

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/ANNA/LST-3.MDS

Mine code : 38TMN06011

- (i) Name of the Inspecting : 043) T.PHALTHURAJHEN
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Mr.M.Mayilrajan. General Manager (Mines)
Official with
Designation
- (iv) Date of Inspection : 30/11/2022
- (v) Prev.inspection date : 05/11/2020

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : DHOLIPPATTI
- (b) **Registration NO.** : IBM/170/2011
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : DINDIGUL
- Village : DHOLIPPATTI
- Taluka : VEDASANDUR
- Post office : KARIKATTI
- Pin Code : 624723
- FAX No. : 04551 - 270666
- E-mail : info@chettinadmail.Com
- Phone : 04551 - 270720
- (f) **Police Station** : Guziliamparai
- (g) **First opening date** : 29/01/1990
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : DOLIPATTI LIMESTONE MINE
GUZILIAMPARAI TALUK
DINDIGUL DISTRICT
3. (a) **Lease Number** : TMN1067
- (b) **Lease area** : 138.79
- (c) **Period of lease** :
- (d) **Date of Expiry** : 09/04/2018
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.Murhukrishnan
 Rani Seethai Hall ,Anna
 Salai, Chennai CHENNAI
 CITY TAMIL NADU
 Phone: 914442149955,42
 FAX : 914428291558

Agent : V. KRISHNAN
 Chettinad Cement Corp Pvt
 Ltd Ariyalur Works,
 Keelapalur Post Ariyalur
 Taluk & Distt ARIYALUR
 TAMIL NADU
 Phone: 9788858216
 FAX :

Mining Engineer

Name : T. Balagokul, Full Time
 Qualification : B.E., (Mining Engineering)
 Appointment/ : 15/07/2021
 Termination date

Geologist

Name : N. Kirubanithi, Full Time
 Qualification : M.Sc., (Geo)
 Appointment/ : 03/07/2020
 Termination date

Manager

Name : R.Ravi Kumar
 Qualification :
 Appointment/ : 01/08/2008
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	14/07/1988
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	25/09/2000
	:	Mining Scheme rule 12 MCDR1988	03/08/2006
	:	Renewal under rule 24 MCR1960	11/03/2008
	:	Mining Scheme rule 12 MCDR1988	15/05/2014
	:	MP modif under 17(3) MCR 2016	16/07/2018
	:	MP review under 17(1) MCR 2016	14/11/2018
	:	MP modif under 17(3) MCR 2016	03/08/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	Exploration proposal for the year 2022-2023.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	-	Nil
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	-	10.65 million Tonnes	10.65 million Tonnes
1f	General remarks of inspecting officers on geology, exploration etc	-	-	satisfactory.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Mettukulathur N 1187135 to1187660 , E184490 to184895 palayam 1 , N 1185800 to 1186170 , E 184560 to 184860.	Mettukulathur N 1187135 to1187660 , E184490 to184895 palayam 1 , N 1185800 to 1186170 , E 184560 to 184860.	As per approved ROMP.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No.of benches in OB-3 Benches , Ore-2 benches	No.of benches in OB-3 Benches , Ore-2 benches	As per approved ROMP.
2d	Quantity of topsoil generation in m3	1:1.19	1:0.98	NIL.
2e	Quantity of overburden generation in m3			

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	SATISFACTORY
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits	Two pits	-
3b	Quantity of ROM mineral production proposed	600157 Ts.	572306.75 Ts	-
3c	Recovery of sailable/usable mineral from ROM production	80%	80%	Nil
3d	Quantity of mineral reject generation	150039Ts.	24762 Ts	-
3e	Grade of mineral rejects generation and threshold value declared.	Cao34 ,silica- more thane25 %	Cao36.75 %	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.	NA	NA	NIL
3j	Provision of drilling and blasting in mineral benches	YES	YES	AS PER PLAN

3k	Provision of mining machineries in mineral benches	proposed	provided	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height-10 mts, Width-10 mts.	Height-10 mts, Width-10 mts.	NIL
3m	Total area covered under excavation/pits	45.81 HA,	45.81 HA,	NIL.
3n	Ore to OB ratio for the pit/mine during the year.	1:1.19	1:098	Nil
3o	Total area put in use under different heads at the end of year	74.30 ha	Area of Excavation-49.57, Overburden / Dump-20.39, Roads-3.28, green belt & safety zone-10.00, Total area utilized-55.045, Total Area of mining lease-138.785 ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2017-18=1400000 Ts, 2018-19=1365728 Ts, 2019-20=601654 Ts, 2020-21=443378 Ts, 2021-22=600157 Ts.	2017-18=278723 Ts, 2018-19=414046 Ts, 2019-20=565453 Ts, 2020-21=443378 Ts, 2021-22=572306 Ts	Nil
3q	General remarks of inspecting officers on method of mining etc.	-	-	NIL

