

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR inspection REPORT**

**Chennai regional office**

**Mine file No :** TN/ALR/LST-19.MDS

**Mine code :** 38TMN38016

- (i) Name of the Inspecting : **M017** ) **Matiul Islam**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr Kamraj R, Mine Manager & Mr Sumanta Das, Geologis  
Official with  
Designation
- (iv) Date of Inspection : 25/12/2023
- (v) Prev.inspection date : 27/09/2022

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **VILLIPERINGYAM-43.04-ML2**
- (b) **Registration NO.** : **IBM/441/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : TAMIL NADU  
District : ARIYALUR  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. : 04329249253/249363  
E-mail : rajesh.sankar@adityabirla.  
Phone : 04329-249240/249249
- (f) Police Station : Vikramangalam
- (g) First opening date : 25/04/2006
- (h) Weekly day of rest : SUN
2. Address for : REDDIPALAYAM PO  
correspondance : ARIYALUR DT  
TAMILNADU- 621704
3. (a) Lease Number : TMN0991
- (b) Lease area : 43.4
- (c) Period of lease : 50
- (d) Date of Expiry : 19/03/2056
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : ULTRATECH CEMENT LIMITED  
 POST-REDDIPALAYAM, TEHSIL-  
 ARIYALUR ARIYALUR TAMIL  
 NADU  
 Phone:022-66917800  
 FAX :022-66928109

Owner : JHANWAR.K.C  
 Ultra Tech Cement  
 Ltd.Aditya Birla S.K. Ahire  
 Marg, Worli, Mumbai.  
 GREATER BOMBAY MAHARASHTRA  
 Phone: 022-66917800  
 FAX : 022-66928109

Agent : RAJESH SANKAR  
 Reddipalayam Post, Ariyalur  
 Dist. ARIYALUR TAMIL NADU  
 Phone: 04329249240  
 FAX :

## Mining Engineer

Name : MR.SENTHIL KUMAR,Full Time  
 Qualification : B.E IN MINING  
 Appointment/ : 27/04/2017  
 Termination date

## Geologist

Name : SUMANTA DAS,Full Time  
 Qualification : MSC GEOLOGY  
 Appointment/ : 12/12/2017  
 Termination date

## Manager

Name : Srihari Seshagiri Rao  
 Qualification : Dip in Mining with First class competenc  
 Appointment/ : 09/11/2022  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	27/03/2012
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	23/02/2016
	:	MP review under 17(1) MCR 2016	07/01/2021

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Lease area already fully explored upto G1 level.
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	-do-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	-do-
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	-do-
1e	Balance reserve as on 01/04/20	2,358,542 Tonnes	23,58,347 Tonnes	-do-
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Geology & Exploration of the lease were found satisfactory.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 1225600-1225800 / E 298750 - 298850	N 1225600-1225800 / E 298750 - 298850	As proposed
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches Ore - 4 OB - 2	Separate benches Ore - 4 OB - 2	-do-
2c	Stripping ratio or ore to OB ratio	1 : 0.02 (Tonne: Tonne)	1 : 0.02 (Tonne: Tonne)	-do-
2d	Quantity of topsoil generation in m3	Nil	Nil	-do-
2e	Quantity of overburden generation in m3	12,516 m3	12,639 m3	Utilised in haul road & berm maintenance

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	The development of pit w.r.t. type of deposit was found satisfactory.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit	Single pit	As proposed
3b	Quantity of ROM mineral production proposed	850756 T	850561.28 T	-do-
3c	Recovery of sailable/usable mineral from ROM production	850756 T	850561.28 T	-do-
3d	Quantity of mineral reject generation	Nil	Nil	-do-
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	-do-
3f	Quantity of sub grade mineral generation.	Nil	Nil	-do-
3g	Grade of sub grade mineral generation	NA	NA	-do-
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	-do-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	-do-

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3j	Provision of drilling and blasting in mineral benches	Non-conventional mining without drilling & blasting proposed	Non-conventional mining without drilling & blasting carried out	-do-
3k	Provision of mining machineries in mineral benches	Rock breaker, Excavator & Tippers proposed	Rock breaker, Excavator & Tippers deployed	-do-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 Meter	6 Meter	-do-
3m	Total area covered under excavation/pits	31.330 Ha.	31.330 Ha.	-do-
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.02 (Tonne: Tonne)	1 : 0.02 (Tonne: Tonne)	-do-
3o	Total area put in use under different heads at the end of year	43.40 Ha.	43.40 Ha.	-do-
3p	Production of ROM mineral during the last five year period as applicable	2018-19 1199689 2019-20 1199988 2020-21 1199768 2021-22 801685 2022-23 850756 T	2018-19 346308.66 2019-20 390571.37 2020-21 1065409.21 2021-22 798211.88 2022-23 850561.28 T	Within limits
3q	General remarks of inspecting officers on method of mining etc.	-	-	The method of mining was found satisfactory.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Topsoil/Rejects removal proposed for the year.	No Topsoil/Rejects removed during the year	OB generated utilised in haul road & berm maintenance.

