

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

**MCDR inspection REPORT**

**Chennai regional office**

**Mine file No :** TN/ALR/LST-20.MDS

**Mine code :** 38TMN38015

- (i) Name of the Inspecting : **D009** ) **D.CHANDRA SEK HAR REDDY**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : R.kamaraj , Mines Manager & N. Uma maheshwaran, Minin  
Official with  
Designation
- (iv) Date of Inspection : 24/12/2023
- (v) Prev.inspection date : 11/01/2023

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **REDDIPALAYAM-32.645-ML3**
- (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. : 04329 249253
- E-mail : sendilkumar.k@adityabirla.c
- Phone : 04329 249240
- (f) **Police Station** : VIKRAMANGALAM
- (g) **First opening date** : 10/03/2006
- (h) **Weekly day of rest** : SUN
2. **Address for** : REDDIPALAYAM PO  
**correspondance** ARIYALUR TK&DT
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 : R.Kamaraj, Full Time  
 Qualification : BE Mining Engineering  
 Appointment/ : 09/11/2021  
 Termination date

## Geologist

Name : SRIDHAR, Full Time  
 Qualification : M.SC (GEOLOGY)  
 Appointment/ : 04/02/2019  
 Termination date

## Geologist

Name : G.SRITHAR, Full Time  
 Qualification : MSC (GEO)  
 Appointment/ : 02/04/2019  
 Termination date

## Manager

Name : KAMARAJ.R  
 Qualification : B.E Mining, MBA  
 Appointment/ : 20/11/2022  
 Termination date

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 02/07/2012  
 Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 23/02/2016  
 MP review under 17(1) MCR 2016 18/02/2021

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

## Exploration :

| Sl.No. | Item  | Proposals | Actual work   | Remarks   |
|--------|---|-----------|---------------|---|
| 1a     | Backlog of previous year  | NIL       | NIL           | Entire ML area already explored.  |
| 1b     | Exploration over lease area for geological axis 1 or 2              | G1 level  | G1 level      | Drilling has been done by drilling 34 nos. of core drilling for a total meterage of 910.98 m to bring G1 axis. Total lease area explored under G1 axis. |
| 1c     | Exploration Agencies and 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 ML area already explored.  |
| 1e     | Balance reserve as on 01/04/20                                      | —         | NIL reserves. | Mineral reserves exhausted. FMCP approved. Currently FMCP proposals are being implemented.  |
| 1f     | General remarks of inspecting officers on geology, exploration etc  | —         | —             | Mineral exhausted. FMCP being implemented.  |

## Development :

| Sl.No. | Item   | Proposals | Actual work | Remarks   |
|--------|--|-----------|-------------|---|
| 2a     | Location of development w.r.t.lease area                       | NIL       | NIL         | Implementation works are being carried out as per approved FMCP |
| 2b     | Separate benches in topsoil, overburden and minerals (Rule 15) | NIL       | NIL         | Implementation works are being carried out as per approved FMCP |

|    |   |     |     |  |
|----|---|-----|-----|--|
| 2c | Stripping ratio or ore to OB ratio  | NIL | NIL | Implementation works are being carried out as per approved FMCP  |
| 2d | Quantity of topsoil generation in m3  | NIL | NIL | Implementation works are being carried out as per approved FMCP  |
| 2e | Quantity of overburden generation in m3   | NIL | NIL | Implementation works are being carried out as per approved FMCP  |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | —   | —   | Implementation works are being carried out as per approved FMCP. |

#### Exploitation:

| Sl.No. | Item  | Propasals | Actual work | Remarks   |
|--------|---|-----------|-------------|---|
| 3a     | Number of pit proposed for production                             | NIL       | NIL         | 2 pits exist. Implementation works are being carried out as per approved FMCP       |
| 3b     | Quantity of ROM mineral production proposed                       | NIL       | NIL         | Implementation works are being carried out as per approved FMCP                     |
| 3c     | Recovery of sailable/usable mineral from ROM production           | NIL       | NIL         | NIL   |
| 3d     | Quantity of mineral reject generation                             | NIL       | NIL         | NIL   |
| 3e     | Grade of mineral rejects generation and threshold value declared. | NIL       | NIL         | Mineral exhausted, Implementation works are being carried out as per approved FMCP. |
| 3f     | Quantity of sub grade mineral generation.                         | NIL       | NIL         | NIL   |
| 3g     | Grade of sub grade mineral generation                             | NIL       | NIL         | NIL   |

