

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

**FMCP Inspection REPORT**

**Chennai regional office**

**Mine file No :** TN/PBR/LST-53.MDS

**Mine code :** 38TMN24047

- (i) Name of the Inspecting : **M017** ) **Matiul Islam**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. MR.Venkatesan (GM - Mines) & Mr. K. Shankar, QP  
Official with  
Designation
- (iv) Date of Inspection : 09/11/2023
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **ALANTHURAIYAR KATTALAI\_22**
- (b) **Registration NO.** : **IBM/170/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : PERAMBALUR
- Village : ALANTHURAIYAR KATTAL
- Taluka : ARIYALUR
- Post office : ARIYALUR
- Pin Code : 621707
- FAX No. : 04329-247726
- E-mail : mayilrajan.m@chettinadcemei
- Phone : 04329-249770
- (f) Police Station : Vikramangalam
- (g) First opening date : 29/11/2006
- (h) Weekly day of rest : SUN
2. Address for : G.M. (Mines),Alanthurayarkattalai Lst.mine  
correspondance Chettinad cement corp.pvt.Ltd.  
Keezlpalavur,Ariyalur works,Ariyalur District.
3. (a) Lease Number : TMN1049
- (b) Lease area : 22.26
- (c) Period of lease : 30
- (d) Date of Expiry : 05/12/2036
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  
 PO.No748, 603 Annasalai,  
 Chennai CHENNAI CITY  
 TAMIL NADU  
 Phone: 044 28292727  
 FAX : 044 28291558

Agent : V.KRISHNAN  
 M/s Chettinad Cement Coprn  
 (P) Ltd. 6 th Floor ,Rani  
 Seethai Hall Build Chennai  
 ARIYALUR TAMIL NADU  
 Phone:  
 FAX :

## Geologist

Name : Stalin Prakash,Full Time  
 Qualification : MSC(GEO)  
 Appointment/  
 Termination date :

## Manager

Name : E.Ganesamoorthy  
 Qualification : BE(MINING)  
 Appointment/  
 Termination date :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	17/09/2003
Plan/Scheme of Mining		Modif.of approved Mining Plan	27/12/2006
		Modif.of approved Mining Plan	09/10/2009
		Mining Scheme rule 12 MCDR1988	05/07/2011
		Mining Scheme rule 12 MCDR1988	29/01/2016
		MP review under 17(1) MCR 2016	17/11/2020

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Mine already fully explored upto G1 level.
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	-do-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	-do-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	-do-
1e	Balance reserve as on 01/04/20	826057.42 Tonnes	826057.42 Tonnes	-do-
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Mine inoperational since 18.06.2022 due to uneconomic conditions. Lessee has submitted FMCP.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N-1221125 to N-1221695 E-299175 to E-299555	Nil	Mine inoperational since 18.06.2022.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed	Separate benches maintained	-do-
2c	Stripping ratio or ore to OB ratio	1:0	Nil	-do-
2d	Quantity of topsoil generation in m3	Nil	Nil	-do-
2e	Quantity of overburden generation in m3	Nil	Nil	-do-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Mine inoperational since 18.06.2022.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit proposed	Nil	Mine inoperational since 18.06.2022.
3b	Quantity of ROM mineral production proposed	50056 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.	NA	NA	-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	No proposal	Nil	-do-

3k	Provision of mining machineries in mineral benches	Rock breaker 2 Nil 100 T/H Hydraulic excavator 0.9 m3 2 Tipper 15T 28			-do-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes		-do-
3m	Total area covered under excavation/pits	19.40 Ha	18.380 Ha		-do-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.00	Nil		-do-
3o	Total area put in use under different heads at the end of year	22.26 Ha	21.86 Ha		-do-
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 400000 2020-21: 200000 2021-22-250008 2022-23 - 150100 2023-24-50056	2019-20: 252649 2020-21: 117777 2021-22- Nil 2022-23 -Nil 2023-24-Nil		-do-
3q	General remarks of inspecting officers on method of mining etc.	-	-		Mine inoperational since 18.06.2022.

