

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

Mine code: 38MPR12076

(i)	Name of Inspecting officer	:	Shri Sudip Ranjan Mazumdar
(ii)	Designation	:	Senior Mining Geologist
(iii)	Accompanying mine official with Designation	:	Shri Sushant R. Doshi (Mine Manager) & Shri Satish Kumar (Geologist)
(iv)	Date of Inspection	:	09.10.2023
(v)	Previous Inspection date	:	18.09.2021

PART-I : GENERAL INFORMATION

1	(a)	Mine Name	:	Mohanpura Limestone Mine
	(b)	Registration Number	:	IBM/441/2011
	(c)	Category	:	A category, Fully Mechanized
	(d)	Type of Working	:	Opencast
	(e)	Postal address	:	
		State	:	Madhya Pradesh
		District	:	Dhar
		Village	:	Badiya, karondia, Attarsuma, Ghursal, Chakdud Soyla, Sali, Borghata, Chikli, Mohanpura
		Taluka	:	Gandhwani
		Post Office	:	Manawar
		Pin code	:	454446
		Fax	:	NA
		email	:	vijay.chhabra@adityabirla.com
		Phone No	:	90900 99501
	(f)	Police Station	:	Manawar
	(g)	First Opening date	:	28.09.2017
	(h)	Weekly day of rest	:	SUN
2		Address for Correspondence	:	
3	(a)	Lease Area	:	1026 Hectare
	(b)	Period of lease	:	50 years
	(c)	Date of Expiry	:	19.04.2062
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 Center, 2nd Floor, Mahakali caves Road, Andheri (E), Mumbai-400093, (Maharashtra) Email: kailash.jhanwar@adityabirla.com Phone: 022- 66917421
		Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	:	Shri Kailash Chandra Jhanwar M/s UltraTech Cement Limited, 'A' Wing Ahura Centre, 1st Floor, Mahakali Caves Road, Andheri (East), Mumbai-400 093, (Maharashtra), Phone No. – 022- 66917421 Email Id: kailash.jhanwar@adityabirla.com Date of appointment: 19-10-2018

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	Name of address of the Agent with Phone, email, fax number and Date of appointment	:	Shri Vijay Chhabra UltraTech Cement Limited, (Unit-Dhar Cement Works) Village: Tonki, Post Office: Manawar, Tehsil: Manawar, Dist.: Dhar, Madhya Pradesh-454446 Mob No- 90900 99501, Fax No- NA Email- vijay.chhabra@adityabirla.com Date of appointment:29-09-2017
	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Shri Sushant R Doshi, UltraTech Cement Limited, (Unit-Dhar Cement Works) Village: Tonki, Post Office: Manawar, Tehsil: Manawar, Dist.: Dhar, Madhya Pradesh-454446 Mob no.: 9610929132 email id: sushant.doshi@adityabirla.com Date of appointment: 12.09.2023
	Mining Engineer Name Qualification Date of Appointment	:	Shri Sushant R Doshi, B. Tech (Mining) Date of appointment: 12.09.2023
	Geologist Name Qualification, Date of Appointment	:	Shri Satish Kumar M.Sc. Geology Date of appointment: 12.11.2022
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	MP/Dhar/Limestone/RMP-41/2021-22 Jabalpur dated 11/11/2021

PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS**Exploration: (2022-23)**

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	Not proposed	In 2022-23, 6 nos of boreholes were drilled.	Nil
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	Exploration Agency: M/s United Exploration Pvt Limited, Kolkata Expenditure incurred: Rs 2.48 Lakh	Nil
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	Not proposed	Area explored under G1 level is 119.68 Ha. Balance area to be explored under G1 level is 906.32 Ha.	Nil
1e	Balance reserves as on 01.04.2023	At the beginning of the year 1.4.2022, reserves were 51.76 million tones.	Depletion during the year was 0.24 million tones. Balance reserves as on 31.03.2024 is 51.52 million tones.	Nil
1f	General remarks of Inspecting officer on geology, exploration etc.	There is no backlog is exploration proposal.		

Development (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Development proposed between coordinates 507303 E to 507590E to 2473422N to 2473650N	Development carried out between coordinates 507303 to 507580 E to 2473422 to 247340 N	Nil

2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate benches in overburden and mineral proposed	Separate benches in overburden and mineral maintained	Nil
2c	Stripping ratio or ore to OB ratio	1:0.28 m3/m3	1:0.015 m3/m3	Nil
2d	Quantity of topsoil generation in m3	In 2022-23, the proposal for top soil generation was 6725.25 cum	In 2022-23, actual top soil generation was less i.e. 1090.08 Cum	Deviation has been pointed out to lessee through Violation letter
2e	Quantity of overburden generation in m3	In 2022-23, the proposal for overburden generation 89350 Cum	In 2022-23, actual overburden generation was less i.e. 1498 Cum	Deviation has been pointed out to lessee through Violation letter
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The actual generation of top soil and overburden was less than proposal. The deviation has been pointed out to lessee through Violation letter		

