

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 Shishir Kumar Tamrakar (Mines Manager) Shri Cosmos Kerketta (Geologist)
4) Date of Inspection	04.07.2023

Part-I: General

S. No.	Particulars	Details
1	Name of the Mine	Majhgawan Extension Limestone Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area: 54.825 Ha; Forest: 54.825 Ha Non-Forest: Nil
3	Mine code	38MPR41006
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, Sarda, 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	08.02.2013
15	Date of Execution	21.02.2013
16	Date of opening of Mine	18.11.2013
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) Date of Appointment: 25.05.2022 Phone: 9785401083

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		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 Shishir Kumar Tamrakar Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)-486776 Date of Appointment: 15.09.2021 Mobile No: 9826365258 Email: s.tamrakar@adityabirla.com
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Raj Kumar Singh, B.E.Mining (25+ years of exp) Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)-486776 Date of Appointment: 10.11.2021 Mobile No: 9630898284 Email: rajk.s@adityabirla.com
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes, Cosmos Kerketta M.Tech Applied Geology Date of Appointment: 13.02.2023 Mobile No: 9111059665
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 2021-22 to 2025-26 approved dated 24.12.2020
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/Limestone/RMP-26/2020-21 approved dated 24.12.2020
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	:	2021-22 to 2025-26

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	2021-22: 03 Nos 2022-23: Not Proposed	2021-22: Nil 2022-23: Nil	The non-compliance to the exploration proposal for the year 2021-22 is pointed out to lessee through violation letter.
1b	Exploration over lease area for Geological axis 1 or 2.	In 2022-23, there was no exploration proposal.	Nil	The area already explored under G1 is 50.665 Ha and G2 is 4.16 Ha.
1c	Exploration Agency &	In 2022-23, there was no	Nil	No exploration carried out

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	Expenditure in Lakh Rupees during the year	exploration proposal.		in 2022-23
1d	Balance area to be explored to bring Geological axis in 1 or 2.	In 2022-23, there was no exploration proposal.	Nil	Nil
1e	Balance reserves as on 01.04.2023	Reserves under UNFC category of 111 as on 30.09.2020 as per RMP approved dated 24.12.2020 was 20.129 million tonnes	Production during Oct'20 to Mar'23 was 2.035 million tonnes. Remaining reserves as on 01.04.2023 is 18.094 million tonnes.	Production figures referred from monthly returns from Oct'20 to Mar'23
1f	General remarks of Inspecting officer on geology, exploration etc.	The exploration proposal for the year 2021-22 has not been complied. Accordingly, the deviation has been pointed out to lessee through violation letter.		

2. Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	<p>Mining operation proposed between the following coordinates in Pit 2 and Pit 3: E531686 to E532294 & N2689278 to N2689543.</p> <p>The working is proposed from Pit 2 and Pit 3. The working RL in Pit 2 is between 344 mRL to 290 mRL whereas in Pit 3 it is between 322 mRL to 314 mRL.</p>	<p>Mining operation carried between the following coordinates E 531716 to 532285 & N 2689550 to 2689330. Mining operation extended beyond the proposed limit in the Northern direction.</p> <p>While the proposed working RL in Pit 2 is between 316mRL to 306mRL, the bottom working RL in Pit 3 is 310 mRL beyond the approved limit of 314 mRL for the year 2022-23.</p> <p>Further, excavation has been carried out in Pit 1 between coordinates E532490 to 532500; N2689680 to N2689690 at the bottom most bench at 306 mRL.</p>	The deviations has been pointed out to the lessee in form of violation letter.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	<p>Separate bench in top soil not proposed.</p> <p>Separate benches in overburden and ore proposed.</p>	<p>There is no separate bench in top soil.</p> <p>Separate benches in overburden and ore maintained.</p>	Nil
2c	Stripping ratio or ore to OB ratio	1:0.17	1:0.96	Nil
2d	Quantity of topsoil generation in m ³	Not Proposed	Nil	Nil
2e	Quantity of overburden generation in m ³	173929 cum	912430 cum	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The mining operation in the year 2022-23 have not been carried as per proposal for the year 2022-23. The deviations identified have been pointed out through violation letter.		

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3. Exploitation FY 2022-23

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Two pit namely Pit2 and Pit3	Three Pit namely Pit1, Pit2 and Pit3	The deviation has been pointed out to lessee via violation letter.
3b	Quantity of ROM mineral production proposed	1000000 tones	946033 tones	Nil
3c	Recovery of Salable/usable mineral from ROM production	1000000 tones	946033 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 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	Bench height will vary depending upon thickness of limestone and maximum 8m bench height for a single bench shall be maintained.	Bench height maintained as proposed.	Nil
3m	Total area covered under excavation /pits (Ha.)	Area under mining at the end of plan period 2025-26 is 27.37 Ha	As per Annual Return 2022-23, the area covered under current (OC) workings is 23.109 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	1:0.17	1:0.96	Nil
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 plan period is 35.87 Ha	Total area put in use under different heads at the end of 2022-23 is 30.349 Ha	Nil
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19: 500000 2019-20: 1000000 2020-21: 1000000	2018-19: 495605 2019-20: 494311 2020-21: 499922	Nil

