

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

**Mining Plan Modification REPORT**

**Chennai regional office**

**Mine file No :** TN/PBR/LST-54.MDS

**Mine code :** 38TMN24048

- (i) Name of the Inspecting : **D009** ) **D.CHANDRA SEK HAR REDDY**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Samantha Das ,Geologist.& Ruban Allamano, Manager.  
Official with  
Designation
- (iv) Date of Inspection : 23/12/2023
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PERIYANAGALUR\_4.985HA**
- (b) **Registration NO.** : **IBM/44/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : ARIYALUR
- Village : PERIYANAGALUR
- Taluka : ARIYALUR
- Post office : REDDIPALAYAM
- Pin Code : 621704
- FAX No. : 04329-249253
- E-mail : devanand.m@adityabirla.com
- Phone : 04329-249240-49
- (f) Police Station : ARIYALUR
- (g) First opening date : 20/09/2005
- (h) Weekly day of rest : SUN
2. Address for : ULTRATECH CEMENT LIMITED  
correspondance REDDIPALAYAM POST, ARIYALUR  
PERAMBALUR - 621 704.
3. (a) Lease Number : TMN0989
- (b) Lease area : 4.99
- (c) Period of lease : 50
- (d) Date of Expiry : 02/03/2056
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 : K.C.Jhanwar  
 Ultra Tech Cement Limited,  
 Aditya Birala  
 Cement,S.K.Ahire Marg  
 Worli,Mumbai MUMBAI  
 (SUBURBAN) MAHARASHTRA  
 Phone:  
 FAX : 04329-249253

Agent : K.Karunakar Rao  
 Ultra tech cements Ltd.  
 Reddypalayam works &PO  
 Ariyalur Dt. ARIYALUR TAMIL  
 NADU  
 Phone:  
 FAX :

## Mining Engineer

Name : N.Uma Maheswaran,Full Time  
 Qualification : BE(MINING)  
 Appointment/ : 23/05/2022  
 Termination date

## Geologist

Name : Mr Uttam Singh,Full Time  
 Qualification : MSc PhD(Geology)  
 Appointment/ : 23/05/2022  
 Termination date

## Manager

Name : Ruban Allamano  
 Qualification : BE(MINING)  
 Appointment/ : 25/10/2023  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Fresh under rule 22 MCR1960 12/08/2005  
 Mining Scheme rule 12 MCDR1988 27/08/2012  
 Modif.approved Mining Scheme 20/10/2014  
 Mining Scheme rule 12 MCDR1988 19/02/2016  
 MP review under 17(1) MCR 2016 04/08/2021

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	Sufficient drilling has already been undertaken by drilling 10 nos. of core drilling for a total meterage of 474.70 m. Hence, no further exploration proposed during the plan period.
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	Alreay explored to G1 level.
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	NIL
1e	Balance reserve as on 01/04/20	—	1,69,679 tonnes of proved reserves (As on 01.04.2023)	NIL
1f	General remarks of inspecting officers on geology, exploration etc	—	—	Exploration already carriedout.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N1231320-1231340 / E 297405 - 297360.	No mining operations carriedout.	Mine is not in operation for want of EC clearence.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed.	Separate benches maintained.	Mine is not in operation for want of EC clearence.

2c	Stripping ratio or ore to OB ratio	1: 0.18	No mining operations carried out.	Mine is not in operation for want of EC clearance.
2d	Quantity of topsoil generation in m3	NIL	NIL	No topsoil generated.
2e	Quantity of overburden generation in m3	NIL	NIL	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	—	—	Mine is not in operation due to EC problem.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit.	One pit.	Mine not in operation due to EC problem.
3b	Quantity of ROM mineral production proposed	146711 tonnes.	NIL	Mine not in operation due to EC problem.
3c	Recovery of sailable/usable mineral from ROM production	85%	NIL	NIL
3d	Quantity of mineral reject generation	25890	NIL	Mine not in operation due to EC problem.
3e	Grade of mineral rejects generation and threshold value declared.	below 34% of CaO	NIL	Mine not in operation due to EC problem.
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	NIL	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	NIL	NIL

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	Non-conventional method of mining.	NIL	NIL
3k	Provision of mining machineries in mineral benches	proposed.	NIL	Mine not in operation due to EC problem.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m height benches proposed.	Benches maintained .	Mine not in operation due to EC problem.
3m	Total area covered under excavation/pits	NA	3.33 Hc	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.18	NIL	Mine not in operation due to EC problem.
3o	Total area put in use under different heads at the end of year	4.98.5 Ha	4.98.5 Ha	NIL
3p	Production of ROM mineral during the last five year period as applicable	2019-20 - 49,835 T 2020-21 - 38824 T 2021-22 - 19848 T 2022-23 - 146,711 T  2022-23 1070 T	2019-20 - NIL 2020-21 - NIL 2021-22 - NIL 2022-23 - NIL	Mine not in operation due to EC problem.
3q	General remarks of inspecting officers on method of mining etc.	—	—	Mine is not in operation.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Topsoil, Overburden Proposed. Mineral Rejects will be backfilled	NIL	Mine is not in operation due to EC problem.
4b	Location of topsoil, OB and mineral reject dumps	No proposal.	NIL	NIL
4c	Number of dumps within lease area and outside of lease area	One	one	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Within UPL	NIL
4e	Number of active and alive dumps.	One	One	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.	No proposal.	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	—	—	Mine is not in operation, one waste dump exist.

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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.	NIL	NIL	Mine is not in operation.

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	Topsoil removed earlier was utilised for plantation
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	—	—	Mine not working, mineral not extracted fully.

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).	Yes.	NIL	Mine not in operationsince 2015.
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	0.50 HC.	0.50 Hc	NIL
6d	No. of saplings planted during the year	1000	1780	NIL
6e	Cumulative no .of plants	—	1830	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	NIL	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	80x52x15	NIL	Mine not in operation

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	Mine not in operation .
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	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	0.50 hc(1000 saplings along safety zone)	1782 saplings done.	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 done.	Mine not working.



6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	—	—	Mine not in operation due to EC problem .
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1070 T	NIL	Mine not in operation due to EC problem.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical.	NIL	Mine not in operation.
7c	Different grade of mineral sorted out at mines.	NIL	NIL	NIL
7d	Any beneficiation process at mines .	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	—	—	Mine iis not in operation due to EC problem.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Topsoil excavation	NIL	Mine not in operation.
8b	Concurrent use or storage of topsoil	NIL	NIL	NIL

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One waste dump.	NIL	Mine not in operation.
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)	1830	1830 nos sapling splanted.	NIL
8g	Survival rate	80%	70%	NIL
8h	Water sprinkling on roads to control airborne dust	Proposed.	NIL	Mine not in operation.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	—	—	Plantation was done along boundary and waste lands, Mine not in operation.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes.	Monthly and AR 2022-23 submitted.	Mine not in operation.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given.	Manager- Ruban Allamano Mining Engineer - Uma Maheswaran Geologist - Uttam Singh	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given.	Area under Pits - 3.330 ha. Reclaimed area - 0.00 ha. Dumps - 0.178 Safety Zone & Green Belt - 1.4 ha.	NIL
9d	Scrutiny of Annual return on afforestation	Details given.	1782 saplings planted.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	No mineral reject generation reported. Mine not in operation.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	No ROM generation reported. Mine not in operation.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL	NIL reported. Mine not in operation.
9h	Scrutiny of Annual return on fixed assets	Details given.	Rs.2244184.	NIL
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	No machiner reported. NIL . Mine not in operation.

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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