

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/SRH-26/LST-5

Mine code : 38RAJ24005

- (i) Name of the Inspecting : **DJ03**) **DILIP JAIN**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri Pranjal Bhatnagar, Geologist
Official with
Designation
- (iv) Date of Inspection : 13-NOV-24
- (v) Prev.inspection date : 07-OCT-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **THANDIBERI [256.00 HA]**
- (b) **Registration NO.** : **IBM/5630/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : RAJASTHAN
- District : SIROHI
- Village : THANDIBERI & SABELA
- Taluka : PINDWARA
- Post office : BINANIGRAM
- Pin Code : 307025
- FAX No. : 02971235020
- E-mail : Rajendra.Goyal@adityabirla
- Phone : 02971235005
- (f) Police Station : Pindwara
- (g) First opening date : 15-FEB-97
- (h) Weekly day of rest : SUN
2. Address for : Ultratech Nathdwara Cement Ltd.
correspondance Binanigram, PINDWARA,
DIST- SIROHI
3. (a) Lease Number : RAJ1670
- (b) Lease area : 256
- (c) Period of lease : 50
- (d) Date of Expiry : 26-JAN-46
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : Ultratech Nathdwara Cement Ltd.
 Ultratech Nathdwara Cement
 Ltd. Binanigram-307031,
 Pindwara, Disstt.- Sirohi
 (Rajasthan) SIROHI
 RAJASTHAN
 Phone:02971235005
 FAX :02971235020

Owner : Kailash Chandra Jhanwar
 Ultratech Nathdwara Cement
 Ltd. Ahura Centre, B Wing,
 II Floor, Mahakali Caves
 Road, Andheri, Mumbai SIROHI
 RAJASTHAN
 Phone:
 FAX :

Agent : Shri Bhismadeb Sahoo
 UltraTech Nathdwara Cement
 Limited Adityanagar,
 Pindwara SIROHI RAJASTHAN
 Phone: 02971-235005
 FAX :

Mining Engineer

Name : Shri Pankaj Kumar, Full Time
 Qualification : BE Mining
 Appointment/ : 18-JUN-24
 Termination date

Geologist

Name : Shri Pranjal Bhatnagar, Full Time
 Qualification : M.Sc. Geology
 Appointment/ : 25-DEC-18
 Termination date

Manager

Name : Shri Pankaj Kumar
 Qualification : BE Mining
 Appointment/ : 18-JUN-24
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	10-AUG-98
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	25-SEP-02
		Modif. approved Mining Scheme	10-APR-03
		Modif. approved Mining Scheme	16-JAN-04
		Mining Scheme rule 12 MCDR1988	17-AUG-05
		Mining Scheme rule 12 MCDR1988	14-SEP-12
		MP modif under MCR 1960	06-MAY-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	During the previous year 2022-23 a total of 21 BHs with 2015 mts of drilling was proposed.	During previous year 2022-23, a total of 21 BHs with 2036 meters of drilling was carried out.	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration during RY 2023-24.	No exploration during RY 2023-24.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable as no proposal of exploration.	Not applicable.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not applicable as no proposal.	As per approved document dated 07/11/2024, entire potentially mineralized area of 180.0 hectare explored under G1 level.	Nil
1e	Balance reserve as on 01/04/20	As per approved document dated 07/11/2023, the position of reserve and resource as on 01/04/2023 was 108.20 and 132.25 Million tons respectively.	The position of reserve and resource as on 01/04/2024 was 107.76 and 132.55 Million tons respectively.	Nil
1f	General remarks of inspecting officers on geology, exploration etc			Geologically the area belongs to Ajabgarh group of Delhi Super group of rock. No proposal and no exploration during RY.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	Development was proposed in existing Pit -1 and Pit-2.	Development was carried out in existing Pit -1 and Pit-2.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Bencehs proposed in mineral only.	Benches observed in mineral.	Nil
2c	Stripping ratio or ore to OB ratio	1:18 Ton/Ton	1:18 Ton/Ton	Nil
2d	Quantity of topsoil generation in m3	No proposal.	None.	Nil
2e	Quantity of overburden generation in m3	2023-24 : 141211 CuM/353028 Tons	2023-24 : 31432 CuM/78580 Tons	Waste in the form of intercalation.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No issue related to development was observed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Two	Nil
3b	Quantity of ROM mineral production proposed	ROM: 2000492 MT	ROM: 436334 MT	Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 01/01/2025 for less production.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	Nil
3d	Quantity of mineral reject generation	No proposals of mineral reject generation.	Mineral rejects were not generated during RY.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable as no proposal of MR generation.	Not applicable.	Nil

3f	Quantity of sub grade mineral generation.	No proposals of sub-grade generation.	Sub-grade was not generated during RY.	Nil
3g	Grade of sub grade mineral generation	Not applicable as no proposal of SG generation.	Not applicable.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal of segregation of ROM within lease area.	Not applicable.	Entire ROM is dispatched to crusher located at Amli lease of the lessee.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study proposed during RY.	No beneficiation study carried out during RY.	Nil
3j	Provision of drilling and blasting in mineral benches	Blast hole drilling was proposed with Hydraulic Down Hole Drilling with 115 mm dia hole. For blasting slurry cap sensitive explosives, ANFO and SME to be used.	Drilling and blasting was done as per the proposal.	Nil
3k	Provision of mining machineries in mineral benches	HEMM with combination of excavator and dumper.	HEMM with combination of excavator and dumper.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height-8 Mts	Height of benches was maintained to 8 meters.	Nil
3m	Total area covered under excavation/pits	30.05 ha at the end of the year 2023-24.	27.92 ha at the end of the year 2023-24.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:18 Ton/Ton	1:18 Ton/Ton	Nil
3o	Total area put in use under different heads at the end of year	An area of 35.57 ha at the end of RY 2023-24.	An area of 30.26 ha at the end of RY 2023-24.	Nil

