

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

Mine code: 38MPR33006

(i)	Name of Inspecting officer	:	Shri Sudip Ranjan Mazumdar
(ii)	Designation	:	Regional Mining Geologist
(iii)	Accompanying mine official with Designation	:	Shri Naveen Singh Baghel, Mines Manager
(iv)	Date of Inspection	:	08.07.2024
(v)	Previous Inspection date	:	26.07.2023

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	:	Jaypee Limestone Mine (200.554 Ha.)
	(b)	Registration Number	:	IBM/441/2011
	(c)	Category	:	Fully Mechanized
	(d)	Type of Working	:	Opencast
	(e)	Postal address		
		State	:	Madhya Pradesh
		District	:	Rewa
		Village	:	Sonara & Madheypur
		Taluka	:	Huzur
		Post Office	:	Jaypeepuram
		Pin code	:	486450
		Fax	:	(07662) 409309
		email	:	kishore.moorjani@adityabirla.com
		Phone No	:	9587030510
	(f)	Police Station	:	Chorahata
	(g)	First Opening date	:	05.08.1985
	(h)	Weekly day of rest	:	Sunday
2	Address for Correspondence			UltraTech Cement Limited Unit - Bela Cement Works P.O. - Jaypeepuram, Rewa District - Rewa MP – 486450,
3	(a)	Lease Area	:	200.554 Ha.
	(b)	Period of lease	:	50 Years
	(c)	Date of Expiry	:	08.08.2034
4	Mineral Worked (Main)		:	Limestone
5	Name of address of the Lessee with Phone, email and fax number		:	M/s UltraTech Cement Limited, B wing, Ahura Centre 2nd Floor Mahakhali Caves Road Andheri (East) Mumbai 400 093 Phone - 022 66917800 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 B wing, Ahura Centre 2nd Floor, Mahakali Caves Road Andheri (East), Mumbai 400 093 Phone - 022 66917800 Email- kailash.jhanwar@adityabirla.com Date of Appointment – 19.10.2018
	Name of address of the Agent with Phone, email, fax number and Date of appointment	:	Shri Kishore Kumar Moorjani Sr. General Manager – Mines & Agent - Mines UltraTech Cement Limited Unit - Bela Cement Works P.O. - Jaypeepuram, Rewa District - Rewa MP – 486450, Mobile No. - 9587030510 Email – Kishore.moorjani@adityabirla.com Date of Appointment – 02.06.2023
	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Shri Naveen Singh Baghel UltraTech Cement Limited Unit - Bela Cement Works P.O. - Jaypeepuram, Rewa District - Rewa MP – 486450, Mobile No. - 9826806910 Email – Naveen.baghel@adityabirla.com Date of Appointment – 05.03.2023
	Mining Engineer Name Qualification Date of Appointment	:	Shri Naveen Singh Baghel Qualification – Diploma in Mining & Mines Survey Experience – 25 Years UltraTech Cement Limited Unit - Bela Cement Works P.O. - Jaypeepuram, Rewa District - Rewa MP – 486450, Mobile No. - 9826806910 Email – Naveen.baghel@adityabirla.com Date of Appointment – 05.03.2023
	Geologist Name Qualification, Date of Appointment	:	Shri Amit Kumar Mishra Qualification – M.Sc. Geology Experience – 13 Years UltraTech Cement Limited Unit - Bela Cement Works P.O. - Jaypeepuram, Rewa District - Rewa MP – 486450, Mobile No. - 7024676629 Email – amit.kumar.mishra@adityabirla.com Date of Appointment – 31.08.2021
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	Review of Mining Plan approved vide letter no. MP/Rewa/Limestone/RMP-37/2018-19/7369 dated 03.01.2019 for the proposal period 2019-20 to 2023-24

PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration: (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	2019-20 – 3 hole 2020-21- 3 hole 2021-22- Not Proposed 2022-23- Not Proposed	2019-20 – Nil 2020-21- Nil 2021-22- 6 BH 2022-23- 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.	Not Proposed	Area covered under exploration G1- 184.537 Ha. G2- 8.103 Ha. G3- 7.914 Ha.	Nil
1e	Balance reserves as on 01.04.2023	At the beginning of the year 1.4.2023, reserve was 1,174,650.00 tones	Depletion of reserves during the year was 180943 tones. Balance reserves as on 01.04.2024 is 993,707.0 tones	Nil
1f	General remarks of Inspecting officer on geology, exploration etc.	There is no backlog in exploration proposal.		

