

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

**FMCP Inspection REPORT**

**Chennai regional office**

**Mine file No :** TN/ALR/Lst-11/Mds

**Mine code :** 38TMN38011

- (i) Name of the Inspecting : **M017** ) **Matiul Islam**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. R.Ravikumar (DGM - Mines), Mr.S.Srinivasan (Geolo  
Official with  
Designation
- (iv) Date of Inspection : 04/08/2023
- (v) Prev.inspection date : 06/10/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PUDUPALAYAM 4.325**
- (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. : 04329-247726  
E-mail : ariyalur@chettinadcement.co  
Phone : 04329-247761,247778, 97888!
- (f) Police Station : ARIYALUR
- (g) First opening date : 01/04/2011
- (h) Weekly day of rest : SUN
2. Address for : Chettinad Cement Corporation Ltd  
correspondance PO.No748, 603 Annasalai, Chennai, Tamilnadu  
Pin:600 006
3. (a) Lease Number : TMN1050  
(b) Lease area : 4.33  
(c) Period of lease : 20  
(d) Date of Expiry : 10/02/2030
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : CHETTINAD CEMENT CORPORATION LIMITED  
 4TH FLOOR, RANI SEETHAI  
 HALL BLDG 603, ANNA SALAI  
 CHENNAI CITY TAMIL NADU  
 Phone:044-28292727, 42149955  
 FAX :044 - 28291558

Owner : L.MUTHUKRISHNAN  
 4TH FLOOR, RANI SEETHAI  
 HALL BUILDG 603, ANNA  
 SALAI, CHENNAI CHENNAI  
 CITY TAMIL NADU  
 Phone: 044-28292727, 4  
 FAX : 04428291558

Agent : RA.Krishnakumar  
 PO.No748, 603 Annasalai,  
 Chennai CHENNAI CITY  
 TAMIL NADU  
 Phone: 044 28292727  
 FAX : 044 28291558

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	26/10/2009
Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	26/10/2009
	:	MP review under 17(1) MCR 2016	22/06/2021

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	10 boreholes were proposed for the year 2021-22	10 boreholes were drilled in 2022-23	Mine was inoperational for more than 10 years due to non-availability of EC.
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	Boreholes were proposed to establish the depth persistence of orebody.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	Rs 2,32,500/-	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Lease fully explored to G1 level.
1e	Balance reserve as on 01/04/20	Limestone - 0.315 Million Tonnes Marl - 0.0267 Million Tonnes Total - 0.3147 Million Tonnes	Limestone - 0.315 Million Tonnes Marl - 0.0267 Million Tonnes Total - 0.3147 Million Tonnes	The lessee has revised the reserve estimation on the basis of the latest drilled boreholes and submitted the same along with FMCP which is under process.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The 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-1232217- N-1232266 E-294642- E-294709	Nil	Mine inoperational since 11.10.2012 for want of Environmental clearance.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed in OB & Minerals. No Topsoil removal envisaged.	Nil	-do-
2c	Stripping ratio or ore to OB ratio	1:0.47	Nil	-do-
2d	Quantity of topsoil generation in m3	Nil	Nil	-do-
2e	Quantity of overburden generation in m3	85,750 cu.m.	Nil	-do-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	No development was carried out during the plan period as the mine is inoperational since 11.10.2012 for want of Environmental clearance.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit	Nil	Mine inoperational since 11.10.2012 for want of Environmental clearance.
3b	Quantity of ROM mineral production proposed	Limestone- 2,45,007 Ts Marl - 26,771 Ts Total - 2,71,778 Ts	Nil	-do-
3c	Recovery of sailable/usable mineral from ROM production	100%	Nil	-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-
3j	Provision of drilling and blasting in mineral benches	Nil	Nil	Non-conventional mining without drilling & blasting proposed.
3k	Provision of mining machineries in mineral benches	Rock breaker 120 TPH 1 Hydraulic excavator 1.5 m <sup>3</sup> 1 Tipper 20T 12	Nil	Mine inoperational since 11.10.2012 for want of EC.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Max. Bench Height - 7m Avg. Bench Widht - 7m	Max. Bench Height - 7m Avg. Bench Widht - 7m	-do-
3m	Total area covered under excavation/pits	2.605 Ha	2.605 Ha	-do-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.47 (T:T)	Nil	-do-
3o	Total area put in use under different heads at the end of year	4.325 Ha	4.325 Ha	-do-
3p	Production of ROM mineral during the last five year period as applicable	2020-21- Nil 2021-22- Nil 2022-23- 271778 Ts	2020-21- Nil 2021-22- Nil 2022-23- Nil	-do-

