

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) Shishir Kumar Tamrakar (Mines Manager) Shri Kapil Ojha (Geologist)
4) Date of Inspection	05.07.2023

Part-I: General

S. N.	Particulars	Details
1	Name of the Mine	Majhgawan Limestone Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area: 362.68 Ha; Forest: Nil, Non-Forest: 362.68 ha
3	Mine code	38MPR41002
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	Majhgawan, Sarada, Patna, Kariajhar, Piprav, Malgaon and Dhorhara
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	Rampur Naikin
13	Nearest Railway Station	Rewa
14	Date of Grant of Mining Lease	08.12.2006
15	Date of Execution	15.01.2007
16	Date of opening of Mine	29.01.2009
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	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) Date of Appointment: 25.05.2022 Phone: 9785401083 Email: bharat.gokharu@adityabirla.com

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		Fax No. (08654) 285011-18
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Shishir Kumar Tamrakar Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)-486776 Date of Appointment: 15.09.2021 Phone: 9826365258 Email: s.tamrakar@adityabirla.com Fax No. (08654) 285011-18
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Shishir Kumar Tamrakar Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)-486776 Date of Appointment: 10.11.2021 B.E Mining (25+ years) Phone: 9826365258 Email: s.tamrakar@adityabirla.com Fax No. (08654) 285011-18
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes Shri Kapil Ojha Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)-486776 Date of Appointment: 30.09.2021 M.Sc Geology Phone: 8309740634 Email: kapil.ojha@adityabirla.com Fax No. (08654) 285011-18
25	Date of Approval of Mine Plan/Modified Mine Plan with five-year period and specific condition in approval letter, if any.	Review of Mining Plan for period 2019-20 to 2023-24 approved dated 24.12.2018
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	N/A
27	Mineral(s) granted in lease and approved for Mining	Limestone
28	Method of Mining (Opencast, Underground)	O/C
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/Lst/RMP-33/18-19 dated 24.12.2018
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	:	2019-20 to 2023-24

PART III-MCDR Report details.

- 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	2019-20: 8 Boreholes 2020-21: No Proposal 2021-22: No Proposal	2019-20: 8 Boreholes drilled 2020-21: Nil 2021-22: Nil	There is no backlog of the previous year exploration
1b	Exploration over lease area for Geological axis 1 or 2.	In 2022-23, there was no exploration proposal	Nil	Nil

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1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	Nil	Nil
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	Not Proposed	At present, as per the RMP approved dated 24.12.2018, the area under the G3 level of exploration is 42. 61 Ha.	Nil
1e	Balance reserves as on 01.04.2023	Reserves under UNFC category 111 as on 01.04.22 was 39.29 million tones	Production during 2022-23 was 1.07 million tones. The remaining reserves as on 01.04.23 under 111 UNFC category is 38.23 million tones.	Nil
1f	General remarks of Inspecting officer on geology, exploration etc.	There is no backlog of the previous year's exploration and there was no proposal for exploration in 2022-23. However, there remains around 42.61 Ha under the G3 level of exploration.		

2. Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Mining operation proposed between the following coordinates in Majhgawan Pit (Pit A): E 532769 to 533045 & N 2689025 to 2689650. Production and development proposed from sections 17 and 18	Mining operation to produce limestone was carried between the coordinates E 532258 to 532795 & N 2688944 to 2689319 between section line 10-10' to 15-15' in Pit B of Majhgawn Pit. Further, OB was removed from E 532866 to 532935 & N 2689404 to 2689520 between section lines 17-17' and 18-18'. The area excavated i.e., Pit B of Majhgawan Pit to produce limestone was not proposed for excavation in 2022-23.	The deviation has been pointed to the lessee through violation letter.
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	1:0.56	1:0.15	Nil
2d	Quantity of topsoil generation in m ³	Proposal for 2022-23 23436 Cu. m	Actual topsoil generated in 2022-23 is 13332 Cu.m	Nil
2e	Quantity of overburden generation in m ³	Proposal for 2022-23 830694 Cu. m	In 2022-23, Insitu OB generated was 155560 cum and disposed of in the area proposed for backfilling in Majhgawan Pit. Further, OB rehandled from WD3 was 311053 cum and backfilled in Majhgawan pit (A) for road making between section line 15-15' and 16-16'. Total OB handled was 466613 Cu. M. This	The deviation in the generation of OB quantity and disposal of rehandled OB material as backfilling in Pit A of Majhgawan Pit has been pointed to the lessee through a violation letter.

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			rehandling was proposed in year 2019-20 and the material was proposed to be disposed of for backfilling in the area designated in Majhgawan pit. But the OB has been rehandled in 2022-23 and has been rehandled and backfilled in Majhgawan pit (A) for road making between section line 15-15' and 16-16'. This backfilling in Pit A for road making between section line 15-15' and 16-16' was not proposed in the approved Review of Mining Plan.	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The proposal for rehandling OB material was proposed in the year 2019-20 and the material was proposed to be disposed of for backfilling in the area designated in Majhgawan pit. But the OB has been rehandled in 2022-23 and has been rehandled and backfilled in Majhgawan pit (A) for road making between section lines 15-15' and 16-16'. This backfilling in Pit A for road making between section lines 15-15' and 16-16' was not proposed in the approved Review of Mining Plan. The deviation has been pointed to the lessee through a violation letter.		

