

MCDR INSPECTION REPORT		
	Name of the inspecting officer	Shri.Surendra Singh Shekhawat, JMG
	Date of inspection	02.01.2025
	Accompanied mine official and designation	Shri. Kamaraj. R - Mine Manager Shri. Sumanta Das – Geologist Shri. Sudharsan. R – Mining Engineer
	Mine file No.	
General		
S. No.	Particulars	Details
1	Name of the Mine	Reddipalayam Limestone Mine (ML – 2)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	<b>Non- Forest -</b> Patta land – 43.40 Ha <b>Forest - NIL</b>
3	Mine code	38TMN38016
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/441/2011
5	Name of the lessee, Address, phone, email and fax number	M/s. UltraTech Cement Limited, Reddipalayam Post, Ariyalur District, TN, Pin – 621731 Phone: 04329-249240 & 249249 Fax: 04329-249253/249363
6	Village	Reddipalayam
7	Taluka/Mandal	Ariyalur
8	District	Ariyalur
9	Pin code	621704
10	State	Tamilnadu
11	Post office	Ariyalur
12	Nearest police station	Ariyalur
13	Nearest railway station	Ariyalur
14	Date of Grant of Mining Lease	20.09.2005
15	Date of Execution	10.02.2006 & Registration on – 20.03.2006
16	Date of opening of mine	25.04.2006
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	-
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	-
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri. K.C.Jhanwar Nominated Owner, UltraTech Cement Limited, Aditya Birla Centre, S.K. Ahire Marg, Worli, Mumbai - 400030. Email id – sendilkumar.k@adityabirla.com Date of Appointment – 19.10.2018
21	Name of the Mine Agent with address, phone, email, fax number and date of appointment	Shri. Karunakara Rao Karanam Mine Agent UltraTech Cement Limited, Reddipalayam Post, Ariyalur District, TN, Pin – 621731 Phone - 04329-249240 Email ID – karunakara.rao@adityabirla.com Date of Appointment – 01.12.2023
22	Name of the Mines Manager with address, phone, email, fax number and date of appointment in	Shri. Kamaraj. R -- Mine Manager UltraTech Cement Limited,

	mines	Reddipalayam Post, Ariyalur District, TN, Pin – 621704 Date of appointment – 20.11.2022
23	Name of the Mines Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in mines	Shri. Sudharsan. R -- Mine Engineer Qualification- BE Mining UltraTech Cement Limited, Reddipalayam Post, Ariyalur District, TN, Pin – 621704 Date of appointment – 15.06.2023
24	Whether Geologist and Mining Engineer appointed in mines satisfy the Rule 42 & carrying out their duties as per rule 43 & 44.	Shri. Sumanta Das UltraTech Cement Limited, Reddipalayam Post, Ariyalur District, TN, Pin – 621704 Date of appointment - 12.12.2017
25	Date of Approval of Mining Plan/Modified Mining Plan with five – year period and specific condition in approval letter, if any.	1. TN/PBR/MP/LST-1200-SZ/1038, Dated 01.10.1999 (2006-07 to 2010-11)
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. TN/ALR/LST/ROMP-1634.MDS, Dated 07.01.2021 (2021-22 to 2025-26) 2. TN/ALR/LST/MMP-2091.MDS, Dated 20.03.2023 (2023-24 to 2025-26) 3. TN/ALR/LST/MMP-2112.MDS. Dated 17.04.2024 (2024-25 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)	Category 'A' – Fully Mechanized
30	Captive / Non-Captive	Captive

#### **EXPLORATION (2023-24)**

S. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	Sufficient drilling has been undertaken by drilling 51 nos. of core drilling for a total meterage of 1924.28 m to bring G1 axis. Total lease area explored under G1 axis.
1b	Exploration over lease area for Geological axis 1 or 2.	G-1	G-1	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2024 (111+121 Category)	15,54,529.45 T	15,60,174.37 T	
1f	General comments of inspecting officer on geology, exploration etc.	Nil	Nil	

#### **DEVELOPMENT (2023-24):**

S. No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	N 1225946 to 1225663 E 298597 to 298939.	N 1225946 to 1225663 E 298597 to 298939.	As per the Proposal
2b	Separate benches in topsoil, overburden and minerals (Rule 13 of MCDR-2017)	Separate benches Ore – 4 OB – 4	Separate benches Ore – 4 OB – 4	As per the Proposal
2c	Stripping ratio or ore to OB ratio	1: 1.72 (Tonne: Tonne)	1:1.71 (Tonne: Tonne)	--
2d	Quantity of topsoil generation in m <sup>3</sup>	Nil	Nil	--
2e	Quantity of overburden generation in m <sup>3</sup>	2,58,936.90	2,58,914	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.	Nil	Nil	