Development (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Development Proposed in Pit 1	Development carried out in Pit 1	Nil
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed	Maintained	Nil
2c	Stripping ratio or ore to OB ratio	01:0.32 (Tons : M ³)	01:0.34 (Tons : M ³)	Nil
2d	Quantity of topsoil generation in m3	8346 M ³	355 M ³	Nil
2e	Quantity of overburden generation in m3	78086 M ³	78350 M ³	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development carried out in Pit A as per proposal.		

Exploitation FY (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Pit-01	Pit-01	Nil
3b	Quantity of ROM mineral production proposed	250000 tones	229342 tones	The proposal has been reviewed in the RMP approved 02/02/2024 for the proposal period 2024-25 to 2028-29
3c	Recovery of Salable/usable minerals from ROM production	100%	100%	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	Fully Mechanised	Fully Mechanised	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	Proposed	Carried out	Nil
3k	Provision of mining machineries in mineral benches	Proposed	Carried out	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.)	Pit-88.50 Ha	Pit-86.810 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	01:0.32	01:0.34	Nil
3o	Total area put in use under different heads at the end of year	Pit-88.50 Ha Infrastructure: 65 ha, Overburden /dump (temporary): 8.0 Ha	Pit-86.810 Ha Occupied by plant, buildings, residential, welfare buildings and roads: 55.55 Ha	Nil
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	250000 tones	Nil
		2020-21	250000 tones	123713 tones
		2021-22	250000 tones	125548 tones
		2022-23	250000 tones	185106 tones
		2023-24	250000 tones	229342 tones
3q	General remarks of inspecting officer on method of mining etc.	HEMM with deep hold drilling & blasting carried out as per proposal.		

Solid Waste Management-Dumping (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Backfilling Proposed	Backfilling carried out	Nil
4b	Location of topsoil, OB & mineral reject dumps	Backfilling Proposed	Backfilling carried out	Nil
4c	Number of Dumps within lease area and outside lease area	Nil	Nil	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Dumps are lying in outside of UPL	As per proposal	
4e	Number of Active & Alive dumps	NA	NA	
4f	Number of dead dumps	NA	NA	
4g	Number of dumps established	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	Nil	
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	Garland drain maintained	
4j	Number of settling ponds	Not Proposed	Nil	
4k	Specific comments of inspecting officer on waste dump management	Backfilling of overburden material carried out		

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	After full extraction	After full extraction	Nil
5b	Area under backfilling of mined out area	0.72 Ha.	Over burden backfilled in previous backfilled area. No additional area has used for backfilling.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	8346 M ³	355 M ³	Nil
5d	Total area fully reclaimed & rehabilitated (Ha)	0.64 Ha.	0.78 Ha.	Data as per PCMP return
5e	General remarks of inspecting officer on backfilling, reclamation etc	Solid waste generated has been backfilled.		

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	PMCP report to be submitted in time.	PMCP report submitted on time.	Nil
6b	Area available for rehabilitation (Ha)	0.64 Ha.	0.78 Ha.	Nil
6c	Afforestation done (ha)	0.64 Ha.	0.78 Ha.	Nil
6d	No. of saplings planted during the year	1000 Nos	1475 Nos	Nil
6e	Cumulative no. of plants	Not Proposed	88372 Nos	Nil
6f	Any other specific method of rehabilitation	Not Proposed	Nil	Nil
6g	Cost incurred on watch & care during the year	Not Proposed	Rs 229495	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	124m X 70m X 29 m	130m X 69m X 25m	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	78086 M ³	78350 M ³	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	0.64 Ha.	0.78 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	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)	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 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 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	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)	1000 Nos	1475 Nos	Nil
8g	Survival rate	Not Proposed	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 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: 86.81 Ha, Occupied by plant, buildings, residential, welfare buildings and roads: 55.55 Ha etc.	Nil
9d	Scrutiny of Annual return on afforestation	1475 no of saplings have been 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 497.01 per tonne	Nil

9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets Rs 512486094	Nil
9k	Scrutiny of Annual return on mining Machineries	Shovel-01 No, Dumper-10 Nos, Backhoe: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
Nil			

Date:

(SUDIP RANJAN MAZUMDAR)
Indian Bureau of Mines