

MCDR INSPECTION REPORT

1) Name of Inspecting officer:	Ibrahim Sharief
2) Designation	DCOM
3) Accompanying mine official with designation	Shri Bharat Gokhru, F Head, Shri A Meshram, Geologist
4) Date of Inspection	19.10.2023

Part-I: General

S. N.	Particulars	Details
1	Name of the Mine	Hinauti Limestone Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: 378.261 Non-Forest: Nil
3	Mine code	38MPR35310
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	Hinauti, Dengraha, Biharganj & Jurmani in Govindgarh Extension Forest Compartment No. 752 & 753
7	Taluka/Mandal	Ramnagar
8	District	Mahihar (MP)
9	Pin code	485775
10	State	Madhya Pradesh
11	Post Office	Hinauti
12	Nearest Police Station	Ramnagar
13	Nearest Railway Station	Satna
14	Date of Grant of Mining Lease	14/08/2007
15	Date of Execution	14/08/2007
16	Date of opening of Mine	20.10.2009
17	Date of First Renewal, if applicable and its period & expiry	27/09/2018
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
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Bharat Gokhru Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP) Date of Appointment: 27.01.2024
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Surendra Nath Tiwari Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)-486776 Date of Appointment: 30.05.2024

23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Ramesh Kumar Patel Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)-486776 Date of Appointment: 10.03.2023 Diploma in Mining (10+ years)
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes Shri Om Prakash Tiwari has been appointed as Geologist
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	1. 314(3)/2006-MCCM(C) /MP-13, on 27/11/2006 2. 314(3)/2011-MCCM(C) Z/MP-09, on 18/11/2011 3. MP/Satna/Limestone/M PLN/ MOD-15/2020-21/3415, on 21/12/2020 4. MP/Satna/Limestone/M PLN/ MOD-14/2022/2335, on 4/8/2022
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	1. MP/Satna/Limestone/M .Sch.-32/14-15/6670, on 28/11/2014 2. MP/Satna/Limestone/R MP-39/2018-19 /7334, on 24/12/2020
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/Satna/Limestone/M PLN/ MOD-14/2022/2335 dtd. 04.08.2022
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	:	04.08.2022 to 31.03.2024

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	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	G1: 178.13 Ha.	G1: 178.130 Ha.	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Nil	Nil	
1e	Balance reserves as on 31.03.2023	Balance reserves 26.60 Mln T		
1f	General remarks of Inspecting officer on geology, exploration etc.	The limestone of Rohtas Stage and the overlying Kaimur sandstone are the only litho units that can be observed on the spurs formed along the hill slopes. The limestone horizon as encountered during exploration is generally grey to dark grey in color and fine grained in nature. It may further be broadly classified into three different types namely, Massive & hard limestone, thin bedded flaggy & soft limestone and Soft & friable limestone.		

2. Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Pit 1	Pit 1	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Top soil-0, Over burden-2, Ore -1	Top soil-0, Over burden-2, Ore -1	
2c	Stripping ratio or ore to OB ratio	1:1.6	1:0.40	Development is reviewed in the review of mining plan approved on 21.05.2024
2d	Quantity of Topsoil generation in m ³	2675	Nil	
2e	Quantity of overburden generation in m ³	534359 T	79585 T	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Pit was developed in within proposed area, Development is reviewed in the review of mining plan approved on 26.08.2023		

3. Exploitation FY 2023-24

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed	200000	198629	
3c	Recovery of Salable/usable mineral from ROM production	100%	Nil	
3d	Quantity of mineral reject generation	No Proposal	Nil	
3e	Grade of mineral reject generation and threshold value declared	No Proposal	Nil	
3f	Quantity of sub-grade mineral generation	No Proposal	Nil	
3g	Grade of sub-grade mineral generation	No Proposal	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	No Proposal	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	Nil	
3j	Provision of drilling & blasting in mineral benches	Yes, Drilling and Blasting is proposed to be carried out	Yes, Drilling and Blasting is being carried out as proposed	
3k	Provision of mining machineries in mineral benches	Back Hoe-3 Tipper-16 Drill Machine- 02 Dozer- 01 Explosive Van-01 Water tanker-2	Back Hoe-3 Tipper-16 Drill Machine- 02 Dozer- 01 Explosive Van-01 Water tanker-2	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation /pits (Ha.)	20.56	19.70	

