

**INSPECTION DATASHEET****General**

S.N.	Particulars	Details
1	Name of the Mine	Bhadanpur & Piprahat Limestone Mine
	Date of Inspection:	14 <sup>th</sup> July 2023
	Name of Inspecting Officer	Mr. Abhay Agarwal & Pukhraj Nenival
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	663.00 Ha. Non-forest – 663.00 Ha.
3	Mine code	38 MPR 35274
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, Piprahat & Srinagar
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	03/01/2002
15	Date of Execution	28/03/2002
16	Date of opening of Mine	16/08/2004
17	Date of First Renewal, if applicable and its period & expiry	Nil
18	Date of Second Renewal, if applicable and its period & expiry	Nil
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 (East) 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

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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
		Mr. A. K. Singh Address – P.O. Sarlanagar, Dist. Satna Maihar M.P. 485772 Phone -07674-276323 Email- <a href="mailto:arvindkumar.singh@adityabirla.com">arvindkumar.singh@adityabirla.com</a> Mo. No. 9425811187 Date of appointment – 01/11/2010
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Mr. Amit Pateriya Address – P.O. Sarlanagar, Dist. Satna Maihar M.P. 485772 Phone -07674-276323 Qualification – BE Mining Total experience – 16Yrs Email- <a href="mailto:amit.pateriya@adityabirla.com">amit.pateriya@adityabirla.com</a>
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mr. S. K. 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
		Mr. Akhlesh Kumar Ray Address – P.O. Sarlanagar, Dist. Satna Maihar M.P. 485772 Phone -07674-276323 Qualification – M.Tech (Applied Geology) Total experience – 12Yrs Email- <a href="mailto:akhlesh.ray@adityabirla.com">akhlesh.ray@adityabirla.com</a> Date of appointment – 15/11/2012
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-45/2021-22/6251 Dated 15/11/2021 Modified Mine Plan – From 2022-2027
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	E 2519 MCDR-MPCOLST/12/2022-JBP-IBM_RO_JBP Dated 20/02/2023 Modified Mine Plan – From 2023-24-2027
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	1530 MTR	767	
1b	Exploration over lease area for Geological axis 1 or 2.	1530 MTR	767	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Rs. 20.0	Rs. 24.5	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	G1-605.77 ha.	G1-605.77 ha.	
1e	Balance reserves as on 01.04.2023		111-78.498 Million Tonnes 211- 68.419 Million Tonnes	
1f	General remarks of Inspecting officer on geology, exploration etc.	Available area has been explored to G1 level. Remaining area is yet to be acquired.		

**Development**

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Eastern Block pit-E1 Western Block pit-W3	Yes, E1 & W3	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes, Separate benches	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.09	1:0.06	
2d	Quantity of topsoil generation in m <sup>3</sup>	36572 M <sup>3</sup>	10534.99 M <sup>3</sup>	
2e	Quantity of overburden generation in m <sup>3</sup>	247816.4 M <sup>3</sup>	188965 M <sup>3</sup>	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development work is lagging behind. Violation has been pointed out.		

**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)	2199669	1972918	
3c	Recovery of Salable/usable mineral from ROM production	Yes	Yes	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	219966	219966	
3g	Grade of sub-grade mineral generation	Yes	Yes	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	Nil	Nil	

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3j	Provision of drilling & blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	Back Hoe- 1.2M <sup>3</sup> , Drill Dia- 115 mm, Tipper- 16 M <sup>3</sup> Water Tanker- 12000Ltr.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Pit E1 - 5 Benches Pit W3- 6 Benches	
3m	Total area covered under excavation /pits	149.398Ha.	149.398Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.09	1:0.06	
3o	Total area put in use under different heads at the end of year	190.56Ha.	149.398Ha.	
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19	2199825	2199739
		2019-20	2199825	2164852
		2020-21	2199990	1980539
		2021-22	2199990	2158194
		2022-23	2199669	1972918
3q	General remarks of inspecting officer on method of mining etc.	Less production is raised, violation has been pointed out.		

#### **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	Nil	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)	NA	NA	
4e	Number of Active & Alive dumps	NA	NA	
4f	Number of deed dumps	Nil	Nil	
4g	Number of dumps established	Nil	Nil	
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	6400m x 2m x 1m	6400m x 2m x 1m	
4j	Number of settling ponds	-	-	

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4k	Specific commends of inspecting officer on waste dump management	No comments
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**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	1.0ha.	0.6 ha.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	used	used	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Lesser area is backfilled against the proposed. Violation has been pointed out.		

**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 by letter No. MCW/PKU/ Mine23/ 122 Dtd 20/06/2023	
6b	Management of worked/mined out benches		Nil	
	i) Area available for rehabilitation (Ha)	No	-	
	ii) Afforestation done (ha)	-	-	
	iii) No.of saplings planted during the year	-	-	
	iv) Cumulative no. of plants	-	-	
	v) Any other specific method of rehabilitation	--	--	
	vi) Cost incurred on watch & care during the year	-	-	

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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	ii) 1.0Ha iii) 1.5Ha.	0.6Ha 1.6Ha.	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	3000 1.0Ha.	3200 0.6Ha.	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Yes Reported	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Nil		

**Mineral Conservation**

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Yes ,ROM mineral dispatch or grade wise sorting within Mining lease area	Yes ,ROM mineral dispatch or grade wise sorting within Mining lease area	Waste Removal
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sort out at mine	Cement	Cement	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

**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 & used	Stack & used	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	No Dumps	No Dumps exist	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Yes, being done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Yes ,being done	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Yes	Yes	
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	Nil		

**Compliance of Rule 45**

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly returns are submitted before 9 <sup>th</sup> of every months as per MCDR 2017	
		Annual return is submitted on dated 20 <sup>th</sup> June 2023 on IBM Portal as per MCDR 2017	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Already comply both Mining Engineer- Mr. Amit Pateriya Geologist- Mr. Akhlesh Kumar Ray	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern area are Pit - 149.398 Ha. Backfilling -12.33Ha. Infrastructure -1.0Ha.	Within FA Limit
9d	Scrutiny of Annual return on Afforestation	3000 Nos.	3200 Nos.
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil

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9f	Scrutiny of Annual return on ROM stock and/or grade ore	Ex. Mine Price – Rs 382.19	Captive, not for sale
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Total FA for three Mines Rs 10.10 cr.	38MPR35274
9i	Scrutiny of Annual return on Fixed assets	Nil	Nil
9k	Scrutiny of Annual return on mining Machineries	Deployed Mining Machineries are Back Hoe- 1.2cum Drill dia. 115 mm, Tipper 16.0Cum Water Tanker- 12000Ltr.	

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

Violations were issued vide this office letter no. MP/Satna/Lst-314/2974 dated 11/11/2022 under rule 11(1) & 45(7) of MCDR 2017. Reply of the violation was received vide letter no. MCW/PKU/2022/293 dated 02/12/2022 and were considered complied.

During the current inspection violation of rule 11(1) of MCDR 2017 were issued.

Date:01/08/2023

Name: Pukhraj Nenival

Designation: Regional Controller of mines