

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

Mine code: 38MPR51001

(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. Mr. Akhilesh Pratap Singh, Mines Manager Mr. Himanshu Churhe- 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 II
	(b)	Registration Number	:	IBM/441/2011
	(c)	Category	:	Fully Mechanized
	(d)	Type of Working	:	Opencast
	(e)	Postal address	:	
		State	:	Madhya Pradesh
		District	:	Neemuch
		Village	:	Suvakheda, Morka & Maheshpuria
		Taluka	:	Jawad
		Post Office	:	Khor
		Pin code	:	458470
		Fax	:	NA
		email	:	vcmail@adityabirla.com; subhash.nigam@adityabirla.com; akhilesh.p.singh@adityabirla.com;
		Phone No	:	96699 54545 (Agent) / 9826429061 (Mines Manager)
	(f)	Police Station	:	Jawad
	(g)	First Opening date	:	27.01.2006
2		Address for Correspondence	:	
3	(a)	Lease Area	:	342.612 Ha
	(b)	Period of lease	:	50 Years
	(c)	Date of Expiry	:	27.01.2052
4		Mineral Worked (Main)	:	Limestone
5		Name of address of the Lessee with Phone, email and fax number	:	UltraTech Cement Limited First Floor, Ahura Centre, A-Wing, Mahakali Caves Road, Andheri (East), Mumbai - 400 093 Phone: 022 – 66917800 Email - vcmail@adityabirla.com; kailash.jhanwar@adityabirla.com Phone - 022-66917800
		Name and address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	:	Shri Kailash Chandra Jhanwar, Managing Director, Address - UltraTech Cement Ltd., B-Wing, II Floor, Mahakali Caves Road, Andheri (East), Mumbai - 400 093,

			ajit.ostwal@adityabirla.com , Phone - 022 – 66917800 Email - kailash.jhanwar@adityabirla.com Fax - 022 – 66928109 Date of appointment – 19.10.2018
	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 96699 54545 Email - subhash.nigam@adityabirla.com Date of appointment – 01.07.2021
	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Shri Akhilesh Pratap Singh Address - UltraTech Cement Ltd. (Unit: Vikram Cement Works), PO: Khor, Tehsil- Jawad, Dist: Neemuch, M.P. Phone – 9826429061 Email - akhilesh.p.singh@adityabirla.com Date of Appointment – 14.12.2020
	Mining Engineer Name Qualification Date of Appointment	:	Shri Akhilesh Pratap Singh Qualification – Diploma in Mining Engineering Address - UltraTech Cement Ltd. (Unit: Vikram Cement Works), PO: Khor, Tehsil- Jawad, Dist: Neemuch, M.P. Phone – 9826429061 Email – Akhilesh.p.singh@adityabirla.com Date of Appointment – 14.09.2022
	Geologist Name Qualification, Date of Appointment	:	Shri Himanshu Churhe Qualification – M.Sc. Geology Address - UltraTech Cement Ltd. (Unit: Vikram Cement Works), PO: Khor, Tehsil- Jawad, Dist: Neemuch, M.P. Phone – 8821825240 Email – Himanshu.churhe@adityabirla.com Date of Appointment – 16.03.2023
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	Review of Mining Plan approved vide letter no MP/Neemuch/Limestone/RMP-23/19-20 Jabalpur dated 10-12-2019

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

S. No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year 2022-23	Not proposed	Nil	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.	As per Review of Mining plan approved dated 10-12-2019, area under G1 was 217.06 Ha; and in G2 was 125.552 Ha	As per Review of Mining plan approved dated 10-12-2019, area under G1 was 217.06 Ha; and in G2 was 125.552 Ha, in which mineralized area is 221.04 Ha and non-mineralized area is 121.572 Ha	Nil
1e	Balance reserves as on 01.04.2024	At the beginning of the year 1.4.2023, reserve was 53,262,595 tones	Depletion of reserves during the year was 3971423 tones. Balance reserves as on 01.04.2024 is 49,291,172 tones	As per Annual Return submitted for 2023-24
1f	General remarks of Inspecting officer on geology, exploration etc.	There is no back log is exploration.		

Development (2023-24)

S. No.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Pit 1, Pit2 and Pit3	Pit 1, Pit2 and Pit3	Nil
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes	Yes	Nil
2c	Stripping ratio or ore to OB ratio	1:0.50	1:0.56	Nil
2d	Quantity of topsoil generation in m3	25605	24630	Nil
2e	Quantity of overburden generation in m3	980000	889666	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development work carried out as per proposal.		