3. Exploitation FY (2022-23)

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	In 2022-23, the proposal for ROM generation was 799627.5 tones	In 2022-23, actual ROM generation was less i.e. 239961.41 tones	Deviation has been pointed out to lessee through Violation letter
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	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	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	Yes	Yes	Nil

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	suitable for method of mining proposed in MP/SOM				
3m	Total area covered under excavation / pits (Ha.)	3.09 Ha	2.40 Ha	Nil	
3n	Ore to OB ratio for the pit/mine during the year	1:0.28 m3/m3	1:0.015 m3/m3	Nil	
3o	Total area put in use under different heads at the end of year	7.666 Ha	6.71 Ha	Nil	
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19	54495 tones	17 tones	Nil
		2019-20	106860 tones	2137 tones	
		2020-21	201163 tones	72009 tones	
		2021-22	300138 tones	74300.66 tones	
		2022-23	799628 tones	239961.41 tones	
3q	General remarks of inspecting officer on method of mining etc.	In 2022-23, actual ROM generation was less than proposal. Deviation has been pointed out to lessee through Violation letter.			

4. Solid Waste Management-Dumping (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of topsoil, and overburden proposed	Separate dumping of topsoil, and overburden carried out	Nil
4b	Location of topsoil, OB & mineral reject dumps	Topsoil dumping proposed between the coordinates Easting 507697 to 507786 and Northing 2474326 to 2474465. Over Burden dumping proposed between the coordinates Easting 507775 to 507986 Northing: 2474326 to 2474465	Topsoil dumping carried out between the coordinates Easting 507697 to 507743 Northing: 2474413 to 2474432. Over Burden dumping carried out between the coordinates Easting 507776 to 507985 Northing 2474375 to 2474415	Nil
4c	Number of Dumps within lease area and outside lease area	One dump within lease area	One dump within lease area	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Outside the UPL	Nil
4e	Number of Active & Alive dumps	One dump	One dump	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	Yes	Yes	Nil
4i	Length of Retaining wall or garland drain all along dump	85 mtr retaining wall & 140 mtr garland proposed for construction	100 mtr. Retaining wall & 450 Mtr Garland Drain Constructed	Nil
4j	Number of settling ponds	Not Proposed	3 Nos. settling ponds has been constructed	Nil
4k	Specific comments of inspecting officer on waste dump management	Solid waste management has been done as per proposal.		

5. Solid Waste Management-Backfilling (2022-23)

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.		

6. Progressive Mine Closure Plan (2022-23)

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)	Not proposed	NIL	Nil
6c	Afforestation done (ha)	1 Ha	1 Ha	Nil
6d	No. of saplings planted during the year	1000	4500 (3000 Nos. saplings planted as infilling).	Nil
6e	Cumulative no. of plants	5000 saplings proposed during plan period	12540 Nos of saplings	Nil
6f	Any other specific method of rehabilitation	Not proposed	Nil	Nil
6g	Cost incurred on watch & care during the year	2.0 lakhs	3.0 lakhs	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	1 Ha	1 Ha	Nil

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	Rehabilitation of waste land within lease (i) Afforestation			
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	1 Ha by plantation in green belt development	1 Ha area green belt developed 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)	Proposed	Carried out	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP report has been submitted timely and PMCP proposals have been complied.		

7. Mineral Conservation (2022-23)

S.N.	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 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	Carried out as per proposal.		

8. Environment (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal of topsoil proposed	Separate removal of topsoil carried out	Nil
8b	Concurrent use or storage of topsoil	Not proposed	Partially utilized for planation purpose	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Separate dumping of overburden proposed	Separate dumping of overburden carried out	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 proposed for plantation	4500 nos of saplings planted	Nil
8g	Survival rate	75%	86%	Nil

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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.		

9. Compliance of Rule 45 (2022-23)

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Annual return for 2022-23 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: 2.40 Ha, Top soil stack: 0.37 Ha, Waste Dump: 2.02 Ha, Infrastructure: 0.1 Ha etc.	Nil
9d	Scrutiny of Annual return on afforestation	Afforestation done over 01 Ha 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 190.60 per tonne	Nil
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets is Rs 2666767004	Nil
9k	Scrutiny of Annual return on mining Machineries	Backhoe 1 No, Tippers 17 nos, Drill Machine 1 No, Dozer 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
MCDR17 Rule 11(1)	13.11.2023		MCDR17 Rule 11 (1)	07.12.2023	20.12.2023

Date :

(SUDIP RANJAN MAZUMDAR)

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