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|----|--|--|--|--|
| 3h | Manual /<br>Mechanised<br>method adopted<br>for segregating<br>from ROM  | NIL  | NIL  | NIL  |
| 3i | Any analysis or<br>beneficiation<br>study proposed<br>and carried out<br>for sub grade<br>mineral and<br>rejects.      | NIL  | NIL  | NIL  |
| 3j | Provision of<br>drilling and<br>blasting in<br>mineral benches   | NIL  | NIL  | Implementation<br>works are being<br>carried out as per<br>approved FMCP   |
| 3k | Provision of<br>mining<br>machineries in<br>mineral benches  | NIL  | NIL  | No machinery<br>deployed. Implement<br>ation works are<br>being carried out<br>as per approved<br>FMCP                                 |
| 3l | Whether height<br>of benches in<br>overburden and<br>mineral suitable<br>for method of<br>mining proposed<br>in MP/SOM | NIL  | NIL  | Implementation<br>works are being<br>carried out as per<br>approved FMCP   |
| 3m | Total area<br>covered under<br>excavation/pits   | —  | 8.963 HC   | Implementation<br>works are being<br>carried out as per<br>approved FMCP   |
| 3n | Ore to OB ratio<br>for the pit/mine<br>during the year.  | NIL  | NIL  | NIL  |
| 3o | Total area put<br>in use under<br>different heads<br>at the end of<br>year   | NIL  | 32.645 HC.   | Implementation<br>works are being<br>carried out as per<br>approved FMCP   |
| 3p | Production of<br>ROM mineral<br>during the last<br>five year period<br>as applicable                                   | 2018-19 -<br>398,248 tonnes<br>2019-20 -<br>399,899<br>tonnes.<br>2020-21 -<br>179,153<br>tonnes.<br>2021-22 -<br>138,176<br>tonnes<br>2022-23 - NIL | 2018-19 - 426793.30<br>tonnes<br>2019-20 - 229693.85<br>tonnes.<br>2020-21 - 13107.97<br>tonnes.<br>2021-22 - 138174.45<br>tonnes<br>2022-23 - NIL | No production &<br>development, No<br>valid document.<br>Implementation<br>works are being<br>carried out as per<br>approved FMCP<br>. |

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| 3q | General remarks of inspecting officers on method of mining etc. | — | — | Implementation works are being carried out as per approved FMCP . |
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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)   | NIL       | NIL         | No valid ROMP document. Implementation works are being carried out as per approved FMCP |
| 4b     | Location of topsoil, OB and mineral reject dumps                   | NIL       | NIL         | Implementation works are being carried out as per approved FMCP                         |
| 4c     | Number of dumps within lease area and outside of lease area        | NIL       | NIL         | NIL   |
| 4d     | Location of dumps w.r.t. ultimate pit limit (Rule 16)              | NIL       | NIL         | NIL   |
| 4e     | Number of active and alive dumps.                                  | NIL       | NIL         | NIL   |
| 4f     | Number of dead dumps.  | NIL       | NIL         | NIL   |
| 4g     | Number of dumps established.                                       | NIL       | NIL         | NIL   |
| 4h     | Whether Retaining wall or garland drain all along dumps are there. | NIL       | NIL         | NIL   |
| 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   | —         | —           | Implementation works are being carried out as per approved FMCP .                       |

## 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. | NIL       | NIL         | Implementation works are being carried out as per approved FMCP . |
| 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.                    | —         | —           | Implementation works are being carried out as per approved FMCP . |

## 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). | NIL       | NIL         | Implementation works are being carried out as per approved FMCP . |
| 6b     | Area available for rehabilitation (ha) .                                     | NIL       | NIL         | NIL   |
| 6c     | afforestation done (ha).   | NIL       | 14.932      | Implementation works are being carried out as per approved FMCP   |
| 6d     | No. of saplings planted during the year                                      | —         | 14300       | Implementation works are being carried out as per approved FMCP   |
| 6e     | Cumulative no .of plants   | NIL       | 25510       | Implementation works are being carried out as per approved FMCP   |

