

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

S.N.	Particulars	Details
1	Name of the Mine	Bhadanpur Limestone Mine
	Date of Inspection:	06 <sup>th</sup> Sep. 2023
	Name of Inspecting Officer	Kathroju Naveen
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	217.681 Ha. Non-forest – Nil
3	Mine code	38 MPR 35115
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, &Umrou.
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	22/06/1979
15	Date of Execution	22/06/1979
16	Date of opening of Mine	22/06/1979
17	Date of First Renewal, if applicable and its period & expiry	22.06.1999
18	Date of Second Renewal, if applicable and its period & expiry	22.06.2019
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 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. S. K. Garg Address –P.O.-Sarlanagar, Dist. Satna Maihar M.P. 485772 ,Phone -07674-276323 Qualification – BE Mining, Total experience – 23 yr Email- satish.garg@adityabirla.com

1/23187/2024

		Date of appointment – 27/01/1999
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mr. Shivendra Singh Address – P.O. Sarlanagar, Dist. Satna Maihar M.P. 485772 ,Phone -07674-276323 Qualification – M. Sc. Geology Total experience – 10 yr Email- <a href="mailto:shivendrasingh.parihar@adityabirla.com">shivendrasingh.parihar@adityabirla.com</a> Date of appointment – 14/03/2023 Mo. No. 7566041193
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Vide letter MP/SATNA/LIMESTONE/RMP-53/2018-19/7682 dated 05.03.2019 Plan Period 01.04.2019 TO 31.03.2024
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-23/2022-23/2395 dated 26.08.2022
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

#### 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 07 bore holes In 22-23	07 Boreholes drilled during 2022-23.	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Rs. 8.672	Rs. 8.672	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	G1-140.33ha.& NM- 77.35Ha.	G1-140.33ha.& NM- 77.35Ha.	
1e	Balance reserves as on 01.04.2023	111-13.72 Million Tonnes 211-22.41 Million Tonnes	111-13.42 Million Tonnes 211- 22.41 Million Tonnes	
1f	General remarks of Inspecting officer on geology, exploration etc.	As per the last approved Modification of Mining Plan the balance reserves as on 01.04.2022 are 1,43,22,336 T out of which it is proposed to produce 8,99,230T during 2022-23 against which the achieved production is 6,02,116 T.		

#### Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	E-482500 to 482725 N-2670195 to 2670710  E-482795 to 483018 N-2671188 to 2671527	E485000 to E485200, N 2673200 to N2673500  E485500 to E 485700, N2673300 to N2673600.	The Deviation in the proposed development observed against which the violation is issued under Rule 11(1)
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes, Separate benches	Yes	

MCDR-MiFLOLST/53/2023-JBP-IBM\_RO\_JBP

1/23187/2024

2c	Stripping ratio or ore to OB ratio	1:0.178	1:0.04	
2d	Quantity of topsoil generation in m <sup>3</sup>	NIL	Around 695 Cu.m as reported by the lessee	
2e	Quantity of overburden generation in m <sup>3</sup>	33040 M <sup>3</sup>	24219.1 M <sup>3</sup>	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The Deviation in the proposed development observed against which the violation is issued under Rule 11(1)		

**Exploitation**

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	2	2	
3b	Quantity of ROM mineral production proposed (2022-23)	899230 T	602116 T	
3c	Recovery of Salable/Usable mineral from ROM production	Yes	Yes	
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	90000	35424	
3g	Grade of sub-grade mineral generation	Not proposed	Nil	34-38 Cao
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	Back Hoe- 1.2Cum, DrillDia- 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 E- 5 Benches Pit ND- 3 Benches	<b>Pit-E</b> RL 403-399m RL 399-393m RL 393-387m RL 387-381m RL 381-378m RL 378-375m <b>Pit-ND</b> RL 397-393m RL 393-387m RL 387-382m
3m	Total area covered under excavation /pits	53.09 ha	52.970 ha as reported by the lessee	
3n	Ore to OB ratio for the pit/mine during the year	1:0.178	1:0.04	
3o	Total area put in use under different heads at the end of year	Fy 2022-23 (Area in Ha.) Total area=80.63 Pit area- 53.69 Waste dump -4.34, Mineral storage – 1.0	Fy 2022-23 (Area in Ha.) Total area=78.91 Pit area- 52.97 Waste dump - 4.34, Mineral	Within FA