3q	General remarks - of inspecting officers on method of mining etc.	-	-	No mining was carried out during the plan period as the mine is inoperational since 11.10.2012 for want of Environmental clearance.
----	---	---	---	---

### 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 or mineral rejects generation envisaged for the plan period.	Nil	Mine inoperational since 11.10.2012 for want of Environmental clearance.
4b	Location of topsoil, OB and mineral reject dumps	OB proposed to be backfilled into central portion of the lease along N1227782- 1227909/E29520 9-295369	Nil	-do-
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)	NA	NA	Nil
4e	Number of active and alive dumps.	NA	NA	Nil
4f	Number of dead dumps.	NA	NA	Nil
4g	Number of dumps established.	NA	NA	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	NA	NA	Nil

4j	Number of settling ponds	NA	NA	Nil
4k	Specific comments of inspecting officer on waste dump management	-	-	No waste was generated during the plan period as the mine is inoperational since 11.10.2012 for want of Environmental clearance.

---

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.	Concurrent backfilling proposed along with mining	Nil	Mine inoperational since 11.10.2012 for want of Environmental clearance.
5b	Area under backfilling of mined out area	Not specified	Nil	-do-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No topsoil generation envisaged	Nil	-do-
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 carried out during the plan period as the mine is inoperational since 11.10.2012 for want of Environmental clearance.

---

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 along with AR	Mine inoperational since 11.10.2012 for want of Environmental clearance.
6b	Area available for rehabilitation (ha) .	Not specified	Nil	-do-
6c	afforestation done (ha).	Not specified	Nil	-do-
6d	No. of saplings planted during the year	1000 nos saplings proposed to be planted in the green belt along the mine periphery/ safety zone area	Nil	-do-
6e	Cumulative no .of plants	1,400 saplings cumulatively proposed for the plan period 2020-21 to 2024-25	2,130 nos saplings cumulatively planted since inception	-do-
6f	Any other method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch and care during the year	Not specified	Nil	-do-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not specified	Nil	-do-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not specified	Nil	-do-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil	-do-



6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	Proposal for rehabilitating the pit as a water reservoir has been made in the FMCP under process
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)	NA	NA	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	NA	NA	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	No progressive closure operations were carried out during the plan period as the mine is inoperational since 11.10.2012 for want of Environmental clearance.

---

Mineral Conservation:

---

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

---

7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting proposed	Nil	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	-	-	Entire ROM was proposed to be consumed. No operations were carried out during the plan period as the mine was inoperational for want of EC.

---

**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil removal envisaged	Nil	Mine inoperational since 11.10.2012 for want of Environmental clearance.
8b	Concurrent use or storage of topsoil	NA	NA	-do-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Only OB generation envisaged & proposed to be backfilled into mined out areas.	Nil	-do-

---

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB generated proposed to be backfilled into mined out benches	Nil	-do-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	OB generated proposed to be backfilled into mined out benches	Nil	-do-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1,400 nos saplings proposed to be planted during the plan period 2020-21 to 2024-25	2,130 nos saplings planted since inception of the mine	-do-
8g	Survival rate	Not specified	Nil	-do-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed	Nil	-do-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	The mine was inoperational since 11.10.2012 for want of Environmental clearance. Aesthetic beauty in and around mines area was found satisfactory.

---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given	Submitted in time	Nil

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not given	No technical personnel appointed as the mine is inoperational since 11.10.2012 for want of Environmental clearance.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit area-2.605 Ha Reclaimed-0.00 Ha Waste disposal-- Ha Buildings & Roads-0.0 Ha Green Belt- 1.72 Ha	Given in Part I. Sl 12	Nil
9d	Scrutiny of Annual return on afforestation	No of trees planted during the year - 0 Total No of trees at the end of the year - 2130	Given in Part V, Sl no 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 1	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Given in Part VI, Sl 2 & Part VII	Nil
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets - Rs 40,00,000/-	Given in Part II A Capital Structure	Nil
9k	Scrutiny of Annual return on mining machineries	Nil	Given in Part V, Sl 6	Nil

---

**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