

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

Mine code: 38MPR419001

(i)	Name of Inspecting officer	:	Shri Sudip Ranjan Mazumdar
(ii)	Designation	:	Regional Mining Geologist
(iii)	Accompanying mine official with Designation	:	Shri Subhash Chandra Nigam, Agent -Mines. Shri Akhilesh Pratap Singh- General Manager Shri Prabhat Kumar Prasad, Mines Manager Shri Shailendra Kumar Yadav, Geologist
(iv)	Date of Inspection	:	29.10.2024
(v)	Previous Inspection date	:	18.08.2023

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	:	Borkhedi Nayagaon Limestone Mine
	(b)	Registration Number	:	IBM/441/2011
	(c)	Category	:	Fully Mechanized
	(d)	Type of Working	:	Opencast
	(e)	Postal address	:	
		State	:	Madhya Pradesh
		District	:	Neemuch
		Village	:	Nayagaon & Borkhedi
		Taluka	:	Jawad
		Post Office	:	Khor
		Pin code	:	458470
		Fax	:	NA
		email	:	vcmail@adityabirla.com; subhash.nigam@adityabirla.com
		Phone No	:	96699 54545 (Agent) / 7782920680 (Mines Manager)
	(f)	Police Station	:	Nayagaon
	(g)	First Opening date	:	04.01.2023
	(h)	Weekly day of rest	:	Sunday
2		Address for Correspondence	:	
3	(a)	Lease Area	:	453.423 Ha
	(b)	Period of lease	:	50 Years
	(c)	Date of Expiry	:	06.01.2071
4		Mineral Worked (Main)	:	
5		Name of address of the Lessee with Phone, email and fax number	:	UltraTech Cement Ltd., B Wing, Ahura Centre, 2nd Floor Mahakali Caves Road Andheri (East), Mumbai - 400093 Phone: 022-66917800, Email - vcmail@adityabirla.com; kailash.jhanwar@adityabirla.com
		Name and address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	:	Shri Kailash Chandra Jhanwar, (Managing Director) Date of appointment :19th October 2018 UltraTech Cement Ltd., B Wing, Ahura Centre, 2nd Floor Mahakali Caves, Road Andheri (East), Mumbai - 400 093 Phone No. 022 – 66917800 kailash.jhanwar@adityabirla.com

	Name and address of the Agent with Phone, email, fax number and Date of appointment	:	Shri Subhash Chandra Nigam Address - UltraTech Cement Ltd. (Unit: Vikram Cement Works), PO: Khor, Tehsil- Jawad, Dist: Neemuch, M.P. Phone - 9669954545 Email - subhash.nigam@adityabirla.com Date of appointment – 04.11.2022
	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Shri Prabhat Kumar Prasad Address - UltraTech Cement Ltd. (Unit: Vikram Cement Works), PO: Khor, Tehsil- Jawad, Dist: Neemuch, M.P. Phone – 7782920680 Email – prabhat.kumar.prasad@adityabirla.com Date of Appointment – 08.09.2023
	Mining Engineer Name Qualification Date of Appointment	:	Shri Prabhat Kumar Prasad M.Tech (Mining) Date of Appointment – 08.09.2023
	Geologist Name Qualification, Date of Appointment	:	Shri Shailendra Kumar Yadav Qualification: M.Sc. (Geology) Date of Appointment – 29.12.2022
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	Modification in Mining Plan approved vide letter no. MP/Neemuch/Limestone/MPLN/MOD-24/2022-23 Jabalpur dated 29/09/2022 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)	2022-23 : 91 Boreholes	2022-23: 09 Bhs were drilled	Violation during previous inspection was issued on 04/10/2023 and was compiled on 11/11/2023
1b	Exploration over lease area for Geological axis 1 or 2 (2023-24)	Not Proposed	2023-24: 43 Boreholes were drilled	Nil
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	Exploration Agency: M/s B K Associates Expenditure: Rs 11520750	Nil
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	Area under exploration level at the start of plan period. G1: 378.753 Ha, G2: 74.67 Ha	Area under exploration level at the end of 31.03.2024: G1: 421.825 Ha, G2: 31.598 Ha	Nil
1e	Balance reserves as on 01.04.2023	At the beginning of the year 1.4.2023, reserves was 58325926.0 tones	Depletion during the year: 55627.05 tones. Balance reserves as on 31.3.2024 is 58270298.90 tones	Data as per annual return submitted for 2023-24
1f	General remarks of Inspecting officer on geology, exploration	Violation for backlog in proposed exploration was issued on 04/10/2023 during previous inspection and was compiled on 11/11/2023.		

