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MCDR INSPECTION REPORT**General**

S N	Particulars	Details
1	Name of the Mine	NAOKARI CEMENT LIMESTONE MINES
2a	Total Lease Area (Ha) with breakup of non-forest and forest land	Total-1030.58, Forest-Nil Non Forest-1030.58
2b	Name of inspecting officer & Date of Inspection & accompanying officer	G. Ram, DCOM & 26.11.2023. & Sh. Soudip Gosh, Agent
3	Mine code	38MSH08001
4	IBM Regn Number under rule 45 of MCDR, 2017	IBM /441/2011
5	Name of the lessee, Address, phone, email fax number	M/s UltraTech Cement Ltd, Unit-Awarpur Cement works
6	Village	Awarpur, Bakardi, Palgoan, Naokari & Talodi
7	Taluka/Mandal	Korpana
8	District	Chandrapur
9	Pin code	442917
10	State	Maharashtra
11	Post office	Awarpur Cement Project
12	Nearest police station	Gadchandur
13	Nearest Railway station	Ballarshah
14	Date of Grant of Mining Lease	20.07.1979
15	Date of Execution	12.02.1980
16	Date of opening of Mine	21.04.1982
17	Date of first Renewal, if applicable period & expiry	04.04.2000 Up to 11.02.2020
18	Date of second Renewal, if app.&its period & expiry	The period of the mining lease was extended till 31.03.2030 as per Sec. 8(A)(5) of the MMDR Amend Act-2015 vide order No MNG 0415/C.R.34/Ind.-9, dated 17.07.2015 and letter no. MLV-C-321/2015/3321, dated 26.11.2015 and the same was executed on 07.04.2017.
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 nd floor, Mahakali Caves Road Andheri East , Mumbai 40009
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Soudip Ghosh, UltraTech Cement Limited Naokari limestone Mine Awarpur Cement Works, Awarpur, Korpana (tha), Chandrapur (Dt) – 442 917, Mail- soudip.ghosh@adityabirla.com, Ph-+91 8805009237 Date of appointment -28.01.2022
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Balram Singh, UltraTech Cement Limited Naokari limestone Mine Awarpur Cement Works, Awarpur, Korpana (tha), Chandrapur (Dt) – 442 9 1 7 , Mail- nikunj Kumar.sharma@adityabirla.com, Ph-+91 7770015778 Date of appointment -14.04.2022
23	Name of the ME, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Balram Singh, UltraTech Cement Limited Naokari limestone Mine Awarpur Cement Works, Awarpur, Korpana (tha), Chandrapur (Dt) – 442 9 1 7 , Mail- nikunj Kumar.sharma@adityabirla.com, Ph-+91 7770015778 Date of appointment -14.04.2022

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24	Whether Geologist & ME appointed in mines satisfy the rule & carrying out duties	Appointed, Dr.Rama Krushna Mishra M.Sc, M.Phil&Ph.d (Geology) WEF 2017 onwards
25	Date of Approval of MP/MMP with five-year period and specific condition, if any.	Vide Letter No.314(3)/2003-MCCM(CZ)/MP-7 dated 16.12.2003
26	Date of Approval of SOM/MMP with five-year period and specific condition, if any.	MMP approved vide letter no MCDR-CND0LST/11/2022-NR-IBM RO NR dated 20.20.2023 valid till 31.03.2025.
27	Mineral(s) granted in lease and proved for mining	Limestone & Shale
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	MMP was approved on 20.02.2023 for 2022-23 to 2024-25
1b	Exploration over lease area for G-axis 1 or 2.	Entire mineralized area explored in G1 level.		
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	Entire mineralized area explored in G1 level.		
1e	Balance reserves as on 01.04.2023	111-440.514 MT (Lst) 21.968M (Shale)T, as on 01.10.2023		
1f	General remarks of inspecting officer on geology, exploration etc.	NIL		

