

**MCDR INSPECTION REPORT****General Information**

<b>S.N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine	Bhadanpur Limestone Mine
	Date of Inspection:	07 <sup>th</sup> Sep. 2023
	Name of Inspecting Officer	Kathroju Naveen, Sr ACOM
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	296.956 Ha. Forest land- 163.898 Ha. Non-forest – 133.058 Ha.
3	Mine code	38MPR35266
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/4952/2011
5	Name of the Lease, Address, Phone, email and fax number	M/s UltraTech Cement Ltd. Unit- Maihar Cement Works Address – P.O. Sarlanagar, Dist. Satna Maihar M.P. 485772 Phone No. +917674-277043/67/68
6	Village	Bhadanpur North Patti, Bhadanpur South Patti, & Moharwa.
7	Taluka/Mandal	Maihar
8	District	Satna
9	Pin code	485772
10	State	M.P.
11	Post Office	Sarlanagar
12	Nearest Police Station	Badera
13	Nearest Railway Station	Maihar
14	Date of Grant of Mining Lease	24/01/1975
15	Date of Execution	22/03/1975
16	Date of opening of Mine	17/01/1979
17	Date of First Renewal, if applicable and its period & expiry	22/04/2014
18	Date of Second Renewal, if applicable and its period & expiry	12/03/2017
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. K. C. Jhanwar Address – Ahura Centre, B Wing, 2 <sup>nd</sup> floor, Mahakali Caves Road, Andheri (E) Mumbai 400093. Phone -022-66917800/66917801 Email- ajit.ostwal@adityabirla.com Date of appointment – 03/10/2019
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. P. K. Upadhyay Address – P.O. Sarlanagar, Dist. Satna

1/23121/2024

		Maihar M.P. 485772 Phone -07674-276323 Email- pratyendra.upadhyay@adityabirla.com Date of appointment – 25/06/2021
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Mr. RAJENDRA SUDHAKAR AMBHORKAR Address – P.O. Sarlanagar, Dist. Satna Maihar M.P. 485772 Phone -07674-276323 Email- <a href="mailto:rajendra.ambhorkar@adityabirla.com">rajendra.ambhorkar@adityabirla.com</a> Mo. No. 7498950618 Date of appointment – 02/05/2023
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Mr. RAJENDRA SUDHAKAR AMBHORKAR Address – P.O. Sarlanagar, Dist. Satna Maihar M.P. 485772 Phone -07674-276323 Email- <a href="mailto:rajendra.ambhorkar@adityabirla.com">rajendra.ambhorkar@adityabirla.com</a> Mo. No. 7498950618 Date of appointment – 02/05/2023
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mr. Saurabh Kumar Jain Address – P.O. Sarlanagar, Dist. Satna Maihar M.P. 485772 Phone -07674-276323 Qualification – M.Tech Applied Geology Total experience – 30 yr Email- saurabhkumar.jain@adityabirla.com Date of appointment – 06/12/2007 Mo. No. 9425426141
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	MP/Satna/Limestone/RMP-35/2019-20/840 Dated 06/03/2020
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	MP/Satna/Limestone/MPLN/MOD-46/2021-22 Dated 11/04/2022
27	Mineral(s) granted in lease and approved for Mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/Non-Captive	Captive

I/23121/2024

## Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not proposed	NIL	
1b	Exploration over lease area for Geological axis 1 or 2.	Proposed 28 bore holes	Drilled 33 bore holes	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Rs. 35.84	Rs. 35.84	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	G1-231.016Ha. NM- 65.94 Ha.	G1-231.016Ha. NM- 65.94 Ha.	
1e	Balance reserves as on 01.04.2023	111.30.90 MT 211-12.4 MT 222-2.4 MT	111-31.13 Million Tonnes 211-12.4 MT 222-2.4 MT	
1f	General remarks of Inspecting officer on geology, exploration etc.	As per the last approved document the reserves available on 01.04.2022 are 111 -32.19 MT out of which only 0.79 MT produced against the proposed 1.3 MT during the reporting year.		

## Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Pit-B1 E-485150 to 485371 N-2673334 to 2673548 E-4855527 to 485636 N-2673334 to 2673525 Pit-B2 E-485942 to 486245 N-2673217 to 2673284 E-486265 to 486373 N-2672939 to 2673065 Pit-A E-484285 to 484661 N-2672643 to 2672836	E485000 to E485200, N 2673200 to N2673500  E485500 to E 485700, N2673300 to N 2673600.	The deviation in the proposed working observed against which violation is issued under Rule 11(1).
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes, Separate benches	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.26	1:0.013	
2d	Quantity of topsoil generation in m3	Not proposed	Nil	
2e	Quantity of overburden generation in m3	147386.5 M3	10884.4 M3	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The deviation in the proposed working observed against which violation is issued under Rule 11(1).		