Development (2023-24)

S.No.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Pit-2	Pit-1	Deviation has been pointed out through violation letter
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed	Carried out	Nil

2c	Stripping ratio or ore to OB ratio	1:0.057	Nil	OB generation was Nil
2d	Quantity of topsoil generation in m3	68861 m3	19406.625 m3	Deviation has been pointed out through violation letter
2e	Quantity of overburden generation in m3	68861 m3	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit	Development has not been carried out as per proposal. Deviations has been pointed out through violation letter.		

Exploitation FY (2023-24)

S.No.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One Pit	One Pit	Nil
3b	Quantity of ROM mineral production proposed	1200000 tones	55627.05 tones	Deviation has been pointed out through violation letter
3c	Recovery of Saleable/usable minerals from ROM production	1200000 tones	55627.05 tones	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	Mechanized	Mechanized	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	Deep Hole Drilling Blasting	Deep Hole Drilling Blasting	Nil
3k	Provision of mining machineries in mineral benches	HEMM - Excavator and Dumper/Tipper Combination	HEMM - Excavator and Dumper/Tipper Combination	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.)	10.028 Ha	2.463 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	1:0.057	Nil	OB generation was Nil

3o	Total area put in use under different heads at the end of year	29.941 Ha		12.732 Ha	Nil
3p	Production of ROM mineral during last five-years period, as Applicable	2022-23	1200000 tones	74.00 tones	Nil
		2023-24	1200000 tones	55627.05 tones	Nil
3q	General remarks of inspecting officer on method of mining etc.	For less production during the year 2022-23, violation was issued on 04/10/2023 during previous inspection which was compiled on 11/11/2023. For 2023-24, deviation in production has been pointed out through violation letter.			

Solid Waste Management-Dumping (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of topsoil, and OB proposed	Separate top soil dump created	Nil
4b	Location of topsoil, OB & mineral reject dumps	E 478671 to E 478674, N 2718207 to N 2718291	E 478735 to E 478888, N 2718197 to N 2718211	Nil
4c	Number of Dumps within lease area and outside lease area	01	Nil	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Yes	Nil	Nil
4e	Number of Active & Alive dumps	01	Nil	Nil
4f	Number of dead dumps	Not proposed	Nil	Nil
4g	Number of dumps established	Not proposed	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	Nil	Nil
4j	Number of settling ponds	Not proposed	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	There was no generation of overburden. Hence, there was no overburden dump.		

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	Not proposed	Nil	Nil
5b	Area under backfilling of mined out area	Not proposed	Nil	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)	Not proposed	Nil	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mine is not matured for reclamation through backfilling.		

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	Yes, PMCP before 1 st of July of every year.	Yes, PMCP has been submitted timely along with annual return	Nil

6b	Area available for rehabilitation (Ha)	Not Proposed	Nil	Nil
6c	Afforestation done (ha)	4.075 Ha	2.55 Ha	Deviation pointed out through violation letter
6d	No. of saplings planted during the year	10188 nos of saplings	4936 nos of saplings	
6e	Cumulative no. of plants	20214 nos of saplings	4936 nos of saplings	Nil
6f	Any other specific method of rehabilitation	By Plantation	By Plantation	Nil
6g	Cost incurred on watch & care during the year	Rs 16,80,938/-	Rs 13,77,150/-	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Not Proposed	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Not Proposed	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	Not Proposed	Nil	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)	Not Proposed	Carried out	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	No. of saplings planted during the year was less than proposed. Deviation has been pointed out to lessee through violation letter		

Mineral Conservation (2023-24)

S.N.	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.		

Environment (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Carried out	Nil
8b	Concurrent use or storage of topsoil	Proposed	Carried out	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Proposed	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Not Proposed.	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed.	Nil	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	10188 nos of saplings	4936 nos of saplings	Violation pointed out
8g	Survival rate	80%	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		

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 has been submitted timely.	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.	Area Under Mining: 2.463 Ha, Occupied by plant, buildings, residential, welfare buildings and roads: 1.339 Ha, Used for any other purpose (specify) plantation, railway, Topsoil stack: 8.93 Ha	Nil
9d	Scrutiny of Annual return on afforestation	4936 Nos of saplings planted with in lease area as per data furnished in annual return	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 257.40 per tonne	Nil
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets is Rs 475773330 as furnished in annual return for 2023-24.	Nil
9k	Scrutiny of Annual return on mining Machineries	Shovel: 2 No, Drill Machine 2 No, Blasthole drill: 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
Rule 11(1)	27.02.25		

Date:

(SUDIP RANJAN MAZUMDAR)
Indian Bureau of Mines