

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION**

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/PAL-46/LIM-4

Mine code : 38RAJ21011

- (i) Name of the Inspecting : **DJ03**) **DILIP JAIN**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri Bharat Gokhru, Agent, Sri Rajul Asati, Geologist
Official with
Designation
- (iv) Date of Inspection : 24-OCT-24
- (v) Prev.inspection date : 10-SEP-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MOHRAI DAGLA 29/99**
- (b) **Registration NO.** : **IBM/441/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : PALI
Village :
Taluka :
Post office :
Pin Code :
FAX No. : 01412378980
E-mail : jagdish.gadiya@adityabirla
Phone : 01412378481
- (f) Police Station : Jaitaran
- (g) First opening date : 20-JUL-15
- (h) Weekly day of rest : SUN
2. Address for : C-98,Sanghi UpasanaTower
correspondance Subhash Marg,
Jaipur(Rajasthan)-302001.
3. (a) Lease Number : RAJ5427
- (b) Lease area : 689.76
- (c) Period of lease : 50
- (d) Date of Expiry : 19-MAR-65
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : ULTRA TECH CEMENT LTD.
 B WING, AHURA CENTRE, 2nd
 FLOOR, MAHAKALI CAVES ROAD,
 ANDHERI EAST, MUMBAI MUMBAI
 (SUBURBAN) MAHARASHTRA
 Phone:+911412378980/81
 FAX :+911412378980

Owner : K C Jhanwar
 A' Wing, 2nd Floor, Ahura
 Centre, Mahakali Caves
 Road, Andheri (E), Mumbai-
 400093. PALI RAJASTHAN
 Phone: 022-66917800
 FAX :

Agent : Sh. Bharat Gokharu
 Pali Cement Works
 Village:Nimbera, Tehsil:
 Jaitaran District- Beawar,
 Rajasthan AJMER RAJASTHAN
 Phone:
 FAX :

Mining Engineer

Name : Mr Pradeep Dadhich,Full Time
 Qualification : BE Mining
 Appointment/ : 25-JAN-22
 Termination date

Geologist

Name : Mr Rajul Asati,Full Time
 Qualification : M.Sc. Geology
 Appointment/ : 01-AUG-24
 Termination date

Manager

Name : Sh. Rajendra Mertia
 Qualification : BE Mining
 Appointment/ : 01-JUL-24
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	19-MAR-13
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	23-AUG-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal of exploration during previous year i.e. 2022-23.	A total 29 Bhs with 4238 mts of drilling was carried out during the previous year.	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration during reporting year (RY) i.e. 2023-24.	No exploration during reporting year (RY) 2023-24.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable as no proposal exploration during RY.	Not applicable.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	An area of 3.93 hectare of G3 level was furnished in the approved document dated 23/11/2020.	As per approved document dated 26/01/2025, an area of around 71.06 hectare yet to bring under G1/G2.	Proposal of exploration by 56 numbers of BHs with 5696mts of drilling has been given in the approved document dated 26/01/2025.
1e	Balance reserve as on 01/04/20	The position of reserve and resource as per approved document dated 23/11/2020 was 191.10 and 47.35 million tons respectively.	The position of reserve and resource as on 01/04/2024 was 185.50 and 47.35 million tons respectively.	The position of reserve and resource as on 01/04/2024 based on the annual return 2023-24.

1f	General remarks of inspecting officers on geology, exploration etc	Total potentially mineralized area is about 484.39 hectare and about 413.33 hectare area explored under G1 level. Proposal of exploration has been furnished to explore remaining area under G1 level in recent approved RMP dated 26/01/2025.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Existing Pit - 1 and Pit-3 has been proposed to development during RY 2023-24.	The development has been carried out in proposed Pit-1 and Pit-3. The development was within approved limit for RY 2023-24.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No separate bench proposed for topsoil & OB only mineral bench proposed with 8m height.	Benched was developed in mineral as per proposal.	OB in the form of intercalation.
2c	Stripping ratio or ore to OB ratio	1:0.20 CuM/T	1:0.15 CuM/T	Violation of rule 11(1) of MCDR, 2017 issued for deviation in stripping ratio was issued vide letter dated 25/11/2024.
2d	Quantity of topsoil generation in m3	No Proposal of top soil generation.	No top soil generation during RY.	Nil
2e	Quantity of overburden generation in m3	1182704 Cum	756780.28 Cum	Less waste generation due to less production in account of less requirement form the captive cement plant.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development has been carried out within the approved limit for the RY. However, deviation in stripping ratio was observed for violation of rule 11(1) of MCDR, 2017 issued vide letter dated 25/11/2024.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	(Pit No. 1 & Pit No. 3)	(Pit No. 1 & Pit No. 3)	Out of total 4 Pits, 2 Pits were proposed for production.
3b	Quantity of ROM mineral production proposed	5773343 tons	4909643 tons	Less production of ROM in account of less requirement from captive cement plant.
3c	Recovery of sailable/usable mineral from ROM production	91%	90%	Nil
3d	Quantity of mineral reject generation	519601 tons (Screen Reject)	490431 tons (Screen Reject)	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Screen Reject below threshold value.	CaO - 24 % SiO ₂ - 36% Al ₂ O ₃ -9%	Grade of screen Reject. No mineral reject generation.
3f	Quantity of sub grade mineral generation.	No proposal.	No sub-grade mineral generation during RY.	Nil
3g	Grade of sub grade mineral generation	No proposal.	No sub-grade mineral generation during RY.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method for ROM processing i.e. crushing and screening.	ROM is being processed as per proposal.	Nil

