

MCDR INSPECTION REPORT

1) Name of Inspecting officer:	Ibrahim Sharief
2) Designation	DCOM
3) Accompanying mine official with designation	Naval Kishore Sharma (FH-Mines) Sandeep Kumar Sharma (Mines Manager) Shri Sandeep Srivastava (Mining Engineer) Girija Sankar Biswal (Geologist)
4) Date of Inspection	20.09.2024

Part-I: General

S. N.	Particulars	Details
1	Name of the Mine	Hinauti Extension Limestone Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: 258.867 Non-Forest: Nil
3	Mine code	38MPR35349
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	Rewa
14	Date of Grant of Mining Lease	23.12.2006
15	Date of Execution	10.01.2017
16	Date of opening of Mine	23.02.2018
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
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Naval Kishore Sharma 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 Sandeep Kumar Sharma 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 Sandeep Srivastava 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 Girija Shankar Biswal, Msc Geology
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 approval on 05.03.2021 for period from 2021-22 to 2025- 26 (Running). Letter No: MP/Satna/Limestone/RMP- 37/2020-21 dtd 05.03.2021
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	N/A
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/RMP-37/2020-21, dtd. 05.03.2021
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	:	01.04.2021 to 31.03.2026

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	No proposal	11 Nos	Total 35 nos of core bore holes drilled
1b	Exploration over lease area for Geological axis 1 or 2.	G1: 258.867 Ha.	G1: 258.867 Ha.	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Lessee	M/s Kores India Pvt. Ltd had carried out exploration in FY 2023-24. Core drilling expenditure Rs. 2902771.68	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Nil	Nil	
1e	Balance reserves as on 31.03.2024	-	30.089 Million Tonnes	

1f	General remarks of Inspecting officer on geology, exploration etc.	Exploration was carried out in the entire potential mineralized area. The limestone of Hinauti Extension lease area belongs to Rohtas Stage of Semri Series of Lower Vindhyan System of Indian Stratigraphy. Ghaghar quartzite overlies the Rohtas Stage that forms a part of the Kaimur Hills. Semri Series overlies Glauconite Beds of Son Valley area. The regional strike of limestone deposit is ENE - WSW with a northerly dip varying from 10° to 15° into the Hills. There is still 146 hectare area to be explored. 11 nos boreholes for year 19-20 have not been done.
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2. Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	E 529650 to 530276 & N 2688816 to 2688466	E 529585 to 530144 & N 2688480 to 2688664	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Top soil-0, Over burden-2, Ore -4	Top soil-0, Over burden-2, Ore -4	
2c	Stripping ratio or ore to OB ratio	1:0.32	1:1.042	
2d	Quantity of Topsoil generation in m ³	150	150	
2e	Quantity of overburden generation in m ³	316022	324837	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development carried out as proposed.		

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	1000000	498608	Less production due to low demand from Cement
3c	Recovery of Salable/usable mineral from ROM production	100%	100%	
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	Yes	
3k	Provision of mining machineries in mineral benches	Back Hoe-3.5 cum- 1 No. 3.1 cum- 1 No., 1.0 cum- 1 No.,	Back Hoe-3.5 cum- 1 No. 3.1 cum- 1 No., 1.0 cum- 1 No.,	

		Tipper-10 cum- 8 No. Drill Machine- - 100 mm-02 No. Dozer-301 HP- 01 No. Explosive Van-01 Water tanker-2	Tipper-10 cum- 8 No. Drill Machine- - 100 mm-02 No. Dozer-301 HP- 01 No. 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, bench height of 6 meters	Yes	
3m	Total area covered under excavation /pits (Ha.)	25.56 upto 2025-26	16.049	
3n	Ore to OB ratio for the pit/mine during the year	1:0.32	1:1.042	
3o	Total area put in use under different heads at the end of year	46.97	22.826	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20: 1000000 2020-21: 1000000 2021-22: 1000000 2022-23: 1000000 2023-24: 1000000	2019-20: 310715 2020-21: 469838 2021-22: 362244 2022-23: 498883 2023-24: 498608	
3q	General remarks of inspecting officer on method of mining etc	Mining operation is being carried out by Fully mechanized method using HEMM with deep hole drilling and Blasting		

4. Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Yes	OB- WD-1	Separate dumping of OB. No separate stacking of top soil & Mineral reject.
4b	Location of topsoil, OB & mineral reject dumps	Top Soil- No Proposal OB- E 528983 to 529173 N 2688482 to 2688688 Mineral Reject- No Proposal	OB- E 528962 to 529173 N 2688482 to 2688660	
4c	Number of Dumps within lease area and outside lease area	WD-1	WD-1	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Dumping is proposed beyond UPL	Dumping is carried out beyond UPL	
4e	Number of Active & Alive dumps	WD-1- Active	WD-1- Active	
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	Proposed GD: 430m Proposed RW: 100m	GD: 430m RW: 100m	
4i	Length of Retaining wall or garland drain all along dump	Proposed GD: 430m Proposed RW: 100m	RW: 100m GD: 430m	
4j	Number of settling ponds	No Proposal	Nil	

4k	Specific commends of inspecting officer on waste dump management	Over burden dump created beyond UPL.
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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, Top soil to be used for plantation	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	Area not matured for backfilling as per provided information		

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	The yearly report in respect of rule 26(2) of MCDR 2017 has been submitted for the year 2020-21.	
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	No Proposal	11580	
6f	Any other specific method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch & care during the year	-	2,13,333.33	
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)	Quarterly monitoring is carried out	Quarterly monitoring is carried out and is within permissible limits	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	The yearly report in respect of rule 26(2) of MCDR 2017 has been submitted for the year 2023-24.		

7. Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral dispatch to be 1000000	498608 ROM mineral Dispatched during the year	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	Not applicable	
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	ROM directly dispatched to captive plant as per provided records.		

8. Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Yes	Top Soil is directly used for Plantation.	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Yes, overburden waste is to be maintained WD-1	Yes, overburden waste is maintained WD-1	
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	No Proposal	Plantation done in the waste land	

	(Rule 41)			
8g	Survival rate	80%	87%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling arrangement is to be made to suppress the dust	Water sprinkling arrangement is done as per proposal	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Overall mine cleanliness is good.		

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 August'2024 & Annual Returns submitted for FY:2023-24.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	M.E: Sandeep Srivastava Geologist: Girija Sankar Biswal Manager: Surendra Nath Tiwari	All are employed in mine
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pit: 16.049 Ha Dump: 5.450 Ha Infrastructure: 1.045 Ha Other (GD, RW): 0.282 Ha	
9d	Scrutiny of Annual return on afforestation	Actual- 2000Nos Survival rate- 87%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Nil	
9g	Scrutiny of Annual return on sale value, Ex.Mine price & production costs	Sale Value- Rs. 393.39 Ex Mine Price- Rs. 393.39 Production costs- Rs. 393.39	
9i	Scrutiny of Annual return on Fixed assets	Total value of Fixed Assets Rs. 2438841126	As reported by lessee
9k	Scrutiny of Annual return on mining Machineries	Back Hoe-3.5 cum- 1 No. 3.1 cum- 1 No., 1.0 cum- 1 No., Tipper-10 cum- 8 No. Drill Machine- - 100 mm-02 No. Dozer-301 HP- 01 No. Explosive Van-01 Water tanker-2	The said machines are deployed in the lease

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

No Violation observed

Date:

Signature of inspecting Officer