**Exploitation**

S.N	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	3	3	
3b	Quantity of ROM mineral production proposed (2022-23)	1297295 T	798830 T	
3c	Recovery of Salable/usable mineral from ROM production	Not proposed	Nil	
3d	Quantity of mineral reject generation	Not proposed	Nil	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Nil	
3f	Quantity of sub-grade mineral generation	Not proposed	Nil	
3g	Grade of sub-grade mineral generation	Not proposed	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Nil	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	Shovel -2.5Cum. Back Hoe- 1.2Cum, Dozer- 324 HP Dumper-50T Drill Dia- 115 mm, Tipper-16.0Cum Water Tanker- 12000Ltr.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Pit B1- 4 Benches Pit B2- 3 Benches Pit A- 3 Benches	B1- RL399-393M RL393-387M RL387-381M RL381-375M B2- RL381-375M RL375-369M RL369-363M RL363-357M RL357-351M A- RL387-381M RL381-375M RL375-373M
3m	Total area covered under	115.25Ha.	115.25Ha.	

1/23121/2024

	excavation /pits			
3n	Ore to OB ratio for the pit/mine during the year	1:0.26	1:0.013	
3o	Total area put in use under different heads at the end of year	Fy 2022-23 (Area in Ha.) Total area=156.367 Pit area- 115.74 Waste dump -15.96., Mineral storage – 0.4 Infrastructure - 20.374, Road – 3.71 Other- 0.183 .	Fy 2022-23 (Area in Ha.) Total area= 155.877 Pit area- 115.25 Waste dump - 15.96., Mineral storage – 0.4 Infrastructure - 20.374, Road – 3.71 Other- 0.183	As per the MMP approved on 11.04.2023
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19	1296429	1038317.5
		2019-20	1294885	635923
		2020-21	1297000	394000
		2021-22	1297350	707688
		2022-23	1297295	798830
3q	General remarks of inspecting officer on method of mining etc	Only 7, 98,830 Tonnes of Limestone was produced against the proposed ROM production of 12,97,295 Tonnes during 2022-2023 against which violation is issued under Rule 11(1).		

### Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Not proposed	Nil	
4b	Location of topsoil, OB & mineral reject dumps	10 Dumps proposed	10 dumps present in the lease	
4c	Number of Dumps within lease area and outside lease area	10	10	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Inside	Inside	
4e	Number of Active & Alive dumps	10	10	Active and inactive dumps
4f	Number of deed dumps	Not proposed	Nil	
4g	Number of dumps established	Not proposed	Nil	7 Mature
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	-	1320Mtr., 320Mtr. bund	

1/23121/2024

4j	Number of settling ponds	-	-	
4k	Specific commends of inspecting officer on waste dump management	No New Dumps are made in plan. Backfilling in Proposal		

### Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Yes	Yes	Being done in barrier near safety zone
5b	Area under backfilling of mined out area	2.96ha.	0.5 ha.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Yes	Not storage	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

### Progressive Mine Closer Plan

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	Yes, submitted	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Not proposed	Nil	Backfilling
	ii) Afforestation done (ha)	Not proposed	Nil	
	iii) No.of saplings planted during the year	Not proposed	Nil	
	iv) Cumulative no. of plants	Not proposed	Nil	
	v) Any other specific method of rehabilitation	Not proposed	Nil	
	vi) Cost incurred on watch & care during the year	Not proposed	Nil	

I/23121/2024

6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means	i)240763 Cum ii) 2.96Ha iii) 1.0Ha. Not proposed Not proposed	108450 Cum 0.5Ha 1.0Ha. Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	3000 1.5Ha. Not proposed	3000 1.5Ha. Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Yes Reported	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations			

### Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM dispatch is proposed	ROM produced is dispatched to captive plant	Waste Remove
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	Nil	
7c	Different grade of mineral sort out at mine	Cement	Cement	
7d	Any beneficiation process at mines	Not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

1/23121/2024

## Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Stack & use	Stack & use	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	No Dumps	Backfilling	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	being done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	being done	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	-	-	
8g	Survival rate	99%	95%	
8h	Water sprinkling on roads to control airborne dust	Yes	Done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area			

## Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly return are submitted	Monthly Return Submitted on time.
		Annual return are submitted	Annual Return Submitted on dated 21/06/23
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Shri.S.K.Garg. Geologist- S. K. Jain	Mining Engineer- R. S. Ambhorkar Geologist- S. K. Jain
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Fy 2022-23, (Area in Ha.) Total area= 155.877, Pit area- 115.25 Waste dump -15.96., Mineral storage - 0.4 Infrastructure - 20.374, Road - 3.71 Other- 0.183	Within FA



I/23121/2024

9d	Scrutiny of Annual return on Afforestation	5000 Nos,	5000 Nos,
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	Nil	Captive Not for sale
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex. Mine price for ML 387.84	
9i	Scrutiny of Annual return on Fixed assets	Total FA for Mines 8.36 cr.	Nil
9k	Scrutiny of Annual return on mining Machineris	Shovel -2.5 Cum. Back Hoe- 1.2 Cum, Dozer- 324 HP Dumper-50 T Drill Dia- 115 mm, Tipper- 16.0 Cum Water Tanker- 12000 Ltr.	

Details of Validations observed during current inspection and compliance position of earlier violation pointed out:-Details is given below:

S.No	Violation Pointed out Under MCDR-2017	Date of Issue of VL	Compliance received	Date of Issue of SCN	Compliance received on for SCN
1	Rule 11(1)	15.12.2023	-	-	-
2	Rule 34A (2)	15.12.2023	-	-	

Name: Kathroju Naveen  
Designation: Sr.Assistant Controller of mines