

MCDR INSPECTION REPORT

1) Name of Inspecting officer:	Sudip Ranjan Mazumdar
2) Designation	Senior Mining Geologist
3) Accompanying mine official with designation	Shri Bharat Gokharu (Agent) Shri Modi Yakin Rajesh Kumar (Mines Manager) Shri Madhusudan Singh (Geologist)
4) Date of Inspection	07.07.2023

Part-I: General

S. No	Particulars	Details
1	Name of the Mine	Budgauna Extension Limestone Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area: 87.992 Ha Forest Area: 66.949 Ha. Non-Forest Area: 21.043 Ha.
3	Mine code	38MPR41005
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/441/2011
5	Name of the Lease, Address, Phone, email and fax number	UltraTech Cement Ltd. Aditya Vihar P.O Bharatpur Tehsil-Rampur Naikin , Distt-Sidhi (MP)
6	Village	Garhatola and Baghwar
7	Taluka/Mandal	Rampur Naikin
8	District	Sidhi (MP)
9	Pin code	486776
10	State	Madhya Pradesh
11	Post Office	Bharatpur
12	Nearest Police Station	Piprav Chouki
13	Nearest Railway Station	Rewa
14	Date of Grant of Mining Lease	08.02.2013
15	Date of Execution	21.02.2013
16	Date of opening of Mine	27.07.2015
17	Date of First Renewal, if applicable and its period & expiry	N/A
18	Date of Second Renewal, if applicable and its period & expiry	N/A
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N/A
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri K.C Jhanwar B-Wing Ahura Center 2nd Floor Mahakali Caves Road, Andheri (East), Mumbai-400093 Date of Appointment: 19.10.2018 Phone:9702049870 Email: kailash.jhanwar@adityabirla.com Fax No. +91-22-66917800
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Bharat Gokharu Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)

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		Date of Appointment: 25.05.2022 Phone: 9785401083 Email: bharat.gokharu@adityabirla.com Fax No. (08654) 285011-18
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Modi Yakin Rajesh Kumar Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)-486776 Date of Appointment: 01.02.2022 Email: modi.rajeshkumar@adityabirla.com Phone: 8989056207
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Modi Yakin Rajesh Kumar, BE- Mining, Total Experience-11+ years Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)-486776 Date of Appointment: 10.11.2021 Email: modi.rajeshkumar@adityabirla.com Phone: 8989056207
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Mining Plan: 24.11.2021
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	Review of Mining Plan for five year : Approval date- 24.11.2021 From 2022-23 to 2026-27
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

Details about Mining Plan/ Mining Scheme

a) Letter No. and date of approval of mining plan	:	MP/Sidhi/Limestone./RMP-48/2021-22 dated 24.11.2021
b) Letter No. and date of approval of mining scheme.	:	NA
c) Condition while approving the MP/ MS/ modification	:	
d) Period of mining plan/ mining scheme in force	:	FY 2022-23 TO 2026-27

PART III-MCDR Report details.

1. **Scientific Mining:** Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not Proposed	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2.	In 2022-23, 04 nos of Boreholes have been proposed	These boreholes have been drilled in 2021-22	Nil
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not Proposed	Nil	Nil

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1e	Balance reserves as on 01.04.2022	Reserves as on 01.04.2022- 17.332 million tones	Depletion during the year 2022-23: 0.38 million tones. Remaining reserves as on 01.04.2023: 16.95 million tones	Nil
1f	General remarks of Inspecting officer on geology, exploration etc.	The exploration proposal for 2022-23 has been completed in the year 2021-22.		

2. Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	E 535689 to 536116 & N 2692560 to 2692250	E 535753 to 536082 & N 2692510 to 2692280	Nil
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate bench in topsoil not proposed. Separate benches in overburden and ore are proposed.	There is no separate bench in the topsoil. Separate benches in overburden and ore maintained.	Nil
2c	Stripping ratio or ore to OB ratio	1:0.57 m ³ /t	1:0.66 m ³ /t	Nil
2d	Quantity of topsoil generation in m ³	Proposal for 2022-23 was 2602 m ³	Topsoil generated was 1899 m ³	Nil
2e	Quantity of overburden generation in m ³	The proposal for OB generation during the year 2022-23 was 339459 m ³	The actual OB generated during the year 2022-23 was 247874 m ³	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development was carried out as per the proposal.		

3. Exploitation FY 2022-23

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Two pit	Two pit	Nil
3b	Quantity of ROM mineral production proposed	600000 tones	376724 tones	Nil
3c	Recovery of Salable/usable mineral from ROM production	600000 tones	376724 tones	Nil
3d	Quantity of mineral reject generation	Not Proposed	Nil	Nil
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Nil	Nil
3f	Quantity of sub-grade mineral generation	Not Proposed	Nil	Nil
3g	Grade of sub-grade mineral generation	Not Proposed	Nil	Nil
3h	Manual/Mechanized method adopted for segregation from ROM	Not Proposed	Nil	Nil
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Nil	Nil
3j	Provision of drilling & blasting in mineral benches	Drilling is to be carried out by hydraulically operated DTH drills. Conventional blasting using slurry explosives.	Drilling and Blasting were carried out as per the proposal.	Nil
3k	Provision of mining machineries in	Yes	Yes	Nil

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	mineral benches			
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	The proposed height of benches in OB and Mineral is 8 m.	Bench height maintained.	Nil
3m	Total area covered under excavation/pits (Ha.)	The total area covered under excavation/pits at the end of the plan period 2026-27 is 16.107 Ha.	The total area covered under excavation/pits at the end of the plan period 2022-23 is 8.482 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	1:0.57 m3/t	1:0.66 m3/t	Nil
3o	Total area put in use under different heads at the end of year	The total area put in use under different heads at the end of the plan period 2026-27 is 25.809 Ha	The total area put in use under different heads at the end of the plan period 2026-27 is 15.162 Ha	Nil
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20: 600000 tonnes 2020-21: 600000 tonnes 2021-22: 600000 tonnes 2022-23: 600000 tonnes	2019-20: 30135 tonnes 2020-21: 286117 tonnes 2021-22: 458464 tonnes 2022-23: 376724 tonnes	Nil
3q	General remarks of inspecting officer on method of mining etc	Excavation has been carried out from two pits as per proposal.		

4. Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Top Soil- Not Proposed OB- WD-01 Mineral Reject- Not proposed	Top Soil- Nil OB- WD-01 Mineral Reject- Nil	Nil
4b	Location of topsoil, OB & mineral reject dumps	Top Soil- Not Proposed OB Dump- E536081 to 536424 N2692659 to 2692739 Mineral Reject: Not Proposed	Top Soil- Not Proposed OB Dump- E536081 to 536390 N2692797 to 2692584 Mineral Reject: Nil	Nil
4c	Number of Dumps within lease area and outside lease area	Within Lease area- 01 No Outside Lease area- Nil	Within Lease area- 01 No Outside Lease area- Nil	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Outside the UPL	Nil
4e	Number of Active & Alive dumps	One Number	One Number	Nil
4f	Number of dead dumps	Not Proposed	Nil	Nil
4g	Number of dumps established	Not Proposed	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Retaining wall:145m Garland drain:400m	Retaining wall:145m Garland drain:400m	Nil
4i	Length of Retaining wall or garland drain all along dump	Retaining wall:145m Garland drain:400m	Retaining wall:145m Garland drain:400m	Nil
4j	Number of settling ponds	Not Proposed	Nil	
4k	Specific comments of inspecting officer on waste dump management	Dumping has been carried out as per proposal.		

5. Solid Waste Management-Backfilling

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S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Proposed	Nil	Nil
5b	Area under backfilling of mined out area	Not Proposed	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	Nil	Nil
5d	Total area fully reclaimed & rehabilitated (Ha)	Not Proposed	Nil	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	There was no proposal for backfilling.		

6. 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	The holder of a mining lease shall submit to the competent authority a yearly report as per the format specified by the Indian Bureau of Mines, before 1st day of July report every year	The annual return on PMCP has been submitted timely.	Nil
6b	Area available for rehabilitation (Ha)	Nil	Nil	Nil
6c	Afforestation done (ha)	1.00	1.00	Nil
6d	No. of saplings planted during the year	2000 Nos	2000 Nos	Nil
6e	Cumulative no. of plants	Not Proposed	7070 nos	Nil
6f	Any other specific method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch & care during the year	Not Proposed	Rs 83500	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Not Proposed	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Not Proposed	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	Not Proposed	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not Proposed	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Not Proposed	Nil	Nil
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	Not Proposed	Nil	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Not Proposed	Nil	Nil
6o	Compliance of Rehabilitation of waste land within lease	Not Proposed	Nil	Nil

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	(iii) Method of rehabilitation			
6p	Compliance of Environment monitoring (core zone & buffer zone)	Within Permissible limits	Within Permissible limits	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP compliance was carried out as proposed.		

7. Mineral Conservation

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

8. Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Concurrent reuse of topsoil has been proposed.	The topsoil generated has been reused for plantation purposes.	Nil
8b	Concurrent use or storage of topsoil	Concurrent reuse of topsoil has been proposed.	The topsoil generated has been reused for plantation purposes.	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Separate waste dumps proposed.	Separate waste dumps are maintained	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Nil	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not Proposed	2000 nos of sapling planted	Nil
8g	Survival rate	Not Proposed	85%	Nil
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is maintained.		

9. Compliance of Rule 45 (2022-23)

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Annual Return for 2022-23 have been submitted on 27.06.2023 and monthly return for June'23 have been submitted by 09.07.2023.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer, Geologist and Manager have been employed in the mines.	Nil

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern as per Annual Returns Covered under current working- 8.482 Ha. Reclaimed-rehabilitated- 0.00 Used for waste disposal- 5.137Ha. Occupied by plant, buildings, residential, welfare buildings and roads- 1.172 Ha. Used for any other purpose (settling Pond, bund mine, road)- 0.371Ha.	Nil
9d	Scrutiny of Annual return on afforestation	Actual- 2000Nos Survival rate- 85%	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	There was no proposal for mineral reject generation. And there was no generation of mineral reject.	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	There was no stock of ROM and /or grade ore.	Nil
9g	Scrutiny of Annual return on sale value, Ex.Mine price & production costs	The entire production is used for domestic consumption. The ex-mine price for cement-grade limestone is Rs 521.56/tonne which is the same as production cost.	Nil
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets (Rs 2506132916)	Nil
9k	Scrutiny of Annual return on mining Machineries	Drill Machine- 01 Excavator- 02 Dumper- 10 Water tanker-01 Explosive Van- 01	Nil

Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

Compliance position of earlier violation pointed out	
Date of Last Inspection	22.09.2022
Type of Inspection	MCDR
Inspection Officer	Shri Ibrahim Sharief, DCOM
Violations Pointed Out	Nil

Violations pointed out during Current Inspection	
Date of Current Inspection	07.07.2023
Type of Inspection	MCDR
Inspection Officer	Sudip Ranjan Mazumdar, SMG
Violations Pointed Out	Nil

(Sudip Ranjan Mazumdar)
Senior Mining Geologist