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		2021-22: 1000000 2022-23: 1000000	2021-22: 789271 2022-23: 946033	
3q	General remarks of inspecting officer on method of mining etc	The mining operations have been carried out in three pits namely Pit 1, Pit 2 and Pit3 whereas proposal for excavation in the year 2022-23 was in Pit 2 and Pit 3. The deviations have 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)	Top Soil- Not Proposed Overburden removed shall be disposed by means of dumping in waste dump namely WD2 and by backfilling in Pit 2. Mineral Reject- Not proposed	In 2022-23, there was no generation of top soil and mineral reject. Further, the Overburden generated has been disposed in the existing waste dump namely WD1 and no backfilling have been done in Pit2. Waste dumping has not been carried out in the area proposed for waste disposal.	The deviation has been pointed out to lessee via violation letter.
4b	Location of topsoil, OB & mineral reject dumps	Top Soil : Not Proposed OB Dump proposed in waste dump namely, WD-02 between coordinates E531956 to E532174 and N2689700 to N2689826 and backfilling between coordinates E532172-532248 & N2689432-2689486.	In 2022-23, there was no generation of top soil and mineral reject. Overburden generated during the year 2022-23 have been disposed in waste dump (WD-01) between coordinates E532380 to 532636 and N2689953 to 2689822.	The deviation has been pointed out to lessee via violation letter.
4c	Number of Dumps within lease area and outside lease area	Within Lease Area- 02, namely WD1 and WD2	Within Lease Area-01, namely WD1	WD2 have not been created
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Proposed Waste dump, WD2 outside the ultimate pit limit whereas existing waste dump, WD1 is partly within the ultimate pit limit.	Proposed WD2 have not been created whereas the existing waste dump, WD1 is partly within the ultimate pit limit.	Nil
4e	Number of Active & Alive dumps	Two numbers of dumps namely WD1 and WD2	One numbers of dump namely WD1	WD2 have not been created
4f	Number of dead dumps	Not Proposed	Nil	
4g	Number of dumps established	Not Proposed	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Retaining wall proposed along the waste dump (WD2) at its slope and garland drain at top of Pit 3	Waste dump 2 not created. Therefore, retaining wall around WD2 not created. Garland drain created as proposed	The deviation has been pointed out to lessee via violation letter.

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4i	Length of Retaining wall or garland drain all along dump	Retaining wall: 210 m Garland drain : 334 m	Retaining wall: Nil Garland drain: 334 m	The deviation has been pointed out to lessee via violation letter.
4j	Number of settling ponds	Not Proposed	Nil	
4k	Specific comments of inspecting officer on waste dump management	Overburden generated has been disposed in the existing waste dump namely WD1 and no backfilling have been done in Pit2. Further, the waste dump, 2 have not been created and the protective measures around waste dump-2 have not been implemented. Waste dumping has not been carried out in the area proposed for waste disposal. The deviation has been pointed out to lessee via 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, no backfilling has been done as proposed in Pit 2.	The deviation has been pointed out to lessee via violation letter.
5b	Area under backfilling of mined out area	0.24	In 2022-23, no backfilling has been done as proposed in Pit 2.	The deviation has been pointed out to lessee via violation letter.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	Nil	
5d	Total area fully reclaimed & rehabilitated (Ha)	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	In 2022-23, no backfilling has been done as proposed in Pit 2. The deviation has been pointed out to lessee via 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)	Nil	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	9150	Nil
6f	Any other specific method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch & care during the year	Not Proposed	83333	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	0.24 Ha (66*37*30)	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	0.24 Ha (66*37*30)	Nil	The deviation has been pointed out to lessee via violation letter.
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

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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	2000 Nos	2000 Nos	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	1 Ha	1 Ha	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 zone)	Within Permissible limits	Within Permissible limits	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	In 2022-23, no backfilling has been done as proposed in Pit 2. The deviation has been pointed out to lessee via violation letter.		

7. Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM disptach	ROM disptach	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	Nil		

8. Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	Nil	Nil
8b	Concurrent use or storage of topsoil	Not Proposed	Nil	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	There was no proposal for rejects and fines. However, separate dumps for Overburden was proposed.	There is no rejects and fines dumps. However, separate dump for overburden maintained.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	In 2022-23, the part of the Overburden quantity removed was proposed to be disposed by means of backfilling in Pit 2.	In 2022-23, no backfilling has been done as proposed in Pit 2.	The deviation has been pointed out to lessee via violation letter.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	In 2022-23, the part of the Overburden quantity removed was proposed to be disposed by means of backfilling in Pit 2.	In 2022-23, no backfilling has been done as proposed in Pit 2.	The deviation has been pointed out to lessee via violation letter.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Nil	2000 Nos	Nil

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8g	Survival rate	80 %	85%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed	Maintained	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	In 2022-23, no backfilling has been done as proposed in Pit 2. The deviation has been pointed out to lessee via violation letter.		

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- 23.109 Ha. Used for waste disposal- 6.930Ha. Occupied by plant, buildings, residential, welfare buildings and roads- 0.310 Ha.	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 485.34/tonne which is 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	Blast hole drill- 01no; Dumper: 8nos; Backhoe- 3nos; Motor Grader: 1 no etc.	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	19.08.2021
Type of Inspection	Checkup Inspection
Inspection Officer	Shri Pukhraj Nenival, RCOM
Violations Pointed Out	Violation pointed under rule 11(1) and 54(C) was issued dated 30.08.2021 and was compiled on 15.11.2021

Violations pointed out during Current Inspection	
Date of Current Inspection	04.07.2023
Type of Inspection	MCDR inspection
Inspection Officer	Shri Sudip Ranjan Mazumdar, SMG
Violations Pointed Out	Violation under rule 11(1) was issued dated 17.07.2021

(Sudip Ranjan Mazumdar)
Senior Mining Geologist