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	proposed	carried as per the approved ROMP.	NIL

4b	Location of topsoil, OB and mineral reject dumps	MTK OB-N 1187275 TO N1187500, N-1187580 TO N 1187725., E 184965 TO 185140. , E 184570 TO 184710 Palayam 1 OB N 1185110 TO 1185245 , E 183355 TO 183565 palayam 1 MR , N 1186410 TO 1186535.	MTK OB-N 1187275 TO N1187500, N-1187580 TO N 1187725., E 184965 TO 185140. , E 184570 TO 184710 Palayam 1 OB N 1185110 TO 1185245 , E 183355 TO 183565 palayam 1 MR , N 1186410 TO 1186535.	NIL
4c	Number of dumps within lease area and outside of lease area	Within ML:3, OutsideML:NIL	within ML:3 Outside ML:NIL	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	MTK OB N 1187275 TO N 1187500, N 1187580 TO N 1187725, E 184965 TO 185140, E 184570 TO 184710 Palayam 1 OB, N 1185110 TO 1185245, E 183355 TO 183565 Palayam1 MR, N 1186410 TO 1186535, E 184685 TO184866.	MTK OB N 1187275 TO N 1187500, N 1187580 TO N 1187725, E 184965 TO 185140, E 184570 TO 184710 Palayam 1 OB, N 1185110 TO 1185245, E 183355 TO 183565 Palayam1 MR, N 1186410 TO 1186535, E 184685 TO184866.	NIL
4e	Number of active and alive dumps.	Active-3, Active-2	Active-3, Active-2	nil
4f	Number of dead dumps.	4	4	NIL
4g	Number of dumps established.	4	4	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	provided	Nil
4i	Length of Retaining wall or garland drain all along dumps	garland drain- 1300x1.0x1.0 m	garland drain- 1300x1.0x1.0 m	nil
4j	Number of settling ponds	1	1	-

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.	NIL	NIL	Mineral not extracted completely.
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	NA	NA	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	NO Comment.

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) .	2.0 HA	2.5 HA	NOcomments.

6d	No. of saplings planted during the year			
6e	Cumulative no .of plants	-	16070 saplings.	nil
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	Rs 75,000/	Rs 120000/	nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	NIL	NIL	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)	periodically monitored	periodically monitored	nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	NOcomments

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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.	NIL	NIL	NIL
7d	Any beneficiation process at mines	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	NIL

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	NIL
8b	Concurrent use or storage of topsoil	NIL	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	PROPOSD	carriedas per the approval ROMP.	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)	NIL	NIL	NIL
8g	Survival rate	78%	78%	NIL
8h	Water sprinkling on roads to control airborne dust	-	water sprinkling on haul roads., proposed complied.	nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	nil

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	monthly returns- 05.11.2022, Annuals- 09/06/2022.	monthly returns- 05.11.2022, Annuals- 09/06/2022.	nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	-	Manofer, Shri.MM.RAMESH, Assistant manager (mines) , chettinad cements corporn.(pvt) ltd. Karikali(po), Guziliamparai (TK), Dindugal-624703, phone- 9788858245. Email;ramesh.mm@chettinadcement.com mining Engineer : shri.r.Thamarai Kannan.chettinad cements corpon.(pvt) ltd Dindugal phone- 8248768326.geologist, shri.N.Kirubanithi - geologist, chettinad cement corpo. (pvt) Karaikali (po), Guziliampari (TK) Dindugal-624703. phone- 9788858243.	nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	-	pit area-45.81 ha, waste disposal-14.357 ha, Building& roads-3.786 haGreen Belt-9.0 ha	
9d	Scrutiny of Annual return on afforestation	2000 Saplings	3200 saplings	nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	-	Mineral reject-24762 Tonnes, Cao-36.75 %	nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	-	Ex-mine price &production cost-320.83	nil
9h	Scrutiny of Annual return on fixed assets	-	GFA-RS.69665178/	-

9k	Scrutiny of Annual return on mining machineries	-	Hydraulic Excavator- hitachi-1.4 CUM- 2hitachi-1.4 CUM-2, (iii) HYDRALIC EXCAVATOR BREAKER -1.2 CUM-2, FRONT END LODER-1.2 GUM- 1, Tipper 25 Tonnes-06 nos, Rock drill (Non electric)-115.0MM-1, WATER TANKER -8000 LIT.- 01, PUMBS (ELECTRICT)-- 1500 L/MN-02	NIL
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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
MCDR17	Rule 31(4)	14/12/2022			

Date :**(T.PHALTHURAJHEN)**

Indian Bureau of Mines