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	None.	Nil
3j	Provision of drilling and blasting in mineral benches	DTH Drilling 115mm & Blasting Proposed.	Drilling & Blasting carried out.	Nil
3k	Provision of mining machineries in mineral benches	Excavator, dumpers, drill machines & dozer etc.	Excavator, dumpers, drill machines & dozer etc.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8m bench height proposed which is suitable for method of mining.	Bench height of 8 meter was observed.	Nil
3m	Total area covered under excavation/pits	An area of 70.253 hectare at the end of plan period i.e. 31.03.2025	An area of 35.55 hectare at the end of 31.03.2024.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.20 CuM/T	1:0.15 CuM/T	Violation of rule 11(1) of MCDR, 2017 issued for deviation in stripping ratio was issued vide letter dated 25/11/2024.
3o	Total area put in use under different heads at the end of year	An area of 111.469 hectare at the end of plan period i.e. 31.03.2025	An area of 66.81 hectare at the end of 31.03.2024.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 664682 2020-21: 297000 2021-22: 2221988 2022-23: 5254295 2023-24: 5773343	2019-20: 20060 2020-21: 4300 2021-22: 15910.45 2022-23: 1166378 2023-24: 4909643	Figures in tons.

3q	General remarks of inspecting officers on method of mining etc.	Open cast method with use of HEMM is being used for carrying out mining operations in the lease area which is best suitable method of mining for type of the deposit for optimum extraction of ore.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of OB (intercalated waste) and screen reject proposed. No proposal of top soil generation.	Waste and screen reject dumped separately. No top soil generation during the RY.	Nil
4b	Location of topsoil, OB and mineral reject dumps	The dumping of the waste was proposed over existing waste dump namely WD-1, Wd-2 and WD-3 during RY 2023-24.	Waste dumping was observed within approved limit of waste dumps namely WD-1 and WD-3. Deviation in waste dumping has been observed in WD-2.	Violation of rule 11(1) of MCDR, 2017 issued for deviation in waste dumping vide letter dated 25/11/2024.
4c	Number of dumps within lease area and outside of lease area	03 dumps.	03 dumps (waste and screen reject).	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL.	Outside UPL.	Nil
4e	Number of active and alive dumps.	03 Dumps.	03 Dumps.	Nil
4f	Number of dead dumps.	No proposal.	None.	Nil
4g	Number of dumps established.	No proposal.	None.	Nil

4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain =0m Retaining wall: 489 mts.	Garland drain =0m Retaining wall: 100 mts.	Violation of rule 11(1) of MCDR, 2017 issued for deviation in construction of retaining wall issued vide letter dated 25/11/2024.
4i	Length of Retaining wall or garland drain all along dumps	Garland drain =0m Retaining wall: 489 mts.	Garland drain =0m Retaining wall: 100 mts.	Violation of rule 11(1) of MCDR, 2017 issued for deviation in construction of retaining wall issued vide letter dated 25/11/2024.
4j	Number of settling ponds	No proposal.	None.	Nil
4k	Specific comments of inspecting officer on waste dump management			Waste dumping in WD-2 was carried out of approved limit for which violation of rule 11(1) of MCDR, 2017 was issued vide letter dated 25/11/2024. Violation of rule 11(1) of MCDR, 2017 issued for deviation in construction of retaining wall.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal of part or full extraction.	The pit is active hence there was no proposal for back filling.	Nil
5b	Area under backfilling of mined out area	No proposal of backfilling.	The pit is active hence there was no proposal for back filling.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation.	Top soil has not been generated during the RY.	Nil

