

**MCDR INSPECTION REPORT****General**

<b>S. N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine	MANIKGARH CEMENT LIMESTONE MINES
2a	Total Lease Area (Ha) with breakup of non-forest and forest land	Reserve Forest-493.00 Hect, Private Land-0.0 Hect. Total -264 Ha (Out of 493.00 Hect)
2b	Name of inspecting officer & Date of Inspection & accompanying officer	G. Ram, DCOM & 24.02.2024. & Sh. S.K. Tiwari, Agent
3	Mine code	38MSH08012
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM /441/2011
5	Name of the lessee, Address, phone, email fax number	M/s UltraTech Cement Ltd, Unit-Manikgarh Cement works
6	Village	Naokari
7	Taluka/Mandal	Rajura
8	District	Chandrapur
9	Pin code	442908
10	State	Maharashtra
11	Post office	Gadchandur
12	Nearest police station	Gadchandur
13	Nearest Railway station	Ballaharsha
14	Date of Grant of Mining Lease	17.08.1981
15	Date of Execution	The original ML was granted on-17.08.1981 to 16.08.2001 for 20 years, further ML was renewed for 20 years & subsequently 50 years ML executed up to 16.08.2031 MMDR Act 2015 on 24.05.2021, up to 16.8.2031 for 264Ha & subject to forest clearance of remaining part area of 229Ha.
16	Date of opening of Mine	05.3.1986
17	Date of first Renewal, if applicable period & expiry	12.05.2003
18	Date of second Renewal, if app.&its period & expiry	NIL
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri K.C. Jhanwar, "B" Wing, 2 <sup>nd</sup> floor, Mahakali Caves Road Andheri East , Mumbai 40009
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri S. K. Tiwari, M/s UltraTech Cement Limited Email- sntoshkumar. tiwari @adityabirla.com, Mobile No- 9421059453
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri P.K. Rai, UltraTech Cement Limited, WEF-..... , Email- pradeep.raai @adityabirla.com,

I/33293/2024

		Mobile No- 9425811187
23	Name of the ME, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri S.M. Sarpatwar, BE(Mining),21 YrExpWEF.... Email- shelesh.sarpatwar@adityabirla.com Phone no - 07173-245092, Mobile No- 9421994052
24	Whether Geologist &ME appointed in mines satisfy the rule & carrying out duties	Yes, <b>Mr. Aduayat Saxena</b> is appointed as a whole time Geologist. WEF.....
25	Date of Approval of MP/MMP with five-year period and specific condition, if any.	MP vide letter No CND/LST/MPLN-139/NGP-2016/561 dated 17.12.2020 Proposal Period 2021-22 to 2025-26
26	Date of Approval of SOM/MMP with five-year period and specific condition, if any.	Mod. In MP approval vide CND/LST/MPLN-139/NGP-2021dated 23.02.2022 for period 2022-23 to 2025-26
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/Non-Captive	Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining.

**Exploration**

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NA	NIL, no backlog	Lessee has applied for forest clearance of part lease area of 229Ha & under process.
1b	Exploration over lease area for G-axis 1 or 2.	Entire ML area of 264 ha is explored in G1 level & remaining 229Ha in G2, subject to forest clearance		
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area Fully Explored of 264Ha		
1e	Balance reserves as on 01.04.2023	111-74.06 MT, 211-52.05 MT, Total-133.64 MT		
1f	General remarks of inspecting officer on geology, exploration etc.	Lessee has applied for forest clearance of part lease area of 229Ha & under process.		

**Development**

SN	Item	Proposals (2022-23)	Actual work	Remarks
2a	Location of development wrt ML area	Pit ID-A, B, C & E, F	As per proposal	Legging in ROM, MMP approved dated 23.2.22 for 2022-23 to 2025-26.
2b	Separate benches in topsoil, OBetc	proposed separately	As per proposal	
2c	Stripping ratio or ore to OB ratio	1:008	1:007	
2d	Quantity of topsoil generation (m3)	1500M3	1480M3,	

I/33293/2024

2e	Quantity of OB generation in m3	OB-50500T	OB-50287(MT)25143.5M3
2f	General remarks of IO on development of pit w.r.t. type of deposit etc.	Mine development work done as per proposal	