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4b	Location of topsoil, OB and mineral reject dumps	NA	NA	Nil
4c	Number of dumps within lease area and outside of lease area	Within the Lease -1	Within the Lease -1	Temporary dump proposed to be rehandled in future.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Inside UPL	Inside UPL	-do-
4e	Number of active and alive dumps.	1	1	-do-
4f	Number of dead dumps.	Nil	Nil	-do-
4g	Number of dumps established.	Nil	Nil	-do-
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	-do-
4i	Length of Retaining wall or garland drain all along dumps	No proposal for the year	700 mts of already existing garland drain maintained	-do-
4j	Number of settling ponds	Nil	2	-do-
4k	Specific comments of inspecting officer on waste dump management	-	-	Waste generated proposed & utilised for haul road & berm maintenance. Temporary dump inside UPL proposed to be rehandled in future.

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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No backfilling proposed during the year	Nil	As proposed

5b	Area under backfilling of mined out area	Nil	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	No backfilling or reclamation was proposed or carried out during the year.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Submitted	In time	Along with Annual Return.
6b	Area available for rehabilitation (ha) .	Nil	Nil	Nil
6c	afforestation done (ha).	0.17 ha	0.17 ha	As proposed
6d	No. of saplings planted during the year	340 nos	350 nos	-do-
6e	Cumulative no .of plants	11865 nos	11865 nos	-do-
6f	Any other method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch and care during the year	Rs. 68000/-	Rs. 72000/-	Nil

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	Nil
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	Nil	Nil	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	Periodic monitoring carried out	All parameters within norms
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Only afforestation proposed and carried out in compliance of PMCP.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting proposed	No sorting carried out	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	Nil
7c	Different grade of mineral sorted out at mines.	NA	NA	Nil
7d	Any beneficiation process at mines	Nil	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	No issues were observed with mineral conservation. No beneficiation was proposed or carried out. Entire ROM generated was consumed.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil removal envisaged for the year	Nil	Nil
8b	Concurrent use or storage of topsoil	NA	NA	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No dumping proposed for the year	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	11865 nos saplings planted cumulatively	11865 nos saplings planted cumulatively	Nil
8g	Survival rate	85%	85%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed	Water tanker deployed for water sprinkling on haul roads	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	Aesthetic beauty in and around mines area found satisfactory.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Given	Submitted	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	7. Manager : Mr. Kamaraj R 8. Mining Engineer in charge: Mr. Sudharsan R 9. Geologist in charge : Mr. Sumanta Das	Given in Part I, Sl 7-9	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited and abandoned by opencast (O-C) mining 0.000 0.000 0.000 (ii) Covered under current (O-C) Workings 0.000 31.330 31.330 (iii) Reclaimed-rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 4.200 4.200 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.280 0.280 (vi) Used for any other purpose (specify) Safety Zone and Green Belt 0.000 7.590 7.590 (vii) Work done under progressive mine closure plan during the year 0.000 0.000 0.00	Given in Part I, Sl 12	Nil

9d	Scrutiny of Annual return on afforestation	i) Number of trees planted during the year 350 ii) Survival rate in percentage 85 iii) Total no. of trees at the end of the year 11865	Given in Part V, Sl 5	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Given in Part V, Sl 4	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Given in Part VI, Sl 2 & 3	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs 217.01/- per tonne	Given in Part VI, Sl 3 & Part VII	Nil
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets - Rs 2,02,02,330/-	Given in Part II A	Nil
9k	Scrutiny of Annual return on mining machineries	TIPPER 11.360 CUM 8 Non Electrical Opencast DOZER 155.000 HP 1 Non Electrical Opencast OTHER HEM MACHINERY 1.800 2 Non Electrical Opencast OTHER HEM MACHINERY 280.000 2 Non Electrical Opencast	Given in Part V, Sl 6	Nil

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

Violation observed		Show couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(Matiul Islam)

Indian Bureau of Mines