3p	Production of ROM mineral during the last five year period as applicable	2019-20: 1165010 2020-21: 1165010 2021-22: 1065000 2021-22: 2000492 2023-24: 6451648	2019-20: 438285 2020-21: 313406 2021-22: 522743 2022-23: 429582 2023-24: 436334	All figures in metric tons.
3q	General remarks of inspecting officers on method of mining etc.			Opencast method of mining is in practice. The method of mining is best suitable method to the type of deposit. No issue related to the method of mining.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal of top soil generation. Waste dumping over existing dump.	No top soil generation. Waste dumping as per proposal.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Dump-1: E312149 to E312355 and N2745253 and N2745460	Dumping of waste was observed within approved limits.	Nil
4c	Number of dumps within lease area and outside of lease area	One.	One.	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.	One.	One.	Nil
4f	Number of dead dumps.	No proposal.	Not applicable.	Nil
4g	Number of dumps established.	No proposal.	Not applicable.	Nil

4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Retaining wall and garland drain observed along the waste dump.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Not applicable.	Nil
4j	Number of settling ponds	No proposal.	Not applicable.	Nil
4k	Specific comments of inspecting officer on waste dump management			The waste was proposed to generate in the form of intercalation (interburden). Generated waste has been dumped as per proposal. No issue related to waste dumping and waste management.

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.	No area matured for backfilling.	Nil
5b	Area under backfilling of mined out area	No proposal.	No area matured for backfilling.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation.	None.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal.	Not applicable.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No area matured for backfilling.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	As per rule 26 of MCDR, 2017 holder of mining lease shall submit PMCP report before 1st day of July every year.	PMCP report for the year 2023-24 was submitted.	Nil
6b	Area available for rehabilitation (ha) .	No proposal.	Not applicable.	Nil
6c	afforestation done (ha).	0.75 Hectare.	0.75 Hectare.	Location of plantation was differed than the proposal. Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 01/01/2025.
6d	No. of saplings planted during the year	750 nos.	750 nos.	Nil
6e	Cumulative no .of plants	Not Specified.	25793 within lease area at the end of the year 2023-24.	Nil
6f	Any other method of rehabilitation	No proposal.	Not applicable.	Nil
6g	Cost incurred on watch and care during the year	Not Specified.	Rs. 13.65 lac	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)Afforestati on 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	750 nos.	750 nos.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.75 Hectare.	0.75 Hectare.	Location of plantation was differed than the proposal. Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 01/01/2025.
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)	Regularly monitoring as per the condition of mining plan as well as Environment Clearance and SPCB.	Monitoring is being carried out and on sample check the parameters are found within prescribed limit.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Location of plantation was differed than the proposal. Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 01/01/2025.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch. No proposal for grade-wise sorting.	ROM mineral dispatched. No grade wise sorting.	Entire ROM dispatched to crusher located in Amlu Mine of the lessee.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal for grade wise sorting.	Not applicable.	Nil
7c	Different grade of mineral sorted out at mines.	No proposal.	Not applicable.	Nil
7d	Any beneficiation process at mines .	No proposal.	Not applicable.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issue related to mineral conservation.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation.	None.	Nil
8b	Concurrent use or storage of topsoil	No proposal.	Not applicable.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Only waste dumping proposal.	Waste dumping as per proposal.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Not applicable.	Nil

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Not applicable.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	0.75 ha with 750 number of plants.	0.75 ha with 750 number of plants.	Location of plantation was differed than the proposal. Violation of rule 11(1) of MCDR, 2017 issued vide letter dated 01/01/2025.
8g	Survival rate	80%	80%	Nil
8h	Water sprinkling on roads to control airborne dust	Water Sprinkling on haul roads through water tankers.	Water sprinkling observed through water tanker.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The general aesthetic beauty is satisfactory in and around mine area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR, 2017 monthly and annual returns to be submitted.	Annual and Monthly returns for RY have been submitted.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Manager: Sri Rajendra Kumar Mertia and Geologist: Sh. Pranjal Bhatnagar	Manager, Mining Engineer and Geologist are appointed.	Manager and Mining engineer has been changed to Sh. Pankaj Kumar dated 18.06.2024

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mine working 27.92 Ha, Roads, Plants, Buildings, Township 0.4 Ha, Waste Disposal-1.94 Ha	The information of land use furnished appears in order.	Nil
9d	Scrutiny of Annual return on afforestation	Within Lease - 750nos. and outside lease area: Nil	Found in order.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral reject: Nil	No mineral reject generation during RY.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM and grade wise closing stock: NIL	No stock all excavated mineral consumed in captive cement plant.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production and ex-mine price: 637.56 per ton.	The limestone produced used for captive consumption. The information of cost of production and Ex-mine price is appears in order.	Nil
9h	Scrutiny of Annual return on fixed assets	Value of fixed asset: Rs. 1597770540.00	Seems in order.	Nil
9k	Scrutiny of Annual return on mining machineries	Back Hoe, Tipper, Rock Drill, Dozer, Water Tanker etc.	Appears in order.	Nil

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)	01-JAN-25				
MCDR17 Rule 45(7)(a)	01-JAN-25				

Date :

(DILIP JAIN)

Indian Bureau of Mines