|    |   |  |  |   |
|----|---|--|--|---|
| 6f | Any other method of rehabilitation  | NIL  | NIL  | NIL   |
| 6g | Cost incurred on watch and care during the year   | NIL  | Rs. 23,56,200  | Implementation works are being carried out as per approved FMCP |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D | NIL  | NIL  | NIL   |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings           | NIL  | NIL  | NIL   |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area          | NIL  | NIL  | NIL   |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir   | 1.999 ha making water reservoir<br>5.0 ha Plantation on backfilled area<br>8.56 ha Gape plantation | 1.999 ha making water reservoir<br>5.0 ha Plantation on backfilled area<br>8.56 ha Gape plantation | Implementation works are being carried out as per approved FMCP |
|    |   | 1.999 ha making water reservoir<br>5.0 ha Plantation on backfilled area<br>8.56 ha Gape plantation |  |   |

|    |   |          |   |   |
|----|---|----------|---|---|
| 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)                                | Proposed | Environment Monitoring carried out on monthly basis | Implementation works are being carried out as per approved FMCP |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | —        | —   | Implementation works are being carried out as per approved FMCP |

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Mineral Conservation:

| Sl.No. | Item  | Propasals | Actual work | Remarks   |
|--------|---|-----------|-------------|---|
| 7a     | ROM Mineral dispatch or grade-wise sorting within lease area    | NIL       | NIL         | Implementation works are being carried out as per approved FMCP |
| 7b     | Method of grade-wise mineral sorting i.e. manual or mechanical. | NIL       | NIL         | NIL   |
| 7c     | Different grade of mineral sorted out at mines.                 | NIL       | NIL         | NIL   |

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|    |  |     |     |   |
|----|--|-----|-----|---|
| 7d | Any beneficiation process at mines   | NIL | NIL | NIL   |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | —   | —   | Implementation works are being carried out as per approved FMCP |

## Environment:

| Sl.No. | Item  | Propasals | Actual work | Remarks   |
|--------|---|-----------|-------------|---|
| 8a     | Separate removal and utilization of topsoil (Rule 32)   | NIL       | NIL         | Implementation works are being carried out as per approved FMCP |
| 8b     | Concurrent use or storage of topsoil  | NIL       | NIL         | NIL   |
| 8c     | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                                      | NIL       | NIL         | NIL   |
| 8d     | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | NIL       | NIL         | NIL   |
| 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)                    | —         | 25510       | Implementation works are being carried out as per approved FMCP |

|    |  |     |     |   |
|----|--|-----|-----|---|
| 8g | Survival rate  | NA  | 90% | Implementation works are being carried out as per approved FMCP |
| 8h | Water sprinkling on roads to control airborne dust                                 | NIL | NIL | Implementation works are being carried out as per approved FMCP |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | —   | —   | Implementation works are being carried out as per approved FMCP |

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Compliance of Rule 45:

| Sl.No. | Item  | Propasals      | Actual work  | Remarks   |
|--------|---|----------------|--|---|
| 9a     | Status of submission of Monthly and Annual returns  | NA             | Monthly and aR submitted upto 2021-22, PMCP approved and Implementation works are being carried out as per approved FMCP | NIL   |
| 9b     | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | Details given. | Manager & Mining Engineer-R.Kamaraj Geologist - G.sridhar .  | NIL   |
| 9c     | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Details given. | Covered under current workings - 8.963 HC reclaimed& rehabilitated - 0.969 Hc.Safety zone 7 green belt - 18.674 Hc.      | NIL   |
| 9d     | Scrutiny of Annual return on afforestation  | Details given. | 14300 saplings planted during the year 2022-23.  | Implementation works are being carried out as per approved FMCP |
| 9e     | Scrutiny of Annual return on mineral reject generation (Grade and quantity)                   | NIL            | NIL  | NIL   |
| 9f     | Scrutiny of Annual return on ROM stock and/or graded ore                                      | NIL            | NIL  | Implementation works are being carried out as per approved FMCP |

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|    |   |                |                        |  |
|----|---|----------------|------------------------|--|
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | NIL            | NIL                    | No production. Implementation works are being carried out as per approved FMCP |
| 9h | Scrutiny of Annual return on fixed assets                                   | Details given. | Rs.16514551.           | Combinedly given for group mines.  |
| 9k | Scrutiny of Annual return on mining machineries                             | NIL            | No machinery deployed. | Implementation works are being carried out as per approved FMCP                |

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

| Violation observed |                         | Show cause position |                         |
|--------------------|-------------------------|---------------------|-------------------------|
| Rule NO.           | Issued on Compliance on | Rule NO.            | Issued on Compliance on |

**Date :**

**(D.CHANDRA SEKHAR REDDY)**

Indian Bureau of Mines