

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

**MCDR inspection REPORT**

**Chennai regional office**

**Mine file No :** TN/DAN/LST-29/MDS

**Mine code :** 38TMN33014

- (i) Name of the Inspecting : **043** ) **T.PHALTHURAJHEN**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri. mayilrajan. General Manager (Mines)  
Official with  
Designation
- (iv) Date of Inspection : 29/11/2022
- (v) Prev.inspection date : 09/09/2021

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **ALAMBADI(2.415HA)KARIKALI**
- (b) **Registration NO.** : **IBM/170/2011**
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : DINDIGUL
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** : KARIKALI
- (g) **First opening date** : 27/03/2003
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : ALAMBADI VILL  
PALAYAM(VIA)-624620  
DINDIGUL DIST
3. (a) **Lease Number** : TMN0851
- (b) **Lease area** : 2.42
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 27/01/2053
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 : SP.ST.PALANIAPPAN , MD  
 RANISEETHAI HALL ANNASALAI  
 CHENNAI CITY TAMIL NADU  
 Phone: 044- 28292727  
 FAX : 04428291558

Agent : G.Raghunathsingh  
 DINDIGUL TAMIL NADU  
 Phone:  
 FAX :

## Mining Engineer

Name : M.Mayilrajan,Full Time  
 Qualification : B.E Mining  
 Appointment/ : 17/08/2016  
 Termination date

## Geologist

Name : M.L.BALASHANMUGAM,Full Time  
 Qualification : MSC(GEOLOGY)  
 Appointment/ : 17/08/2016  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	21/08/1990
Plan/Scheme of Mining		Existing rule 11 MCDR1988	25/04/2006
		Modif.approved Mining Scheme	03/06/2010
		Modif.approved Mining Scheme	03/06/2010
		Mining Scheme rule 12 MCDR1988	15/05/2014
		MP review under 17(1) MCR 2016	14/11/2018

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	The area is fully explored.
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	The area is fully explored under G1category.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	Holtech Consulting private limited conducting Total No. of .2 bore holes with 203 mtrs. depth during the year 2015-2016.
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	2.33 LAKHS TONS (111)	2.33 LAKHS TONS (111)	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	NIL	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NO. of benches in ore -1 bench	NO. of benches in ore -1 bench	Followed as per review of mining plan.
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0.00	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	-	-	NIL
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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	FOLLOWED AS PLAN.
3b	Quantity of ROM mineral production proposed	4997 Ts	5000Ts	within limit
3c	Recovery of sailable/usable mineral from ROM production	-	-	-
3d	Quantity of mineral reject generation	NIL	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	-	-	-
3h	Manual / Mechanised method adopted for segregating from ROM	mechanised	mechanised	As per plan
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	YES	YES	NIL

3k	Provision of mining machineries in mineral benches	YES	YES	as per plan.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height -9 mtr, Width -9 mtr.		Followed as per plan.
3m	Total area covered under excavation/pits	1.50.0 ha.	1.50.0 ha.	nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.00	1:0.00	NIL.
3o	Total area put in use under different heads at the end of year	2.41.5 ha	2.41.5 ha	NIL
3p	Production of ROM mineral during the last five year period as applicable	2016-17=5000 Ts,2017-18=5000Ts, 2018-19=5000Ts,2019-20=4998 Ts,2020-21=4976 ts, 2021-22=4997 Ts	2016-17=5000 Ts,2017-18=5082 Ts, 2018-19=5013 Ts,2019-20=5000Ts,2020-21==4950 Ts, 2021-22=5000 Ts.	within limit.
3q	General remarks of inspecting officers on method of mining etc.	-	-	satisfactory.

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NIL	NIL	NIL
4b	Location of topsoil, OB and mineral reject dumps	NIL	NIL	NIL

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)	NIL	NIL	NIL
4e	Number of active and alive dumps.	NIL	NIL	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	NIL
4j	Number of settling ponds	NIL	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	-	-	NIL

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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.	NO backfilling proposed.	not applicable	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

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5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	NIL
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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).	YES.	SUBMITTED ON 08.06.2022	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	NIL	NIL	No proposal during the year 2021-22 however we planted 30 tress @ 0.20 ha..
6d	No. of saplings planted during the year	NIL	30	NIL
6e	Cumulative no .of plants	-	420	NIL
6f	Any other method of rehabilitation	NA	NA	NIL
6g	Cost incurred on watch and care during the year	NIL	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 on backfilled area	NA	NA	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA	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)	PROPOSED	done as proposal	periodically monitored.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	NA	NIL

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Mineral Conservation:

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

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**Environment :**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	No Top Soil Available
8b	Concurrent use or storage of topsoil	NA	NA	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	NIL	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	NIL

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	30 Nos.	NIL
8g	Survival rate	-	67%	NIL
8h	Water sprinkling on roads to control airborne dust	YES	Water sprinkling is done	As per plan.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	NIL

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR submitted upto date 09.11.2022, AR submitted upto date 18.06.2022.		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mr.mayilrajan General maneger (mines), Mr.stalin prakash - Geologist, mr.T.Eniyan - Mining Engineer	Mr.mayilrajan General maneger (mines), Mr.stalin prakash - Geologist, mr.T.Eniyan - Mining Engineer	NIL

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits 1.5 ha , Area under plan building, roads and green belt-0.915 ha	Area under pits 1.5 ha , Area under plan building, roads and green belt-0.915 ha	Office staffs maintaining Saplings.
9d	Scrutiny of Annual return on afforestation	30 Nos.	30 Nos.	nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	NIL
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	RS.275.73 /	RS.275.73 /	NIL
9h	Scrutiny of Annual return on fixed assets	RS.10,29,312/	RS.10,29,312/	NIL
9k	Scrutiny of Annual return on mining machineries	Shovel-1, Tipper-1	Shovel-1, Tipper-1	NIL

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

**Date :**

(T.PHALTHURAJHEN)

Indian Bureau of Mines