**Exploitation (2023-24):**

S. No.	Item	Proposals	Actual Work	Remarks
3a	Number of Pit proposed for production	1	1	As per proposal
3b	Quantity of ROM mineral production proposed	803623 T	798172.80 T	--
3c	Recovery of salable/usable mineral from ROM production	100% of ROM	100% of ROM	--
3d	Quantity of mineral reject generation	Nil	Nil	--
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	--
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	NA	NA	NA

3h	Manual / Mechanized method adopted for segregating from ROM	NA	NA	--	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	NA	
3j	Provision of drilling and blasting in mineral benches	Nil	Nil	Nil	
3k	Provision of mining machineries in mineral benches	Rock breaker, Excavator & Tippers are used	Rock breaker, Excavator & Tippers are used	As per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 Meter	6 Meter	Suitable for method of mining	
3m	Total area covered under excavation/pits	33.50 Ha.	29.59 Ha	3.91 partial backfilled	
3n	Ore to OB ratio for the pit/mine during the year.	1: 1.72 (Tonne: Tonne)	1:1.71 (Tonne: Tonne)	--	
3o	Total area put in use under different heads at the end of year	Pit- 33.50 Dump-3.16 Infrastructure-0.28 Reclaimed-3.91 Green belt & other- 6.46	Pit- 29.59 Dump-3.16 Infrastructure-0.28 Reclaimed-3.91 Green belt & other- 6.46	As on 01.04.2024	
3p	Production of ROM mineral during the last five-year period as applicable	2019-20	1199988	390571.37	Last Review of Mining Plan was approved for the period 2021-22 to 2025-26. MoMP (2024-25 to 2025-26)
		2020-21	1199768	1065409.21	
		2021-22	801685	798211.88	
		2022-23	850756	850561.28	
		2023-24	803623	798172.80	
3q	General remarks of inspecting officers on method of mining etc.	Nil	Nil		

#### **SOILD WASTE MANAGEMENT-DUMPING (2023-24)**

S. No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 36,37)	No Dumping Proposal	Utilizes for Backfilling	Generated waste was utilized for concurrent backfilling
4b	Location of topsoil, OB and mineral reject dumps	No top soil & OB dump proposed	Nil	
4c	Number of dumps within lease area and outside of lease area	Within the Lease -1	Within the Lease – 1	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	--
4e	Number of active and alive	1	1	--

	dumps.			
4f	Number of dead dumps.	Nil	Nil	--
4g	Number of dumps established.	Not proposed	Nil	--
4h	Whether Retaining wall or garland drain all along dumps are there.	Available	Available	Periodic maintenance of garland drain is being carried regularly.
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	Nil	700 mtr retaining wall already exist all along the dump.
4j	Number of settling ponds	Nil	Nil	--
4k	Specific comments of inspecting officer on waste dump management	Nil	Nil	

**SOLID WASTE MANAGEMENT-BACKFILLING (2023-24):**

S. No.	Item	Proposals	Actual Work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Backfilling proposal has given.	Backfilling carried out after complete extraction of Limestone	Backfilling done after complete extraction of Limestone
5b	Area under backfilling of mined out area	1.29 Ha	1.30 Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	--
5d	Total area fully reclaimed and rehabilitated	3.91 Ha	3.91 Ha	--
5e	General remarks of inspecting officers on backfilling and reclamation etc	Nil	Nil	

**PROGRESSIVE MINE CLOSURE PLAN (2023-24):**

S. No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 26 (2).	As per the Rule 26 (2)	Annual report on PMCP submitted under Rule 26 (2) for the year 2023-24.	Nil
6b	Area available for rehabilitation (ha).	1.29 Ha	1.30 Ha	--
6c	Afforestation done (ha).	0.14	0.14	Afforestation is being carried out.
6d	No. of saplings planted during the year	280	300	
6e	Cumulative no. of plants	12145	12165	
6f	Any other method of rehabilitation	Nil	Nil	--

6g	Cost incurred on watch and care during the year	Rs. 56000	Rs. 60000	--
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling	1.29 Ha	1.30 Ha	Proposed Back filling area modified as per Modified Mining Plan
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1.29 Ha	1.30 Ha	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation backfilled area	Not in proposal	Nil	Partial back filling
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not in proposal	NA	--
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not in proposal	NA	--
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not in proposal	NA	--
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	--	--	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	As per proposal	Complied as per proposal	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Nil	

