

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/ALR/LST-18.MDS

Mine code : 38TMN38035

- (i) Name of the Inspecting : **T003**) **S.THIRUNAVUKKARASU**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Manoharan,AVP,Sendilkumar,Manage
Official with
Designation
- (iv) Date of Inspection : 28/03/2018
- (v) Prev.inspection date : 23/11/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **EDAIYATHANGUDI (10.545 H)**
- (b) **Registration NO.** :
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : ARIYALUR
- Village : EDAIYATHANGUDI
- Taluka : ARIYALUR
- Post office : EDAIYATHANGUDI
- Pin Code : 621707
- FAX No. : 043219-249253
- E-mail :
- Phone : 043219-249240
- (f) **Police Station** :
- (g) **First opening date** : 28/02/2014
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : REDDIPALAYAM CEMENT WORKS
REDDIPALAYAM PO
ARIYALUR TALUK DISTRICT
3. (a) **Lease Number** : TMN1597
- (b) **Lease area** : 10.54
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 16/10/2032
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 : SRI H.N.ASHOKA,Part Time
 Qualification : B.E(Mining)
 Appointment/ : 28/07/2010
 Termination date

Geologist

Name : T.S.GANESAN,Full Time
 Qualification : M.Sc
 Appointment/ : 04/07/2008
 Termination date

Manager

Name : Bhupendra khorapia
 Qualification : DME,FCC
 Appointment/ : 23/08/2012
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Modif.of approved Mining Plan 29/01/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	NIL	NIL	
1f	General remarks of inspecting officers on geology, exploration etc	--	NIL	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NIL	No development backfilling unde progress as per the FMCP	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NIL	NIL	
2c	Stripping ratio or ore to OB ratio	1:1.61	1:0.98	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	NIL	NIL	

2f General remarks -- Development are as per
of inspecting the FMCP
officers on
development of
pit w.r.t. type
of deposit etc

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	FMCP under completion
3b	Quantity of ROM mineral production proposed	2016-17=84515 t	81707 t	
3c	Recovery of sailable/usable mineral from ROM production	NIL	NIL	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	NIL	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Machanised	Machanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	
3j	Provision of drilling and blasting in mineral benches	NIL	NIL	

3k	Provision of mining machineries in mineral benches	Rock Braked, Excavator, Tipper	Rock Braked, Excavator, Tipper	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NIL	NIL	
3m	Total area covered under excavation/pits	3.44 hect	08.18 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.61	1:0.95	
3o	Total area put in use under different heads at the end of year	6.665 Hect	6.665 Hect	as per the FMCP
3p	Production of ROM mineral during the last five year period as applicable	2014-15=72038 2015-16=84705 2016-17=84937	2014-15=44074 2015-16=84970 2016-17=81707 2017-18=nil	FMCP under completion stage
3q	General remarks of inspecting officers on method of mining etc.	--	FMCP work under completion stage	

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	seperate dup	The top soil dump used to spread above the backfilling area	
4b	Location of topsoil, OB and mineral reject dumps	Eastern Part of the Lease	Eastern Part of the Lease	The ob are use for backfilling as per the FMCP
4c	Number of dumps within lease area and outside of lease area	one	one	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Eastern Part of the Lease	Eastern Part of the Lease	

4e	Number of active and alive dumps.	Nil	Nil
4f	Number of dead dumps.	one	used for backfilling
4g	Number of dumps established.	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drins	Garland drins
4i	Length of Retaining wall or garland drain all along dumps	--	50m
4j	Number of settling ponds	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	--	Satisfactory

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.	Bakfillg	Bakfillg as per the FMCP	
5b	Area under backfilling of mined out area	0.52 Hect	0.52 Hect	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil used for Spreading on backfilled area	Top soil used for Spreading on backfilled area	
5d	Total area fully reclaimed and rehabilitated	8.18 hect	8.18 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	submitted on 15.06.17	
6b	Area available for rehabilitation (ha) .	1.845 hect	As per the proposal carried	
6c	afforestation done (ha).	4.03	4.03	
6d	No. of saplings planted during the year	640 nos	600 nos	
6f	Any other method of rehabilitation	nil	Nil	
6g	Cost incurred on watch and care during the year	1.45 lakhs	0.40	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	60*120*5	60*100*5	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1.845hect	1.845	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	1.28	1.28 Hect	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	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	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Monitorin in quaterly basis
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	satisfactory

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	FMCP progras
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Machanise	Machanise	
7c	Different grade of mineral sorted out at mines.	NA	NA	

7d	Any beneficiation process at mines	NA	NA
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	---	satisfactory

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	
8b	Concurrent use or storage of topsoil	Top soil proposed to use to spread backfillare	As per the proposal	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	separeae dump available	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed foe backfilling	As per the proposal	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposaed	As per the FMCP work uned progress	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	--	750 plantatio carried out	

8g	Survival rate	72%	70%
8h	Water sprinkling on roads to control airborne dust	--	--
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	--	Asthetic bueaty of the mine is foun stisfactory

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	--	Monthly and Annual retuns are sumited	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	proposed	Mining Engineer in charge Mr. Sendil Kumar. K	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	proposed	Given as per the proposal	
9d	Scrutiny of Annual return on afforestation	Given	As proposed	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA	NA	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NA	NA	
9h	Scrutiny of Annual return on fixed assets	Given	RS-7490000	

9k	Scrutiny of Annual return on mining machineries	Given	As per the proposal
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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 :

(S. THIRUNAVUKKARASU)

Indian Bureau of Mines