ha	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	1.0 Ha.	1.0 Ha	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	NA	NA	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	NA	NA	Nil
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	NA	Yes	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	2.06 Ha	0.1 Ha	Nil
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Afforestation	Afforestation	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 report has been submitted timely.		

### Mineral Conservation (2023-24)

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

### Environment (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Proposed	Carried Out	Nil
8b	Concurrent use or storage of topsoil	Concurrent use Proposed	Carried Out	Nil
8c	Separate dumps for overburden waste rock,	Not Proposed	Nil	Nil

	rejects and fines (Rule 33)			
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)	Proposed	Carried Out	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	3000 Nos	3250 Nos	Nil
8g	Survival rate	80%	99%	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		

### Compliance of Rule 45 (2023-24)

S.No	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 - 118.574 Ha, Used for waste disposal: 15.960 Ha etc.	Nil
9d	Scrutiny of Annual return on afforestation	3250 nos of saplings 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 358.46 per tonne	Nil
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets Rs 1880309407	Nil
9k	Scrutiny of Annual return on mining Machineries	Shovel-01 No, Backhoe: 2No, Dozer: 1No, Dumper: 7 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
Nil					

Date :

(SUDIP RANJAN MAZUMDAR)

Indian Bureau of Mines