3. Exploitation FY 2022-23

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One Pit, namely Majhgawan Pit between coordinates E 532769 to 533045 & N 2689025 to 2689650.. Production and development proposed from sections 17 and 18	One Pit, namely Majhgawan Pit but the location of exploitation was different than proposed. Mining operation to produce limestone was carried between the coordinates E 532258 to 532795 & N 2688944 to 2689319 between section line 10-10' to 15-15' in Pit B of Majhgawn Pit.	The deviation has been pointed to the lessee through violation letter.
3b	Quantity of ROM mineral production proposed	1500003 tonnes	1067472 tonnes	The deviation has been pointed to the lessee through a violation letter.
3c	Recovery of Salable/usable minerals from ROM production	1500003 tonnes	1067472 tonnes	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

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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 to be carried out by hydraulically operated DTH drills. Conventional blasting using ANFO and slurry with use of millisecond delay/ NONEL detonators	Drilling and Blasting carried out as per proposal.	Nil
3k	Provision of mining machineries in mineral benches	Yes	Yes	Nil
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 6m and 8 m respectively.	Bench height maintained.	
3m	Total area covered under excavation /pits (Ha.)	Total area covered under excavation/pits at the end of plan period 2023-24 is 60.97 Ha	Total area covered under excavation/pits at the end of plan period 2022-23 is 53.762 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.56	1:0.15	
3o	Total area put in use under different heads at the end of year	Total area put in use under different heads at the end of plan period 2023-24 is 222.87 ha	Total area put in use under different heads at the end of plan period 2022-23 is 200.93 ha.	
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19: 2700000 2019-20: 1500000 2020-21: 1500000 2021-22: 1500000 2022-23: 1500003	2018-19: 1243756 2019-20: 1212848 2020-21: 1249966 2021-22: 882946 2022-23: 1067472	
3q	General remarks of inspecting officer on method of mining etc	The deviation in Quantity of limestone production and its area of excavation between the coordinates E 532258 to 532795 & N 2688944 to 2689319 between section line 10-10' to 15-15' in Pit B of Majhgawn Pit has been pointed out to lessee through violation letter.		

4. Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	There was no proposal for mineral reject generation and their disposal. Overburden generated from insitu was proposed to be disposed of in the area in area designated for backfilling in the Majhgawan pit. Concurrent reuse of 23436 cum top soil have	In 2022-23, there was no generation of mineral reject. Insitu OB generated was 155560 cum and disposed in the area proposed for backfilling in Majhgawan Pit. Further, OB rehandled from WD3 was 311053 cum and backfilled in Majhgawan pit (A) for road making between section lines 15-15' and 16-16'. Total OB handled was	The deviation in the generation of OB quantity and disposal of rehandled OB material as backfilling in Pit A of Majhgawan Pit has been pointed to the lessee through a violation letter.

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		been proposed.	466613 Cu. M. Top soil generated 13332 cum have been utilized in plantation.	
4b	Location of topsoil, OB & mineral reject dumps	Concurrent reuse of 23436 cum topsoil have been proposed. There was no proposal for mineral reject generation and their disposal. Location of WD1 E533269/N2689515; Location of WD2 E533121/N2689350; Location of WD2 E532031/N2688834;	Topsoil generated 13332 cum has been utilized in the plantation. No mineral reject was generated. Location of WD1 E533269/N2689515; Location of WD2 E533121/N2689350; Location of WD2 E532031/N2688834;	Nil
4c	Number of Dumps within lease area and outside lease area	Three waste dumps within the lease area	Three waste dumps within the lease area	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	WD1 and WD2 within UPL and WD3 partly within UPL.	WD1 and WD2 within UPL and WD3 partly within UPL.	Nil
4e	Number of Active & Alive dumps	Three waste dumps namely WD1, WD2 and WD3	Three waste dumps namely WD1, WD2 and WD3	
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps established	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Retaining wall: Nil Garland drain: Nil Earthen bund: 263m along Pit C towards the Northern side	Retaining wall: Nil Garland drain: Nil Earthen bund: 263m along Pit C towards the Northern side, WD3 and WD1	Nil
4i	Length of Retaining wall or garland drain all along dump	Retaining wall: Nil Garland drain: Nil Earthen bund: 263m along Pit C towards the Northern side	Retaining wall: Nil Garland drain: Nil Earthen bund: 263m along Pit C towards the Northern side, WD3 and WD1	Nil
4j	Number of settling ponds	Not Proposed	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	The deviation in the generation of OB quantity and disposal of rehandled OB material as backfilling in Pit A of Majhgawan Pit has been pointed to the lessee through a violation letter.		

