

**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 : S011 ) SALIL SANDIP KUJUR  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : MR. PRAMODHARAN GEOLOGIST ULTRATECH  
Official with  
Designation
- (iv) Date of Inspection : 17-AUG-17
- (v) Prev.inspection date : 08-AUG-14

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : VILLIPERINGYAM-43.04-ML2
- (b) **Registration NO.** :
- (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. :
- E-mail :
- Phone :
- (f) **Police Station** :
- (g) **First opening date** : 25-APR-06
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : REDDIPALAYAM PO  
ARIYALUR DT  
TAMILNADU- 621704
3. (a) **Lease Number** : TMN0991
- (b) **Lease area** : 43.4
- (c) **Period of lease** : 30
- (d) **Date of Expiry** : 09-FEB-36
4. **Mineral worked** : LIMESTONE Main

## 5. Name and Address of the

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

Owner : SRI RAJIV DUBE  
 ULTRATECH CEMENTS LIMITED  
 REDDIPALAYAM POST,  
 ARIYALUR TK - 6 ARIYALUR  
 TAMIL NADU  
 Phone:  
 FAX : 04329 - 220212

Agent : SRI V.GANESAN  
 ULTRATECH CEMENTS LIMITED  
 REDDIPALAYAM POST,  
 ARIYALUR TK - 6 ARIYALUR  
 TAMIL NADU  
 Phone:  
 FAX :

## Mining Engineer

Name : H.N. ASKOKA,Part Time  
 Qualification : B.E. MINING  
 Appointment/ : 28-JUL-10  
 Termination date

## Geologist

Name : T.S.GANESAN,Full Time  
 Qualification : M.Sc  
 Appointment/ : 04-JUL-08  
 Termination date

## Manager

Name : Bhupendra khorapia  
 Qualification : DME,FCC  
 Appointment/ : 23-AUG-12  
 Termination date

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 27-MAR-12  
 Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 23-FEB-16

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	4 boreholes	NIL	VIOLATION POINTED OUT
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	Complete lease area explored in G1 category as per UNFC classification
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	-	5884211 Tonnes	NIL
1f	General remarks of inspecting officers on geology, exploration etc	-	-	SATISFACTORY

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Northern side of the lease	Northern side of the lease	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	Separate benches available	NIL
2c	Stripping ratio or ore to OB ratio	1:0.96	1:0.20	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	-	83027	NIL

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	SATISFACTORY
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE	ONE	NIL
3b	Quantity of ROM mineral production proposed	1199997 T	601788.17 T	within limit
3c	Recovery of sailable/usable mineral from ROM production	NA	NIL	NIL
3d	Quantity of mineral reject generation	NIL	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NA	NIL	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NA	NIL	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANISED	MECHANISED	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	NO	NIL	NIL

3k	Provision of mining machineries in mineral benches	YES ,Ripper Dozer, Excavator & Tippers are used	Ripper Dozer, Rock breaker, Excavator & Tippers are used	DEPLOYED AS PER PLAN
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	AS PER PLAN 6 MTR	AS PER PLAN
3m	Total area covered under excavation/pits	34.11 hect	34.11 hect	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.96	1:0.20	NIL
3o	Total area put in use under different heads at the end of year	MINING=34.11 HA RAODS=1.5 HA RECLAMATION=1.25 HA OFFICE AND OTHERS=1.25 HA STATUTORY BARRIER=3 HA	MINING=34.11 HA RAODS=1.5 HA RECLAMATION=1.25 HA OFFICE AND OTHERS=1.25 HA STATUTORY BARRIER=3 HA	NIL
3p	Production of ROM mineral during the last five year period as applicable	"2012-13: 1147760 T 2013-14: 1598800 T 2014-15: 2056200 T 2015-16: 2009800 T 2016-17: 1199997 T Total: 8012557 T"	"2012-13: 393195 T 2013-14: 294630 T 2014-15: 188677 T 2015-16: 433622 T 2016-17: 601788 T Total: 1911912 T"	NIL, WITHIN LIMIT
3q	General remarks of inspecting officers on method of mining etc.	-	-	SATISFACTORY

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate Dumps	Separate Dumps AVAILABLE	NIL
4b	Location of topsoil, OB and mineral reject dumps	backfilling	used for backfilling	NIL
4c	Number of dumps within lease area and outside of lease area	1 within lease area	1 within lease area	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Eastern part of the lease	Eastern part of the lease	NIL
4e	Number of active and alive dumps.	NIL	NIL	NIL
4f	Number of dead dumps.	1	1	-
4g	Number of dumps established.	NIL	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall proposed	Garland drains are made	NIL
4i	Length of Retaining wall or garland drain all along dumps	100m3 both Garland drain and retaining wall	800 cu.m garland drain	NIL
4j	Number of settling ponds	1	3 settling tanks	NIL
4k	Specific comments of inspecting officer on waste dump management	-	-	SATISFACTORY

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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.	Backfilling after exhaust of mineral	Backfilling carried out after complete extraction of mineral	NIL

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5b	Area under backfilling of mined out area	2.48 hect	1.31 hect	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil spreading on backfilled area	Top soil spreaded on backfilled area	NIL, WORK AS PER PLAN
5d	Total area fully reclaimed and rehabilitated	2.474 hect	1.31 hect	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	SATISFACTORY

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	Yes submitted on 15/06/2017	NIL
6b	Area available for rehabilitation (ha) .	2.474 hect	1.31 hect	NIL
6c	afforestation done (ha).	-	1.25 hect	afforestation done
6d	No. of saplings planted during the year	600 nos	1494 nos	afforestation done, in green belt
6e	Cumulative no .of plants		11643 nos (last 5 years)	-
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	0.225 LAKHS	0.30 LAKHS	NIL

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	180*138*38	120*120*18	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	2.48 hect	1.31 hect	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Nil	Grass seeds spreaded, plantation to be done	-
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	NIL	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	Rehabilitated by afforestation	



6p	Compliance of environmental monitoring (core zone and buffer zone)	YES,AAQ, Water Quality, Noise level	Complied as per proposal	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	SATISFACTORY

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1199997 T	601788 tonnes dispatched	WITHIN LIMIT
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MECHANICAL	MECHANICAL	NIL, AS PER PLAN
7c	Different grade of mineral sorted out at mines.	NA	NA	NIL
7d	Any beneficiation process at mines	NO,NA	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	SATISFACTORY

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil used for afforestation	Top soil used for afforestation	-

8b	Concurrent use or storage of topsoil	Top soil used for afforestation	Top soil used for afforestation on backfilled area	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES	Separate dumps available	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Used for backfilling	Overburden used for backfilling of the area	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	YES	Backfilled area will be restored by plantation	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	1494 nos plantation carried out in 1.2 hect area	NIL
8g	Survival rate	-	90%	-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is to be carried out by using water tanker on roads	Water sprinkling carried out by using water tanker on roads	nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	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	yes	Monthly returns submitted before 10th of every month. Annual Return Submitted for the year 2016-17 on 14.06.2017	nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		not appointed	not appointed, violation pointed out
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	as per plan	as per plan	nil
9d	Scrutiny of Annual return on afforestation		afforestation done as per plan	nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	not applicable	na	nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	no stock	no stock	nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	captive mine	captive mine, production cost given	nil
9h	Scrutiny of Annual return on fixed assets	-	-	Nil deployed as given
9k	Scrutiny of Annual return on mining machineries	-	-	Nil deployed as given

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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 :**

(SALIL SANDIP KUJUR)

Indian Bureau of Mines