I/23187/2024

		Infrastructure -0.5 Road – 8.1 Other- 13.0 .	storage – 0 Infrastructure -0.5 Road – 8.1 Other- 13.0	
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19	899775	704472
		2019-20	899250	868781
		2020-21	899500	790080
		2021-22	876598	526960
		2022-23	899230	602116
3q	General remarks of inspecting officer on method of mining etc	Only 6,02,116 Tonnes of Limestone was produced against the proposed ROM production of 8,99,230 Tonnes during 2022-2023 against which the 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)	No storage	No storage	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Nil	
4c	Number of Dumps within lease area and outside lease area	02	02	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Inside the UPL	Inside the UPL	
4e	Number of Active & Alive dumps	01	01	
4f	Number of deed dumps	Not proposed	Nil	
4g	Number of dumps established	One Dump is stabilized	One Dump is stabilized	
4h	Whether Retaining wall or garland drain all along dumps are there	Bund/drain	Bund/drain	
4i	Length of Retaining wall or garland drain all along dump	Not proposed.	Garland drain along dump 600mtr as reported.	
4j	Number of settling ponds	-	-	
4k	Specific commends of inspecting officer on waste dump management			

**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	As per the proposal.	
5b	Area under backfilling of mined out area	0.8ha.	1.0 ha.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Very less quantity of top soil is generated which was used for plantation as reported by lessee during field inspection.	
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	Not proposed	Nil	
	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	
6c	Compliance on reclamation and rehabilitation by backfilling			
	i) Voids available for backfilling (L*B*D)			
	ii) Void filled by waste/tailings	ii) 0.8Ha	1.0Ha	
	iii) Afforestation on the backfilling	iii) 1.0Ha.	1.0Ha.	
	iv) Rehabilitation by making water reservoir	iii) Not proposed	Nil	
	v) Any other specific means	iv) Not proposed	Nil	
6d	Compliance of Rehabilitation of waste land within lease			
	i) Afforestation	i).7600	7600	
	ii) Area rehabilitation	ii).3.8Ha.	3.8Ha.	
	iii) Method of rehabilitation	iii). Not proposed	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	PMCP report is submitted.		

I/23187/2024

**Mineral Conservation**

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Proposed ROM dispatch	ROM is being dispatched for captive consumption	Waste Remove
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	Not Applicable	
7c	Different grade of mineral sort out at mine	Cement	Cement	
7d	Any beneficiation process at mines	Not proposed	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No grade wise sorting is proposed.		

**Environment**

iS.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 Dumping is proposed	Backfilling	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Backfilling done as proposed	
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)	52281 10000	52281 9600	
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- S. K. Garg Geologist- Shivendra Singh	Mining Engineer- S. K. Garg Geologist- Shivendra Singh
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(Area in Ha.) Total area= <b>78.91</b> Pit area- 52.97, Waste dump -4.34, Mineral storage – 0 Infrastructure - 0.5 Road – 8.1, Other- 13.0	Within FA
9d	Scrutiny of Annual return on Afforestation	9600 Nos,	9600 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	Nil

MCDR-MiFLOLST/53/2023-JBP-IBM\_RO\_JBP

I/23187/2024

9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex. Mine Price – 292.71	Captive Not for sale
9j	Scrutiny of Annual return on Fixed assets	Total FA for ML 5.133 cr.	
9k	Scrutiny of Annual return on mining Machineries	Back Hoe- 2.3Cum Drill dia. 115 mm, Tipper 16.0Cum FRONT END LOADER -1.3Cum	

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)	31.10.2023	15.12.2023	-	-
2	Rule 34A (2)	31.10.2023	15.12.2023	-	

**Name: Kathroju Naveen**

**Sr.Assistant Controller of mines**