5. 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	Fully Exploited	In 2022-23, Insitu OB generated was 155560 cum and disposed of in the area proposed for backfilling in Majhgawan Pit. Further, OB rehandled from WD3 was 311053 cum and backfilled in Majhgawan pit (A) for road making between section line 15-15' and 16-16'. Total OB handled was 466613 Cu. M. This rehandling was proposed in year 2019-20 and the material was proposed to be disposed of for backfilling in the area designated in	The deviation in the generation of OB quantity and disposal of rehandled OB material as backfilling in Pit A of Majhgawan Pit has been pointed to the lessee through a violation letter.

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			Majhgawan pit. But the OB has been rehandled in 2022-23 and has been rehandled and backfilled in Majhgawan pit (A) for road making between section line 15-15' and 16-16'. This backfilling in Pit A for road making between section line 15-15' and 16-16' was not proposed in the approved Review of Mining Plan.	
5b	Area under backfilling of mined out area	Proposed - 1.50 Ha	Achieved - 0.455 Ha	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Concurrent reuse of 23436 cum topsoil has been proposed.	Topsoil generated 13332 cum have been utilized in the plantation.	Nil
5d	Total area fully reclaimed & rehabilitated (Ha)	Not Proposed	Nil	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	The deviation in the generation of OB quantity and disposal of rehandled OB material as backfilling in Pit A of Majhgawan Pit has been pointed to the lessee through a violation letter.		

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	Yes	Yes	Nil
6b	Area available for rehabilitation (Ha)	Not Proposed	Nil	Nil
6c	Afforestation done (ha)	Not Proposed	Nil	Nil
6d	No. of saplings planted during the year	Not Proposed	Nil	Nil
6e	Cumulative no. of plants	Not Proposed	33814	Nil
6f	Any other specific method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch & care during the year	Not Proposed	85500	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	1.5 Ha (250*125*30)	0.455 Ha	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	1.5 Ha (250*60*30)	0.455 Ha	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	1.00	1.00	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	2000	2000	Nil
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation	Nil
6p	Compliance of Environment monitoring (core zone & buffer	Within Permissible	Within	Nil

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	zone)	limits	Permissible limits	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	The PMCP compliance was carried out.		

7. Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM dispatch	ROM 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 23436 cum topsoil has been proposed.	Topsoil generated 13332 cum have been utilized in the plantation.	Nil
8b	Concurrent use or storage of topsoil	Concurrent reuse of 23436 cum topsoil has been proposed.	Topsoil generated 13332 cum have been utilized in the plantation.	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Separate dumps for OB proposed	Separate OB dumps are maintained.	
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Overburden generated from insitu was proposed to be disposed of in the area designated for backfilling in the Majhgawan pit. Concurrent reuse of 23436 cum topsoil has been proposed.	Insitu OB generated was 155560 cum and disposed of in the area proposed for backfilling in Majhgawan Pit. Further, OB rehandled from WD3 was 311053 cum and backfilled in Majhgawan pit (A) for road making between section line 15-15' and 16-16'. Total OB handled was 466613 Cu. M. This rehandling was proposed in year 2019-20 and the material was proposed to be disposed of for backfilling in the area designated in Majhgawan pit. But the OB has been rehandled in 2022-23 and has been rehandled and backfilled in Majhgawan pit (A) for road making between section line 15-15' and 16-16'. This backfilling in Pit A for road making between section line 15-15' and 16-16' was not proposed in	The deviation in the generation of OB quantity and disposal of rehandled OB material as backfilling in Pit A of Majhgawan Pit has been pointed to the lessee through a violation letter.

			the approved Review of Mining Plan	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Overburden generated from insitu was proposed to be disposed of in the area in the area designated for backfilling in the Majhgawan pit. Concurrent reuse of 23436 cum topsoil has been proposed.	Insitu OB generated was 155560 cum and disposed of in the area proposed for backfilling in Majhgawan Pit. Further, OB rehandled from WD3 was 311053 cum and backfilled in Majhgawan pit (A) for road making between section lines 15-15' and 16-16'.	The deviation has been pointed to the lessee through a violation letter.
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	Proposed	Carried out as per the proposal	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mines 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
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- 53.762 Ha. Reclaimed-rehabilitated- 6.509 Used for waste disposal- 17.639Ha. Occupied by plant, buildings, residential, welfare buildings and roads- 120.690 Ha. Used for any other purpose (settling Pond, bund mine, road)- 2.330Ha.	Nil
9d	Scrutiny of Annual return on afforestation	Number of saplings planted during the year was 2000 numbers.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	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 452.82/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 Machinerics	Blast hole drill- 01no; Dumper: 8nos; Backhoe- 3nos; Motor Grader: 1 no, Shovel 1No etc.	Nil

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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	21.09.2022
Type of Inspection	MCDR
Inspection Officer	Shri Ibrahim Sharief, DCOM
Violations Pointed Out	No Violation was pointed out

Violations pointed out during Current Inspection	
Date of Current Inspection	05.07.2023
Type of Inspection	MCDR
Inspection Officer	Shri Sudip Ranjan Mazumdar, SMG
Violations Pointed Out	Violation under rule 11(1) and 45(7) was issued dated 17.07.2021

(Sudip Ranjan Mazumdar)
Senior Mining Geologist