3n	Ore to OB ratio for the pit/mine during the year	1:1.6	1:0.42	Development is reviewed in the review of mining plan approved on 21.05.2024
3o	Total area put in use under different heads at the end of year	46.60	39.78	
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19: 1000000 2019-20: 1000000 2020-21: 1000000 2021-22: 1000000 2022-23: 1000000	2018-19: 98474 2019-20: 534371 2020-21: 290204 2021-22: 346242 2022-23: 198629	
3q	General remarks of inspecting officer on method of mining etc	Mining operations are carried out as per approved proposals		

4. Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Proposed	OB- WD-1	
4b	Location of topsoil, OB & mineral reject dumps	Top Soil- E529624 to 529695 & N 2687792 & N 2687877 OB- E 529.05 to 529702 N 2687828 to 2688152 Mineral Reject- No Proposal	Top Soil & OB development is within approved proposal	
4c	Number of Dumps within lease area and outside lease area	4	4	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	within UPL	
4e	Number of Active & Alive dumps	1	1	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps established	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes proposed	Yes Constructed	
4i	Length of Retaining wall or garland drain all along dump	Proposed GD: 470m Proposed RW: 410m	GD: 500m RW: 450m	
4j	Number of settling ponds	No Proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			

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	No Proposal	Nil	
5b	Area under backfilling of mined out area	No Proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Yes	Yes, used in plantation work	
5d	Total area fully reclaimed & rehabilitated (Ha)	No Proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

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	Annual report on PMCP to be submitted in time	Yes submitted in time	
6b	Area available for rehabilitation (Ha)	No Proposal	Nil	
6c	Afforestation done (ha)	1.00	1.00	
6d	No. of saplings planted during the year	2000	2000	
6e	Cumulative no. of plants	Not proposed	17044	
6f	Any other specific method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch & care during the year (in Rs.)	3,20,000	3,50,000/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Nil	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Nil	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	No Proposal	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	No Proposal	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	No Proposal	Nil	
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	No Proposal	Nil	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	No Proposal	Nil	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	No Proposal	Nil	
6p	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Complied	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Plantation is being carried out to improve aesthetic beauty.		

7. Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	1000000	198629	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	Nil	
7c	Different grade of mineral sort out at mine	No Proposal	Nil	
7d	Any beneficiation process at mines	No Proposal	Nil	

7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	
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8. Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	150 cum	150 cum	
8b	Concurrent use or storage of topsoil	Not proposed	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Proposed	Separate overburden dumps are observed	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	2000	2000, total 21738 plantation done so far.	
8g	Survival rate	85%	85%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling done as per proposal	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area			

9. Compliance of Rule 45 (2023-24)

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly Returns submitted till October'2023 & Annual Returns submitted for FY: 2022-23.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	M.E: Ramesh kumar Patel Geologist: om Prakash Tiwari Manager: Surendra Nath Tiwari	-do-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pit: 19.07 Ha Dump: 10.021 Ha Infrastructure: 8.44 Ha Other (GD, RW): 2.25 Ha	-do-
9d	Scrutiny of Annual return on afforestation	Actual- 2000Nos Survival rate- 85%	-do-
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	-do-
9f	Scrutiny of Annual return on ROM stock and/or grade ore	No Proposal	-do-
9g	Scrutiny of Annual return on sale value, Ex.Mine price & production costs	Sale Value- Rs. 0.00 Ex Mine Price- Rs. 447.24 Production costs- Rs. 447.24	-do-
9i	Scrutiny of Annual return on Fixed assets	Total value of Fixed Assets Rs. 2506132916 (including other 5 leases)	-do-
9k	Scrutiny of Annual return on mining Machineries	Back Hoe-4- (3.5 cum & 2.1 cum) Tipper-8-(25 T) Drill Machine- 01 (100 mm) Dozer- 01 (300 HP), Explosive Van-01 Water tanker-2	-do-

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

Sl No.	Nature of Violation	Compliance status
1	No violation pointed out	Nil

Date:

(IBRAHIM SHARIEF)

Deputy Controller of Mines