

<b>INDIAN BUREAU OF MINES</b> <b>MINERAL DEVELOPMENT AND REGULATION DIVISION</b> <b>MCDR INSPECTION REPORT</b> <b>Chennai Regional Office</b>		
<b>Mine file No. TN/ALR/LST-54.MDS</b>		<b>Mine code - 38TMN24048</b>
(i)	Name of the inspecting officer & Designation	<b>D.chandra sekhar Reddy.</b> Assistant Mining Engineer
	Accompanied mine official and designation	Shri. Sumantha Das - Manager geology Shri. – Ruban Allamano Mining Engineer.
(iii)	Date of inspection	19/07/2024
<b>PART-I: General Information</b>		
1. (a)	Mine Name	Periyagalur Limestone Mine (ML – 5) 4.98.5 HC.
(b)	Registration Number	IBM/441/2011
(c)	Category	A
(d)	Type of Working	Opencast
(e)	Postal Address State District Village Taluka Post Office Police station Pin Code FAX No. E-mail Phone	M/s. UltraTech Cement Limited, Reddipalayam Post, Ariyalur District, TN, Pin – 621731 Tamil Nadu Ariyalur periyagalur Ariyalur Ariyalur Vikiramangalam 621704 04329-249253/249363 www.ultratechcement.com 04329-249240 &249249
(f)	Police Station	Vikiramangalam
(g)	First opening date	18/08/2006
(h)	Weekly day of rest	SUN
2.	Address for correspondence	M/s. UltraTech Cement Limited, Reddipalayam Post, Ariyalur District, TN, Pin – 621731 Phone: 04329-249240 &249249 Fax: 04329-249253/249363
3. (a)	Lease Number	Not Available
(b)	Lease Area	4.98.5 Ha
(c)	Period of lease	50 years
(d)	Date of expiry	02/03/2056
4.	Mineral worked	Limestone
5.	Name and address of the  Lessee:	M/s. UltraTech Cement Limited, Reddipalayam Post, Ariyalur District, TN, Pin – 621731 Phone: 04329-249240 &249249 Fax: 04329-249253/249363

	<p>Owner:</p> <p>Agent:</p> <p>Manager:</p> <p>Engineer:</p> <p>Geologist:</p>	<p>Shri. K.C. Jhanwar Nominated Owner, UltraTech Cement Limited, Aditya Birla Centre, S.K.Ahira Marg, Worli, Mumbai - 400030. Email id – sendilkumar.k@adityabirla.com Date of Appointment – 19.10.2018</p> <p>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</p> <p>Shri. Shri. Sendil kumar.K -- Mine Manager Qualification- BE Mining M/s UltraTech Cement Limited, Reddipalayam Post, Ariyalur District, TN, Pin – 621704 Date of appointment - 02.07.2024</p> <p>Shri. Ruban Allamano -- Mine Engineer Qualification- BE Min Date of appointment – 02.07.2024</p> <p>Shri. Uttam singh, Geologist(part time) Qualification- M.Sc. Geology Date of appointment - 23.05.2022</p>
6	<p>Date of Approval of Mining Plan/Modified Mining Plan with five – year period and specific condition in approval letter, if any.</p> <p>Date of Approval of Scheme of Mining/Modified Scheme of Mining with five – year period and specific condition in approval letter, if any.</p>	<p>1. TN/PBR/MP/LST/1260/SZ Dated 23.05.2001</p> <p>2. TN/PBR/MP/LST/1592A/SZ Dated 12.08.2005</p> <p>1.TN/ALR/LST/MS-594.SZ/871.MDS, Dated 27.08.2012</p> <p>2. TN/ALR/LST/MS-1131.MDS, Dated 21.10.2014.</p> <p>3. TN/ALR/LST/MS-1336.MDS, Dated 19.022016.</p> <p>4. TN/ALR/LST/ROMP-1658.MDS, Dated 04.08.2021.</p>

**PART-II : OBSERVATION / COMMENTS OF INSPECTING OFFICERS****EXPLORATION**

S. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	No proposal given for 2023-24.	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2.	No additional exploration proposed for the year 2023-24	No boreholes drilled during 2023-24.	Sufficient drilling has already been undertaken by drilling 10 no's of core drilling for total meterage of 474.70 m. hence no further exploration proposed.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Entire area has already explored to G1 level.
1e	Balance reserves as on 01.04.2024 (111 Category)	Proved mineral reserves (111)-169679 Tonnes, Pre-feasibility mineral resources (221) -2680373 tonnes.	Proved mineral reserves (111)-169679 Tonnes, Pre-feasibility mineral resources(221) -2680373 tonnes	Cement grade limestone. The mine is not in operation since 2015-16 onwards.
1f	General comments of inspecting officer on geology, exploration etc.	-	-	Cement grade limestone.Mine is not in operation since 2015-16 onwards.