Exploitation (2023-24)

S.No.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	03	03	Nil
3b	Quantity of ROM mineral production proposed	5000000 tones	3971423 tones	Nil
3c	Recovery of Salable/usable minerals from ROM production	4700000 tones	3971423 tones	Nil
3d	Quantity of mineral reject generation.	300000 tones	Nil	Nil
3e	Grade of mineral reject generation and threshold value declared	Threshold Value: Cao >34	Nil	Nil
3f	Quantity of sub-grade mineral generation	300000 tones	Nil	Nil
3g	Grade of sub-grade mineral generation	Threshold Value: Cao >34	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 and Blasting	Deep Hole Drilling Blasting and Blasting	Nil
3k	Provision of mining machineries in mineral benches	HEMM - Excavator Dumper Combination	HEMM - Excavator 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.)	At the end of proposal period is 134.18	101.871	Nil
3n	Ore to OB ratio for the pit/mine during the year	0.50	0.56	Nil
3o	Total area put in use under different heads at the end of year	164.35 Ha	133.01 Ha	Nil
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	5200000	Nil
		2020-21	4700000	3873113
		2021-22	4700000	4044585
		2022-23	4700000	4345699.6
		2023-24	4700000	3971423
3q	General remarks of inspecting officer on method of mining etc.	Open cast method of mining practiced with deep hole drilling and blasting		

Solid Waste Management-Dumping (2023-24)

S.No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Top soil proposed for reuse and storage	Concurrent utilization in plantation	Nil
4b	Location of topsoil, OB & mineral reject dumps	Top soil proposed for reuse and storage	Concurrent utilization in plantation	Nil
4c	Number of Dumps within lease area and outside lease area	2 nos	2 nos	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of Active & Alive dumps	Dump 1 Stabilized and Dump 2 active	Dump 1 Stabilized and Dump 2 active	Nil
4f	Number of dead dumps	Dump 1 Stabilized and Dump 2 active	Dump 1 Stabilized and Dump 2 active	Nil
4g	Number of dumps established	Dump 1 Stabilized and Dump 2 active	Dump 1 Stabilized and Dump 2 active	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	Existing retaining wall & Garland drain are being maintained.	Nil
4j	Number of settling ponds	Not Proposed	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Solid waste 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	-	-	-
5b	Area under backfilling of mined out area	7.9 Ha	7.97 Ha	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Proposed	Carried out	Nil
5d	Total area fully reclaimed & rehabilitated (Ha)	0.5 Ha	1.8 Ha	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling done as proposed		

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 st of July of every year.	Yes, PMCP has been submitted timely along with annual return	Nil
6b	Area available for rehabilitation (Ha)	3.0	3.0	Nil
6c	Afforestation done (ha)	1.5 Ha	1.8 Ha	Nil
6d	No. of saplings planted during the year	5000 nos	6658 nos	Nil
6e	Cumulative no. of plants	Not Proposed	79121	Nil
6f	Any other specific method of rehabilitation	Not Proposed	Nil	Nil
6g	Cost incurred on watch & care during the year	Rs 1,87,500	Rs 18,57,582/-	Nil
6h	Compliance on reclamation and	7.9 Ha	7.97 Ha	Nil

	rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).			
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	7.9 Ha	7.97 Ha	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	1.5 Ha	1.8 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	0.5	0.5	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	0.5	0.5	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)	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.No.	Item	Proposals	Actual Work	Remarks
7a	ROM Mineral dispatch or grade wise sorting within lease area	ROM Mineral dispatch	ROM Mineral 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	Screening	Screening	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Vibrator Screening system is used for separating soil contamination.		

Environment (2023-24)

S.N.	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)	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)	Proposed	Carried out	Nil

8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	5000 nos	6658 nos	Nil
8g	Survival rate	Not Proposed	90 %	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.	Area Under Mining: 101.871 Ha, Reclaimed-Rehabilitated: 43.347 Ha, used for waste disposal: 6.61 Ha etc	Nil
9d	Scrutiny of Annual return on afforestation	6658 nos of saplings planted as furnished in annual return for 2023-24.	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 240.38 per tonne as furnished in annual return for 2023-24.	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 5 No, Drill Machine 1 No, Dumper 13 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