Development

SN	Item	Proposals (2022-23)	Actual work	Remarks
2a	Location of development wrt ML area (Pit-B)	E- 307451 to 307604 N- 2189177 to 2190122	E- 307451 to 307601 N- 2189711 to 2190050	With in proposal MMP was approved on 20.02.2023 for 2022-23 to 2024-25
2b	Separate benches in topsoil, OB	proposed separately	As per proposal	
2c	Stripping ratio or ore to OB ratio	1:18	1:17	
2d	Quantity of topsoil generation (m3)	15062M3	14133 M3	
2e	Quantity of OB generation in m3	166832M3 (417080T)	278480M3 (696200T)	
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	Block-A, B,	Block-A, B,	Legging in ROM, Lack of demand in plant
3b	Quantity of ROM production proposed	40,80,401.11MT	39,83,147.74MT	
3c	Recovery of salable/usable mineral from ROM	100%	100%	
3d	Quantity of mineral reject generation	Not proposed	NA	MMP was approved on 20.02.2023 for 2022-23 to 2024-
3e	Grade of mineral reject generation and THV	Not proposed	NIL	
3f	Quantity of sub-grade mineral			

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	generated			25
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	---	228.33	
3n	Ore to OB ratio pit/mine during year	5.46 1:.18	5.72 1:0.17	
3o	Total area put in use under different heads at the end of year	Pit- Waste/reject- Others-	228.33 28.53 44.38*	*(Incl Plantation & Infra)
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2020-21-7436384 Yr-2021-22-7449830 Yr-2022-23 4080401.11 Yr.2023-24-4475241	3295745 3612820.08 3983147.74 2581014.65 (Upto Oct-23)	
3q	General remarks of inspecting officer on method of mining etc.	Mech opencast method of mining with deep hole drilling & blasting using.		

Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & rejects. (Pit A & B)	(Pit-A) Top Soil-0 OB/IB-1, Reject-0	(Pit-A) Top Soil-0 OB/IB-1, Reject-0	
4b	Location of topsoil, OB & mineral reject dump	(Pit-B) Top Soil-1 OB/IB-1, Reject-0	(Pit-B) Top Soil-1 OB/IB-1Reject-0	
4c	Number of dumps within lease area and outside lease area			
4d	Location of dumps w.r.t. ultimate pit limit	(Pit-B) E- 308358 to 308393 N- 2189951 to 2190342	(Pit-B) E- 308358 to 308393 N- 2189951 to 2190342	
4e	Number of active & alive dumps	Top Soil-1, OB/IB-3	Top Soil-1, OB/IB-3	
4f	Number of dead dumps	6 (2 Waste Dump,3Top Soil Dump,1 Shale Stock)	6 (2 Waste Dump,3Top Soil Dump,1 Shale Stock)	
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			

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5e	General remarks of inspecting officer on backfilling, reclamation etc.	NIL
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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) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	i) Area available for rehabilitation (ha) -Nil ii) Afforestation done (ha) - 1.00 Ha iii) No. of saplings planted during the year -2500 iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	i) Area available for rehabilitation (ha) -Nilii) Afforestation done (ha) -1.00 Ha in 2022-23 with 2500 Sapling iii) No. of saplings planted during the year (2023-24)- 5000 iv) Cumulative no. of plants - 211066 (86.24 Ha) v) Any other specific method of rehabilitation -NAvi) Cost incurred on watch & care during the year-6.50 lacs.	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	NA	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NA	NA	
6e	Compliance of Environmental monitoring (core & buffer zone)	Environment monitoring in core & buffer zone done periodically & compliance made.		
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	NIL		

Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Direct dispatch to captive Cement Plant.	Direct dispatch to captive Cement Plant	All grade of feed able mineral above threshold value is used in captive Cement Plant
7b	Method of grade-wise mineral sorting i.e., manual or mechanical	Mech.	Mech.	
7c	Different grade of mineral sorted out at mines	Yes	Yes	
7d	Any beneficiation process at mines	Not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Swapping of Subgrade Limestone (10% MgO) to MKCW and in reverse receiving SG Limestone with apx 18% SiO2		

Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Proposed	As per proposal	
8b	Concurrent use or storage of topsoil			
8c	Separate dumps for overburden, waste rock, rejects and fines			

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8d	Use of OB, 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)	2500 Nos.	2500 saplings are planted	
8f	Baseline information on existence of plantation & additional plantation	Cumulative no. of plants -211066 (86.24 Ha) v)		
8g	Survival rate	90%		
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 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	Manager-Balram Singh ME- Balram Singh Geologist-Dr. R.K.Mishra	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	No significant violation observed & 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 MMP was approved by this office on 20.02.2023 for 2022-23 to 2024-25. Lessee has complied the violation issued in earlier inspection