5d	Total area fully reclaimed and rehabilitated	No proposal of reclamation and rehabilitation during RY.	None of the pit area matured for reclamation and rehabilitation during RY.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			None of the pit area matured for reclamation and rehabilitation, hence, no proposal and work under backfilling and rehabilitation.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	As per rule 26(2) of MCDR, 2017, PMCP report to be submitted for previous year by 1st July.	Annual PMCP report for reporting year i.e., 2023-24 has been submitted	Submitted along with Annual return 2023-24.
6b	Area available for rehabilitation (ha) .	No proposal.	Not applicable.	Nil
6c	afforestation done (ha).	2 Hact.	2.94 Hact.	Nil
6d	No. of saplings planted during the year	2000 nos.	5500 nos.	Nil
6e	Cumulative no .of plants	Not specified.	53838 nos at the end of 31/03/2024.	Nil
6f	Any other method of rehabilitation	No proposal.	None.	Nil
6g	Cost incurred on watch and care during the year	No specific proposal.	Rs. 870100.00	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Not applicable.	Nil

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Not applicable.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal.	Not applicable.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Not applicable.	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Not applicable.	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	2000 nos.	5500 nos.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	2 Hact.	2.94 Hact.	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation.	Plantation.	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposal has been given for environment monitoring.	The Environmental Monitoring (Core & Buffer Zone) is being done regularly. Few reports have been checked and parameters are found within permissible limit.	Nil

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	The PMCP compliance is satisfactory.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Usable grade of limestone from ROM mineral will dispatched.	Usable grade of limestone from ROM mineral has been dispatched to captive cement plant.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized method for ROM processing i.e. crushing and screening.	ROM is being processed as per proposal.	Nil
7c	Different grade of mineral sorted out at mines.	Cement grade and screen reject (below threshold value.	Usable grade of limestone obtained from ROM after crushing and screening dispatched to captive cement plant and screen reject dumped in screen reject dump.	Nil
7d	Any beneficiation process at mines .	No proposal of beneficiation. Sizing of ROM through crushing and screening.	No beneficiation. Sizing of ROM through crushing and screening.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issues related to mineral conservation observed.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation.	Top soil has not been generated during RY.	Nil

8b	Concurrent use or storage of topsoil	Not applicable as no proposal of top soil generation during RY.	Not applicable.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, Proposal given for separate dumping of waste and screen reject dump.	Waste dumping has not been carried out as per approved proposal.	Violation of rule 11(1) of MCDR, 2017 issued for deviation in waste dumping.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	None.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	None.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2000 nos of saplings have been proposed over an area of 2.0 hectare during RY 2023-24.	5500 nos of saplings have been planted over an area of 2.9 hectare during RY 2023-24.	Cumulative 53838 trees planted up to 31/03/2024.
8g	Survival rate	No specific proposal.	92%	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed to control air born dust due to mining activity.	Water sprinkling observed during mine inspection.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty around the mine is maintained.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR, 2017 monthly and annual return shall be submitted to RCOM.	Monthly and annual return for the RY as per rule 45 of MCDR, 2017 has been submitted.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The information of Manger, Mining Engineer and Geologist is furnished.	Mine Manager, Mining Engineer and Geologist has been appointed.v	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	OC working: 35.550 hect, Waste disposal: 12.280 hect Infrastructure : 16.58 hect and Other: 2.40 hect.	The information on land use furnished appears in order	Nil
9d	Scrutiny of Annual return on afforestation	Plantation: Within Lease: 5500 nos. sapling and outside lease: Nil	The information of plantation is found in order.	Cumulative plantation was reported incorrectly, violation of rule 45(7) of MCDR, 2017 issued vide letter dated 25/11/2024.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	MR generation: 490431 tons with CaO grade of 24.76 %.	Screen reject quantity is furnished in mineral reject.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock: NIL and Cement grade stock: 1594.738 tons.	ROM production figure was not reported correctly, violation of rule 45(7) of MCDR, 2017 issued vide letter dated 25/11/2024.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price and cost of production: Rs. 209.44 per ton.	COP was reported incorrectly, violation of rule 45(7) of MCDR, 2017 issued vide letter dated 25/11/2024.	Nil
9h	Scrutiny of Annual return on fixed assets	Fixed asset value: Rs. 2450289591.00/-	Appears in order.	Nil

9k	Scrutiny of Annual return on mining machineries	Back Hoe, Dumper, Dozer, crane, Motor grader, Rock Drill, Wheel Loader, Explosive Van etc.	The information of mining machinery furnished appears in order.	Nil
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Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17 Rule 11(1)	25-NOV-24				
MCDR17 Rule 45(7)(a)	25-NOV-24				

Date :

(DILIP JAIN)

Indian Bureau of Mines