**MINERAL CONSERVATION (2023-24);**

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

**ENVIRONMENT (2023-24)**

S. No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not in proposal	NA	--
8b	Concurrent use or storage of topsoil	Not in proposal	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Within the Lease (OB-1)	Within the Lease (OB-1)	01 no. of active dumps within the lease.
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Proposed concurrent backfilling	Overburden used for concurrent backfilling	--
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not in proposal	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	12145	12165	Continuous Greenbelt development is being carried out.
8g	Survival rate	85%	85%	--
8h	Water sprinkling on roads to control airborne dust	--	Continuous water sprinkling is being done on roads to control airborne dust	--
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Nil	

**COMPLIANCE UNDER RULE-45 (2023-24):**

S. No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns submitted before 10th of every month. Annual Return submitted for the year 2023-24 before 1 <sup>st</sup> July 2024.		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Shri. Kamaraj. R - Mine Manager Shri. Sumanta Das – Geologist Shri. Sudharsan R – mining Engineer	Shri. Kamaraj. R - Mine Manager Shri. Sumanta Das – Geologist Shri. Sudharsan R – mining Engineer	As per Proposal
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	i) Already Exploited & Abandoned by Opencast Workings - 0 ha  (ii) Covered under current Workings – 29.59 ha  (iii) Reclaimed / Rehabilitated – 3.91  (iv) Used for Waste Disposal – 3.16 ha  (v) Occupied by plant, buildings, residential, welfare buildings & Roads - 0.280 ha  (vi) Other Purpose (Green belt,	i) Already Exploited & Abandoned by Opencast Workings - 0 ha  (ii) Covered under current Workings – 29.59 ha  (iii) Reclaimed / Rehabilitated – 3.91  (iv) Used for Waste Disposal – 3.16 ha  (v) Occupied by plant, buildings, residential, welfare buildings & Roads - 0.280 ha	

		Road, area, Non-Mineral Bearing Land for future dumps, afforestation, Infrastructure) – 6.46 ha	(vi) Other Purpose (Green belt, Road, area, Non-Mineral Bearing Land for future dumps, afforestation, Infrastructure) – 6.46 ha	
9d	Scrutiny of Annual return on afforestation	No. of Trees planted within the Lease Area during FY 2023-24 - 280 nos.  Outside Lease Area FY 2023-24: Nil  Survival Rate - 85%	No. of Trees planted within the Lease Area during FY 2023-24 - 300 nos.  Outside Lease Area FY 2023-24: Nil  Survival Rate - 85%	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	(a) Opencast Working – Production - 803623MT  (b) Underground Working - Production - Nil  (c) Dump Workings - Production - Nil	Opencast Working – Production - 798172.80 MT  (b) Underground Working - Production - Nil  (c) Dump Workings - Production - Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price – Rs. 209.11	Cost of production - Rs. 217.03	
9h	Scrutiny of Annual return on fixed assets		Rs. 18182096 /-	
9i	Scrutiny of Annual return on mining machineries	Rock Breaker – 280 Hp- 2 Nos Back-Hoe -1.8 CuM – 2Nos Tippers-11.36 CuM – 8 Nos Dozer 155 Hp-1 Nos	Rock Breaker – 280 Hp- 2 Nos Back-Hoe -1.8 CuM – 2Nos Tippers-11.36 CuM – 8 Nos Dozer 155 Hp-1 Nos	



Exploration carried out so far				Exploration carried out so far				EXPENDITURE	SPACING INTERVAL	TOTAL AREA COVERED	AREA TO BE EXPLORED
CORE BOREHOLES				DTH							
No. of Hole	Max. Depth in mtr	Min. Depth in mtr	Total Meterage	No. of Hole	Max. Depth in mtr	Min. Depth in mtr	Total Meterage				
51	49.18	11	1924.28	Nil	Nil	Nil	Nil	Rs. 25.52 Lakhs	100X100	43.40 Ha	Nil

EXPLORATION PROPOSED IN THE MP/ROMP DURING 2023-24								Total area proposed to covered
CORE BOREHOLES				DTH				
No. of Hole	Max.Depth in mtr	Min.Depth in mtr	Total Meterage	No. of Hole	Max.Depth in mtr	Min.Depth in mtr	Total Meterage	
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	--

Name Of Inspection Officer And Designation: Surendra singh shekhawat ,Junior Mining Geologist