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No TS, OB or MR envisaged for the year	Nil	Mine inoperational since 18.06.2022.
4b	Location of topsoil, OB and mineral reject dumps	Top Soil Dump N-1221110 to N-1221210 E-299215 to E-288570	Top Soil Dump N-1221110 to N-1221210 E-299215 to E-288570	-do-

4c	Number of dumps within lease area and outside of lease area	Within ML : 1 Outside ML: Nil	Within ML : 1 Outside ML: Nil	-do-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	-do-
4e	Number of active and alive dumps.	Nil	Nil	-do-
4f	Number of dead dumps.	1 topsoil Dump	1 topsoil Dump	-do-
4g	Number of dumps established.	Nil	Nil	-do-
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal for the year	Previously constructed garland drain maintained	-do-
4i	Length of Retaining wall or garland drain all along dumps	No proposal for the year	170 m long garland drain maintained	-do-
4j	Number of settling ponds	Nil	Nil	-do-
4k	Specific comments of inspecting officer on waste dump management	-	-	Mine inoperational since 18.06.2022.

#### 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.	No proposal for the year	Nil	Mine inoperational since 18.06.2022.
5b	Area under backfilling of mined out area	NA	NA	-do-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	-do-

5d	Total area fully reclaimed and rehabilitated	Nil	Nil	-do-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	Mine inoperational since 18.06.2022.

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 18.06.2022.
6b	Area available for rehabilitation (ha) .	Nil	Nil	-do-
6c	afforestation done (ha).	Nil	Nil	-do-
6d	No. of saplings planted during the year	Nil	Nil	-do-
6e	Cumulative no .of plants	-	4,800 nos saplings planted since inception	-do-
6f	Any other method of rehabilitation	Nil	Nil	-do-
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	Nil	Nil	-do-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	-do-

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NA	NA	-do-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	-do-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	-do-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	-do-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	-do-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Afforestation	Afforestation	-do-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodical monitoring proposed	Periodical monitoring carried out	-do-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Mine inoperational since 18.06.2022. Lessee has submitted FMCP for the period 2024-25 to 2025-26.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting proposed	Nil	Mine inoperational since 18.06.2022.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	-do-
7c	Different grade of mineral sorted out at mines.	NA	NA	-do-
7d	Any beneficiation process at mines .	Nil	Nil	-do-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	Mine inoperational since 18.06.2022.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal for the year	Nil	Mine inoperational since 18.06.2022.
8b	Concurrent use or storage of topsoil	NA	NA	-do-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No OB/Waste/Rejects/Fines proposed for the year	Nil	-do-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	-do-

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	-do-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	4,800 nos saplings planted since afforestation	-do-
8g	Survival rate	Not specified	70%	-do-
8h	Water sprinkling on roads to control airborne dust	Proposed	Nil	-do-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	Mine inoperational since 18.06.2022.

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given	Submitted in time	Mine inoperational since 18.06.2022.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	Given in Part I, Sl 7-9	-do-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit area-18.38 Ha Reclaimed-0 Ha Waste disposal-0 Ha Buildings & Roads-0.10 Ha Green Belt-3.38 Ha	Given in Part I, Sl 12	-do-

9d	Scrutiny of Annual return on afforestation	Nil	Given in Part V, Sl 5	-do-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Given in Part V, Sl 3	-do-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Given in Part VI, Sl 2 & 3	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Given in Part VI, Sl 3 & Part VII	-do-
9h	Scrutiny of Annual return on fixed assets	GFA Rs 25,00,000/-	Given in Part II A	-do-
9k	Scrutiny of Annual return on mining machineries	Nil	Given in Part V, Sl 6	-do-

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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 :

(Matiul Islam)

Indian Bureau of Mines