**Exploitation**

SN	Item	Proposals (2022-23)	Actual work	Remarks
3a	Number of pits proposed for production	Pit ID-A, B, C & E, F	A, B, C and E, F blocks	Legging in ROM, Lack of demand in plant
3b	Quantity of ROM production proposed	66,50,000MT	45,17,568.780 MT	
3c	Recovery of salable/usable mineral from ROM	100%	100%	
3d	Quantity of mineral reject generation	Not proposed	NA	
3e	Grade of mineral reject generation and THV	Not proposed	NIL	VL pointed out under rule 11(1) of for existing stack of mineral rejects.
3f	Quantity of sub-grade mineral generation			
3g	Grade of sub-grade mineral generation			
3h	Manual / Mech. method adopted	Mech. method	Mech.	
3i	Any analysis or beneficiation study proposed & carried out if any	Proposed	Done	
3j	Provision of drilling & blasting in mineral benches	Deep hole drilling & controlled blasting	As per proposal	
3k	Provision of mining machineries in mineral benches	HEMM as proposed	As per proposal	
3l	Whether height of benches in OB and mineral suitable for method of mining	Yes,	Yes	
3m	Total area covered under excavation/pits	2.18Ha/Yr.	About 1.5Ha	
3n	Ore to OB ratio pit/mine during year	1:008	1:007	
3o	Total area put in use under different heads at the end of year	--	About 147 Hect	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19-55.50 MT 2019-20-5.550 MT 2020-21-5.550 MT 2021-22-5.550 MT 2022-23-6.550	2018-19-4.225 MT 2019-20-4.042 MT 2020-21- 4.215 MT 2021-22- 4.028 MT 2022-23- 4.517	

I/33293/2024

		MT	MT	
3q	General remarks of inspecting officer on method of mining etc.	542108 MT (SiO <sub>2</sub> 13 to 15 % Judicially blended by swapping material.		

**Solid Waste Management-Dumping**

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & rejects.	Yes, Proposed, 1500M3 (Topsoil)	As per proposal, 1480M3,	All along the dumps the retaining wall of basalt has been made while at the toe of C hill dump a masonry wall has been made.
4b	Location of topsoil, OB & mineral reject dump	50500T (OB) Dump No.3 as earmarked	50287(T)	
4c	Number of dumps within lease area and outside lease area		25143.5M3 Dump No.3	
4d	Location of dumps w.r.t. ultimate pit limit	block C OB/waste dump as earmarked	As per proposal	
4e	Number of active & alive dumps	1	1	
4f	Number of dead dumps	5	5	
4g	Number of dumps stabilized			
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dump			
4j	Number of settling ponds	Not proposed	NIL	
4k	Specific comments of inspecting officer on waste dump management	NIL		

**Solid Waste Management-Backfilling**

SN	Item	Proposals	Actual work	Remarks
5a	Status on part/ full extraction of mineral from mined out area before starting backfilling	Not proposed	NIL	Not applicable
5b	Area under backfilling of mined out area			
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area			
5d	Total area fully reclaimed & rehabilitated			
5e	General remarks of inspecting officer on backfilling, reclamation etc.	NIL		

**Progressive Mine Closure Plan**

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly.	PMCP report is submitted along with online AR 2022-23 with in stipulated time.		
6b	Management of worked/mined out benches i)	Rehabilitation of worked out benches:i)	Rehabilitation of worked out	



I/33293/2024

	waste rock, rejects and fines			
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use			
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)		4400saplings are planted	
8f	Baseline information on existence of plantation & additional plantation	Till 2022-23, 159559plants have been planted inside the lease area, while 28605plants outside the lease area. In this current year 4500saplings has been planted		
8g	Survival rate	87.57%		
8h	Water sprinkling on roads to control airborne dust	Yes, Dust suppression on mine haul road is regular practice.		
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL		

#### Compliance of Rule 45

SN	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to Jan 2024 online with in stipulated time. A.R. submitted online for 2022-23 with in stipulated time.	

SN	Item	Details given in A.R.	Observation of I/O	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details as given in AR	Sh. S.M. Sarpatwar, ME & Sh A. Saxena, Geologist	Appointed as per Rule 55
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details as given in AR	Found in order	Violation under provision of rule 11(1) found violated & pointed out.
9d	Scrutiny of Annual return on afforestation			
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost			
9i	Scrutiny of Annual return on fixed assets			
9k	Scrutiny of Annual return on mining machineries			

**Details of violations observed during current inspection and compliance position of earlier violation pointed out:** -Presently mine was inspected for evaluation of star rating and violation of provision of rule 11(1) found violated & pointed out. Lessee has complied the violation issued in earlier inspection.

I/33293/2024