**DEVELOPMENT**

S. No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	No working proposed for 2023-24 as per Modified Mining Plan.	NIL	The mine is not in operation since 2015-16 onwards.
2b	Separate benches in topsoil, overburden and minerals (Rule 13 of MCDR-2017)	OB-1 bench Mineral-3 benches.	NIL	The mine is not in operation since 2015-16 onwards..
2c	Stripping ratio or ore to OB ratio	1:0.18.	NIL	The mine is not in operation since 2015-16 onwards.
2d	Quantity of topsoil generation in m3	NIL	NIL	The mine is not in operation since 2015-16 onwards.
2e	Quantity of overburden generation in m3	NIL	NIL	The mine is not in operation since 2015-16 onwards.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.	--	--	The mine is not in operation since 2015-16 onwards for want of statutory clearances..

**EXPLOITATION**

S. No.	Item	Proposals	Actual Work	Remarks
3a	Number of Pit proposed for production	1	1	Mine not in operation since 2015-16.
3b	Quantity of ROM mineral production proposed	No proposal given during 2023-24.	NIL	Mine not in operation since 2015-16.
3c	Recovery of salable/usable mineral from ROM production	NIL	NIL	Mine not in operation since 2015-16.
3d	Quantity of mineral reject generation	NIL	NIL	Mine not in operation since 2015-16.
3e	Grade of mineral rejects generation and threshold value declared.	High silica content.	NIL	Mine not in operation since 2015-16.
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	No subgrade mineral generation	NIL	NIL
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized	NIL	Mine not in operation since 2015-16.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	No drilling & blasting proposed.	Nil	Nil
3k	Provision of mining machineries in mineral benches	Rock breaker, Excavator & Tippers are used	NIL	Mine not in operation since 2015-16.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in RoMP	6 Meter	NIL	Mine not in operation since 2015-16.
3m	Total area covered under excavation/pits	3.44 Ha	NIL	Mine not in operation since 2015-16.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.18	NIL	Mine not in operation since 2015-16.
3o	Total area put in use under different heads at the end of year	3.44 Hc	3.33 Hc	3.33 Hc pits are old pits. Mine not in operation since 2015-16.

3p	Production of ROM mineral during the last five-year period as applicable	2019-20 :49835 tonnes	2019-20 : NIL	Mine not in operation since 2015-16.
		2020-21 : 38824 tonnes	2020-21 ; NIL	
		2021-22 : 146711 tonnes	2021-22 : NIL	
		2022-23 : NIL	2022-23 : NIL	
		2023-24 : NIL	2023-24 : NIL	
3q	General remarks of inspecting officers on method of mining etc.	-	-	Mine not in operation since 2015-16.

**SOLID WASTE MANAGEMENT-DUMPING**

S. No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 36,37)	No dumping is proposed during 2023-24	NIL	Mine not in operation since 2015-16.
4b	Location of topsoil, OB and mineral reject dumps	One old dump located between 11:08:01.44 to 11:08:04.72 79:08:41.62 to 79:08:44.89	NIL	Mine not in operation since 2015-16.
4c	Number of dumps within lease area and outside of lease area	One	One	Old dump
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Within UPL	Mine not in operation since 2015-16.
4e	Number of active and alive dumps.	NIL	NIL	Mine not in operation since 2015-16.
4f	Number of dead dumps.	Nil	Nil	Mine not in operation since 2015-16.
4g	Number of dumps established.	No dumps have been established.	Nil	Mine not in operation since 2015-16.
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	Mine not in operation since 2015-16.
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	--	--	Mine not in operation since 2015-16.

