

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

**Mine code: 38MPR51005**

(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 Vara Prasad BV, Mines Manager Shri Pushpendra Kumar Mishra- Geologist
(iv)	Date of Inspection	:	27.10.2024
(v)	Previous Inspection date	:	20.08.2023

**PART-I: GENERAL INFORMATION**

1	(a)	Mine Name	:	Vikram Cement Limestone Mine-IV
	(b)	Registration Number	:	IBM/441/2011
	(c)	Category	:	A (Fully Mechanized)
	(d)	Type of Working	:	Opencast Mechanized Mines
	(e)	Postal address	:	
		State	:	Madhya Pradesh
		District	:	Neemuch
		Village	:	Suvakheda, Morka, Segwa & Kundla
		Taluka	:	Jawad
		Post Office	:	Jawad
		Pin code	:	458 470
		Fax	:	NA
		email	:	vcmail@adityabirla.com; subhash.nigam@adityabirla.com;
		Phone No	:	96699 54545
	(f)	Police Station	:	Jawad
	(g)	First Opening date	:	20.07.2021
	(h)	Weekly day of rest	:	Sunday
2		Address for Correspondence	:	
3	(a)	Lease Area	:	52.353 Ha.
	(b)	Period of lease	:	50 Years
	(c)	Date of Expiry	:	28.06.2068
4		Mineral Worked (Main)	:	Limestone
5		Name of address of the Lessee with Phone, email and fax number	:	UltraTech Cement Ltd., First Floor, Ahura Centre,A-Wing, Mahakali Caves Road, Andheri (East), Mumbai - 400 093 Phone: 022 – 66917800 e-mail: 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 Second Floor Mahakali Caves Road, Andheri East Mumbai Maharashtra, Date of Appointment: 19.10.2018 e-mail: kailash.jhanwar@adityabirla.com

	Name of address of the Agent with Phone, email, fax number and Date of appointment	:	Shri Subhash Chandra Nigam Ultratech Cement Limited, Vikram Cement Works Vikram Nagar PO, Khor Tehsil Jawad, District Neemuch, MP 458470 Date of Appointment: 01.07.2021 Email: subhash.nigam@adityabirla.com Mobile No. 96699 54545
	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Shri Varaprasad BV Ultratech Cement Limited, Vikram Cement Works Vikram Nagar PO, Khor Tehsil Jawad, District Neemuch, MP 458470 Date of Appointment: 06.05.2024 Email: varaprasad.bv@adityabirla.com Mobile No: 8975999563
	Mining Engineer Name Qualification Date of Appointment	:	Shri Varaprasad BV Diploma in Mining Engineering Date of Appointment: 06.05.2024
	Geologist Name Qualification, Date of Appointment	:	Shri Pushpendra Kumar Mishra M.Sc. (Geology) Date of Appointment: 25.10.2021
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	Review of Mining Plan approved vide letter No. MP/Neemuch/Limestone/RMP-50/2022-23 dated 22.12.2022 for the proposal period 2023-24 to 2027- 20258

**PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS****Exploration: (2023-24)**

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not Proposed	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2	In 2023-24, 5 nos of DTH Borehole were proposed for drilling.	In 2023-24, 5 DTH Borehole have been drilled.	Nil
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	Agency-UTCL Expenditure:11,000/-	Nil
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	In 2023-24, 5 nos of DTH Borehole were proposed for drilling.	Entire ML Area 52.353 has been explored under G1 Level.	Nil
1e	Balance reserves as on 01.04.2023	At the beginning of the year 1.4.2023, reserve was 16,873,168.00 tonnes	Depletion of reserves during the year was 199950.46 tonnes. Balance reserves as on 31.3.2024 is 16,673,217.54 tonnes	Data as per annual return submitted for 2023-24.
1f	General remarks of Inspecting officer on geology, exploration etc.	There is no backlog in exploration and 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	E 485824 TO E 485988 N 2716855 TO N 2716755.	E 485824 TO E 485988 N 2716855 TO N 2716755.	Nil
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Overlying on 1 <sup>st</sup> Bench E 485824 TO E 485988 N 2716855 TO N 2716755.	Overlying on 1 <sup>st</sup> Bench E 485824 TO E 485988 N 2716855 TO N 2716755.	Nil

2c	Stripping ratio or ore to OB ratio	Not Proposed	Nil	Nil
2d	Quantity of topsoil generation in m3	3232.50 m3	3083 m3	Nil
2e	Quantity of overburden generation in m3	Not Proposed	Nil	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development work carried out as proposed.		

**Exploitation FY (2023-24)**

S. No	Item	Proposals		Actual Work	Remarks
3a	Number of pits proposed for production	One No of Pit		One No of Pit	Nil
3b	Quantity of ROM mineral production proposed	200000		199950.46	Nil
3c	Recovery of Salable/usable minerals from ROM production	200000		199950.46	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	Not proposed		Nil	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 and Blasting		Deep Hole Drilling Blasting and Blasting	Nil
3k	Provision of mining machineries in mineral benches	HEMM - Excavator Tipper/Dumper Combination		HEMM - Excavator Tipper/Dumper 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.)	2.35		1.917	Nil
3n	Ore to OB ratio for the pit/mine during the year	Not Proposed		Nil	Nil
3o	Total area put in use under different heads at the end of year	6.07		5.087	Nil
3p	Production of ROM mineral during last five-years period, as Applicable	2022-23	100000	99973.38	Nil
		2023-24	200000	199950.46	
3q	General remarks of inspecting officer on method of mining etc.	HEMM with deep hole drilling and blasting in practice			

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

S.N.	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	Not Proposed	Nil	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	Nil	Nil
4e	Number of Active & Alive dumps	Not Proposed	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 proposal for waste dump		

### **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	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	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)	Nil	Nil	Nil
6c	Afforestation done (ha)	0.40	0.11	Nil
6d	No. of saplings planted during the year	1000	1525	Nil
6e	Cumulative no. of plants	3500	3545	Nil
6f	Any other specific method of rehabilitation	By Plantation	By Plantation	Nil
6g	Cost incurred on watch & care during the year	1,65,000/-	4,25,475/-	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	Not Proposed	Nil	Nil

	rehabilitation by backfilling (iii) Afforestation on the backfilled area.			
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	1000 Nos	1525 Nos	Nil
6n	Compliance of Rehabilitation of waste land within lease (ha) Method of rehabilitation	By Plantation	By Plantation	Nil
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation	Nil
6p	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Yes	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP report has been submitted timely.		

#### 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 applicable	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 dispatch is in practised		

#### Environment (2023-24)

S.N.	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	Concurrent use	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	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)	1000 Nos	1525 Nos	Nil
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.N.	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.	Covered under current (O-C) Workings: 1.917 Ha, Occupied by plant, buildings, residential, welfare buildings and roads: 2.27 Ha etc	Nil
9d	Scrutiny of Annual return on afforestation	1525 nos of saplings planted within lease area	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 223.76 per tonne	Nil
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets Rs 475773330	Nil
9k	Scrutiny of Annual return on mining Machineries	Shovel-01 Nos, Water Tanker-01 Nos, Drill Blast Machine-01 Nos 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