

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

**Mine code: 38MPR51004**

(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 Mahesh Chandra Shrimali, Mines Manager Shri Suryanarayan Akhuli, Geologist
(iv)	Date of Inspection	:	28.10.2024
(v)	Previous Inspection date	:	19.08.2023

**PART-I : GENERAL INFORMATION**

1	(a)	Mine Name	:	Vikram Cement Limestone Mine- III
	(b)	Registration Number	:	IBM/441/2011
	(c)	Category	:	Fully Mechanized
	(d)	Type of Working	:	Opencast
	(e)	Postal address	:	
		State	:	Madhya Pradesh
		District	:	Neemuch
		Village	:	DamodarPura, Khor, Kanka , Nayagaon, Kesharpura,
		Taluka	:	Jawad
		Post Office	:	Khor
		Pin code	:	458470
		Fax	:	NA
		email	:	subhash.nigam@adityabirla.com;
		Phone No	:	96699 54545
	(f)	Police Station	:	Jawad
	(g)	First Opening date	:	4 <sup>th</sup> August 2016
	(h)	Weekly day of rest	:	Sunday
2		Address for Correspondence	:	
3	(a)	Lease Area	:	564.106(Ha)
	(b)	Period of lease	:	50 years
	(c)	Date of Expiry	:	30.11.2060
4		Mineral Worked (Main)	:	Limestone
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 of 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 of address of the Agent with Phone, email, fax number and Date of appointment	:	Shri Subhash Chandra Nigam Date of appointment :1 <sup>st</sup> July 2021 UltraTech Cement Ltd. (Unit: Vikram Cement Works), PO: Khor, Tehsil- Jawad, Dist: Neemuch, M.P. 458470. Phone No. 96699 54545 Email: subhash.nigam@adityabirla.com;
	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Shri Mahesh Chandra Shrimali Date of appointment: 1 <sup>st</sup> October 2020 UltraTech Cement Ltd. (Unit: Vikram Cement Works), PO: Khor, Tehsil- Jawad, Dist: Neemuch, M.P. 458 470. Email: mahesh.shrimali@adityabirla.com;
	Mining Engineer Name Qualification Date of Appointment	:	Shri Mahesh Chandra Shrimali B.E. (Mining) & FCC Date of appointment: 14 <sup>th</sup> Sept. 2022
	Geologist Name Qualification, Date of Appointment	:	Shri Suryanarayan Akhuli M.Sc. (Applied Geology) Date of appointment: 4 <sup>th</sup> January 2023
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	Review of Mining Plan approved vide letter no MP/Neemuch/Limestone/RMP-22/19-20 Jabalpur dated 10-12-2019 for the proposal period 2020-21 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	2020-21: 31 Nos 2021-22: 50 Nos 2022-23: Nil	2020-21: 39 Nos 2021-22: 8 Nos 2022-23: 35 Nos	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.	Exploration status at the start of Plan period: G1: 156.71 Ha, G2: 53.15 Ha, G3: 8.43 Ha and G4: 345.796 Ha	Exploration Status as on 31.03.2024: G1: 447.32 Ha, G2:116.786 Ha	Nil
1e	Balance reserves as on 01.04.2023	At the beginning of the year 1.4.2023, reserve was 40643728.0 tones	Depletion of reserves during the year was 99984.96 tones. Balance reserves as on 01.04.2024 is 40543743.04 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 proposal		

**Development (2023-24)**

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	One Bench E 481838 to E 482040 N 2715556 to N 2715730	One Bench E 481838 TO E 482040 N2715556 to N 2715730	Nil
2b	Separate benches in topsoil overburden and mineral (Rule 15)	One Bench E 481838 to E 482040 N 2715556 to N 2715730	One Bench E 481838 TO E 482040 N 2715556 to N 2715730	Nil
2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.02	Nil
2d	Quantity of topsoil generation in m3	Top soil occurs in between limestone outcrops and intermixed with limestone. Hence, it will be	1251 cum	Nil

		difficult to mine separately. However, wherever possible it will be excavated and stored separately. Due to this reason actual quantity of top soil may vary from estimated quantity. Proposed: 1300 cum.		
2e	Quantity of overburden generation in m3	Proposed 3125 cum. Actual Quantity of interburden may vary from estimation due to irregular and unpredictable interstitial clay.	1750 cum; Used in berm preparation and road making	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development was carried out as per proposal.		

**Exploitation FY (2023-24)**

S. N.	Item	Proposals		Actual Work	Remarks
3a	Number of pits proposed for production	One Pit		One Pit	Nil
3b	Quantity of ROM mineral production proposed	100000 tones		99984.96 tones	Nil
3c	Recovery of Salable/usable minerals from ROM production	100000 tones		99984.96 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	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 Blasting		Deep Hole Drilling Blasting	Nil
3k	Provision of mining machineries in mineral benches	HEMM - Excavator Dumper Combination		HEMM – Excavator 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.)	Area under mining at the end of plan period will be 3.09 Ha		Area under mining at the end of 2023-24 is 1.92 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	1:0.05		1:0.02	Nil
3o	Total area put in use under different heads at the end of year	At the end of plan period will be 11.35 Ha		At the end of 2023-24 is 11.835Ha	Net area calculated for FA is 85.75 Ha in the RMP approved dated 15/01/2025
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	100000 Tonnes	22220 Tonnes	Nil
		2020-21	100000 Tonnes	Nil	
		2021-22	100000 Tonnes	64216.86 Tonnes	
		2022-23	100000 Tonnes	99834.88 Tonnes	
		2023-24	100000 Tonnes	99984.96 Tonnes	
3q	General remarks of inspecting officer on method of mining etc.	Mining carried out by mechanized opencast method by use of HEMMs and deep hole drilling & controlled blasting.			

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

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Concurrent use 1170 cum, Storage 130 cum of Top Soil	Actual Top Soil removed: 1251cum and used for plantation purpose	Nil
4b	Location of topsoil, OB & mineral reject dumps	E481658 to E481738, N2715845 to N2715932	Concurrently used in plantation	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	Waste dump management done as per proposal.		

**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.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, PMCP before 1 <sup>st</sup> 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)	0.4	0.75	Nil
6d	No. of saplings planted during the year	1000	2010	Nil
6e	Cumulative no. of plants	13000 Nos.	10050 Nos.	Nil
6f	Any other specific method of rehabilitation	Not Proposed.	Nil	Nil
6g	Cost incurred on watch & care during the year	Rs. 2,79,000/-	Rs. 5,60,790/-	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)	Yes	Yes	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP 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 Proposed	Nil	Nil
7c	Different grade of mineral sort out at mine	Cement Grade	Cement Grade	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 practiced		

**Environment (2023-24)**

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Concurrently used	Nil
8b	Concurrent use or storage of topsoil	Proposed	Concurrently used	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 of Saplings	2010 nos of Saplings	Nil
8g	Survival rate	Not Proposed	75%	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: 1.92 Ha, Occupied by plant, buildings, residential, welfare buildings and roads: 3.265 Ha, Used for any other purpose: 6.65 Ha	Nil
9d	Scrutiny of Annual return on afforestation	2010 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 257.28 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-01 No, Tippers-04 Nos, Water Tanker-01 No, Blast Hole Drill-01 No	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