**SOLID WASTE MANAGEMENT-BACKFILLING**

S. No.	Item	Proposals	Actual Work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal during 2023-24.	Nil	Mine not in operation since 2015-16.
5b	Area under backfilling of mined out area	No proposal during 2023-24.	Nil	Mine not in operation since 2015-16.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal.	NIL	Mine not in operation since 2015-16.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc	--	--	Mine not in operation since 2015-16.

**PROGRESSIVE MINE CLOSURE PLAN**

S. No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 26 (2)	Submitted.	Submitted.	Submitted with in time.
6b	Area available for rehabilitation (ha).	No proposal	Nil	Mine not in operation since 2015-16.
6c	Afforestation done (ha).	No proposal during 2023-24	NIL	Mine not in operation since 2015-16.
6d	No. of saplings planted during the year	No proposal during 2023-24	NIL	Mine not in operation since 2015-16.
6e	Cumulative no. of plants	--	1700 approx.	NIL
6f	Any other method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch and care during the year	Rs. 1,00,000	Rs. 1,00,000	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D)	No proposal	NIL	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	NIL	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation backfilled area	No proposal	NIL	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	Mineral not extracted fully.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	1700 approx	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NIL	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodic monitoring proposed	NIL	Mine not in operation since 2015-16.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	--	Mine not in operation since 2015-16..

**MINERAL CONSERVATION**

S. No.	Item	Proposals	Actual Work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal given.	NIL	Mine not in operation since 2015-16.
7b	Method of grade wise mineral sorting i.e. manual or mechanical.	No proposal for grade wise	NIL	Nil
7c	Different grade of mineral sorted out at mines.	Cement grade	NIL	Nil
7d	Any beneficiation process at mines	Nil	Nil	No beneficiation or sorting proposed or carried out.

**ENVIRONMENT**

S. No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal given during 2023-24	NIL	Mine not in operation since 2015-16.
8b	Concurrent use or storage of topsoil	No proposal.	NIL	Mine not in operation since 2015-16.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	NIL	Mine not in operation since 2015-16.
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	No proposal.	NIL	Mine not in operation since 2015-16.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal during 2023-24.	1700 (approx.) saplings planted so far.	Mine not in operation since 2015-16.
8g	Survival rate	NIL	NIL	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed	NIL	Mine not in operation since 2015-16.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	--	--	Lessee carried out plantation and natural grown bushes. Mine not in operation since 2015-16.



**COMPLIANCE UNDER RULE-45**

S. No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	Nil	Returns submitted timely	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer – Uma maheshwaran. Mine Manager – Uma maheshwaran Geologist- Uttam singh Vinithkannan R	Given in Part I, Sl No 7-9.	Nil
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 - 3.33 ha (iii) Reclaimed / Rehabilitated – 0 (iv) Used for Waste Disposal – 0.178 ha (v) Occupied by plant, buildings, residential, welfare buildings & Roads - 0 (vi) Other Purpose (Green belt, Road, area, Non-Mineral Bearing Land for future dumps, afforestation, Infrastructure) – 1.477ha	Given in Part-I, Sl No 12.	Mine not in operation since 2015-16.
9d	Scrutiny of Annual return on afforestation	No. of Trees planted within the Lease Area during - 300 nos.  Survival Rate - 85%	Given in Part V, Sl No 5.	Mine not in operation since 2015-16.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject generation	NIL	Mine not in operation since 2015-16.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL. No ROM production and despatches.	Given in Part VI, Sl 2 & 3(ii)	Mine not in operation since 2015-16.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	No production during 2023-24	Captive mine of Ultratech cements.	Mine not in operation since 2015-16.
9h	Scrutiny of Annual return on fixed assets	Details given	Given in Part II A	Mine not in operation since 2015-16.
9i	Scrutiny of Annual return on mining machineries	Machinery details not given.	No machinery found	Mine not in operation

				since 2015-16.
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<b>Details of violations observed during current inspection and compliance position of violations pointed out</b>					
Violation observed			Show cause position		
Rule No.	Issued on	Compliance on	Rule No.	Issued on	Compliance on

**Date:**

**(D.Chandrasekhar Reddy)**  
**Assistant Mining Engineer.**  
 Indian Bureau of Mines