

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

**FMCP Inspection REPORT**

**Chennai regional office**

**Mine file No :** TN/PBR/LST-47.MDS

**Mine code :** 38TMN24046

- (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 : 08/11/2023
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **UNJINI\_20.965HA**
- (b) **Registration NO.** : **IBM/4681/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : TAMIL NADU  
District : PERAMBALUR  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. : NIL  
E-mail : arymines@chettinadcement.co  
Phone : 04329250011
- (f) Police Station : Sendurai
- (g) First opening date : 20/09/2005
- (h) Weekly day of rest : SUN
2. Address for : Shri. G. Raghunath Singh, Vice President  
correspondance Ariyalur Road, Trichy, Kilapaluvur.  
621707, Tamil nadu
3. (a) Lease Number : TMN0985
- (b) Lease area : 20.97
- (c) Period of lease : 20
- (d) Date of Expiry : 19/09/2025
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 : Mr. T. Venkatesan, Nominated Owner  
 Dalmia Cement (Bharat)  
 Limited Fagun Mansion, 4th  
 floor, 26 C in C Road,  
 Chennai CHENNAI CITY TAMIL  
 NADU  
 Phone: 044 - 28279933  
 FAX : 044 - 28276508

Agent : R. A. KRISHNAKUMAR  
 Executive Director Dalmia  
 cements(B) Ltd.,  
 Dalmiapuram TIRUCHIRAPALLI  
 TAMIL NADU  
 Phone: 04329-294632  
 FAX : 04329-235111

## Mining Engineer

Name : GANESHA BOOPATHY.P,Full Time  
 Qualification : DME, MINING,  
 Appointment/ : 02/07/2012  
 Termination date

## Geologist

Name : N BALAKANAN,Full Time  
 Qualification : M.SE GEOLOGY  
 Appointment/ : 16/10/2013  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	12/01/2004
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	05/06/2009
	:	Mining Scheme rule 12 MCDR1988	05/07/2011
	:	Mining Scheme rule 12 MCDR1988	24/02/2016
	:	MP review under 17(1) MCR 2016	13/11/2020

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Lease 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	87,000.00 T	87,000.00 T	-do-
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The mine has been inoperational since 18.06.2022. Lease has been fully explored upto G1 level.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N-1241515 to N-1242120 E-302380 to E-302870	Nil	Mine inoperational since 18.06.2022.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Nil	-do-
2c	Stripping ratio or ore to OB ratio	1:0	Nil	Nil
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
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 has been 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	5292 Ts	Nil	-do-
3c	Recovery of sailable/usable mineral from ROM production	100%	Nil	Nil
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	Nil
3f	Quantity of sub grade mineral generation.	NA	NA	Nil
3g	Grade of sub grade mineral generation	NA	NA	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	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	Nil	Nil	Nil

3k	Provision of mining machineries in mineral benches	Rock breaker - 1 Hydraulic excavator 0.9 m3 2 Tipper 15T 17	Nil	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Nil
3m	Total area covered under excavation/pits	12.365 Ha	10.290 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0	Nil	Nil
3o	Total area put in use under different heads at the end of year	20.96.5Ha	20.876 Ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2019-20-172418 2020-21-128848 2021-22- 50094 2022-23- 10143 2023-24- 5292	2019-20-189629.9 2020-21- Nil 2021-22- Nil 2022-23- Nil 2023-24- Nil	Mining discontinued due to uneconomical operation.
3q	General remarks of inspecting officers on method of mining etc.	-	-	Lessee has submitted FMCP and discontinued mining.

#### 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 Rejects proposed for the year	Nil	Mining discontinued since 18.06.2022
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	Nil

4c	Number of dumps within lease area and outside of lease area	Within ML : 3 Outside ML: Nil	Within ML : 3 Outside ML: Nil	1 Topsoil dump and 2 waste dump.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of active and alive dumps.	Nil	Nil	Nil
4f	Number of dead dumps.	3	3	Nil
4g	Number of dumps established.	Nil	Nil	Stabilisation proposed during FMCP Period.
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain proposed	Garland drain maintained	Nil
4i	Length of Retaining wall or garland drain all along dumps	Not specified	170 m garland drain maintained	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	-	-	Mine discontinued 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	Nil
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	Nil

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

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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).	-	Submitted with AR	Mine discontinued 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	-	8,100 nos planed cumulatively	-do-
6f	Any other method of rehabilitation	Nil	Nil	-do-
6g	Cost incurred on watch and care during the year	Not specified	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	Nil

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NA	NA	Nil
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	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)	Periodic monitoring proposed	Periodic monitoring carried out	Environment Monitoring Quarterly done by SMS lab, Chennai
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	The mine was inoperational during the year and no PMCP operations were carried out. Lessee has submitted FMCP.

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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	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	-	-	Mine discontinued since 18.06.2022

#### Environment:

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

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	8,100 nos saplings planted cumulatively	Nil
8g	Survival rate	Not specified	Nil	Mine inoperational since 18.06.2022
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	-do-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	The mine has been inoperational since 18.06.2022 and the lessee has submitted an FMCP.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given	Submitted	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	Nil	Mine inoperational since 18.06.2022

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit area-10.29 Ha Reclaimed-4.46 Ha Waste disposal-3.77 Ha Buildings & Roads-0.0 Ha Green Belt-2.36 Ha	Given in Part I, Sl 12	-do-
9d	Scrutiny of Annual return on afforestation	Nil	Nil	-do-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	-do-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	-do-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil	-do-
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	-do-
9k	Scrutiny of Annual return on mining machineries	Nil	Nil	-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