

**MCDR INSPECTION REPORT  
DHOLIPATTI LIMESTONE MINES**

	Name of the inspecting officer designation	<b>Shri.Arun Vivek V</b> Junior Mining Geologist
	Date of inspection:	<b>25.09.2024</b>
	Accompanied mine official and designation	Mr.MM.Ramesh, DGM (Mines) Mr.R.Thamarai Kannan Manager (Mines)
<b>S.N.</b>	<b>Particulars</b>	
1	Name of the Mine	Dholipatti Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	138.78.5 Ha(No Forest Land)
3	Mine code	<b>38TMN06011</b>
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/170/2011
5	Name of the lessee, Address, phone, email and fax number	Chettinad Cement Corporation Private Limited, Corporate office, Sigapi Achi Building, 18/3, Rukmani Lakshmi pathy Road, Egmore, Chennai- 600 008. Phone – 044-28292727,42149955 Fax: 044 28291558.
6	Villages	Palayam, Karikkali & Dholipatti
7	Taluka/Mandal	Guziliamparai
8	District	Dindigul
9	Pin code	624703
10	State	Tamilnadu
11	Post office	Karikkali
12	Nearest police station	Guziliamparai
13	Nearest Railway station	Palayam
14	Date of Grant of Mining Lease	09.01.1989
15	Date of Execution	06.02.1989
16	Date of opening of Mine	06.02.1989
17	Date of first Renewal, if applicable and its period & expiry	G.O.(Ms) No 39 Industries (MMA.1) dept Dated 04.08.2018 & Expiry -28.02.2039.
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Supplementary lease deed is pending with State Government.
20	Name of the Nominated Owner with Address, phone, email, fax number and Date of appointment	Shri.Mohan Muthukaruppan Corporate office, Sigapi Achi Building, 18/3, Rukmani Lakshmi pathy Road, Egmore, Chennai- 600 008. Mobile No – 9941854000 Date of Appointment – 01.04.2022.
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri.V.Krishnan Agent (Mines) / Joint President (Works) Chettinad Cement Corpn Private Ltd Karikkali (P.O),Guziliamparai(Tk.), Dindigul(Dist.)-624703, Phone-9788858216

		Email-krishnan.v@chettinadcement.com Date of Appointment - 06.10.2020.
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri.R. Thamarai Kannan. Manager-Mines Chettinad Cement Corpn. Private Ltd Guziliamparai (Tk.), Dindigul – 624703, Phone-8248768326 Email-11313@chettinadcement.com Date of Appointment -17.11.2023.
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri.R. Thamarai Kannan. Mining Engineer Chettinad Cement Corpn. Private Ltd Guziliamparai (Tk.), Dindigul – 624703, Phone-8248768326 Email-11313@chettinadcement.com Date of Appointment -02.08.2021
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri. N.Kirubanithi, Geologist Chettinad Cement Corpn. Private Ltd Karikkali,(P.O) Guziliamparai (Tk.), Dindigul – 624703,Phone-9788858243 Email-11311@ chettinadcement.com Date of Appointment -03.07.2020
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan: TN/DGL/MP/LST-1682-SZ Dated 11.03.2008.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Modified of Approved Review of Mining Plan: TN/DGL/MMP/LST-2081.MDS Dated: 03.08.2021. (Period :2021-22 to 2023-24)  New ROMP : TN/DGL/LST/ROMP-1731.MDS, Dated:22.12.2023 (Period :2024-25 to 2028-29)
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/Non Captive	Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining.  
(Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

## II - OBSERVATION AND COMMAND OF INSPECTING OFFICER

### Exploration

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2024-25 BH Nos-19 Nos	2024-25 BH Nos-23 Nos	
1b	Exploration over lease area for Geological axis 1 or 2.	G1	G1	Entire area explored under G1 Category.
1c	Exploration Agency & Expenditure in	Rs.2926000/-	Rs.2974400 /-	

	lakh Rupees during the year			
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Nil
1e	Balance reserves as on 01.04.2024 (111+121 Category)	09.78 Million Tons	09.78 Million Tons	Nil
1f	General comments of inspecting officer on geology, exploration etc.	Nil	Nil	Nil

## Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area( <b>Ref With Grid</b> )	Mettukulathur N1187100 to N 1187270 E 184240 to E 184485 Kolanchiwadi N1186830 to N 1187060 E 184505 to E 184800 Palayam 1 N1185835 to N1186130 E 184530 to 184960	Mettukulathur N1187100 to N1187270 E 184240 to E 184485 Kolanchiwadi N1186854 to N1186903 E 184705 to E184718 Palayam 1 N1185835 to N1186130 E 184530 to 184960	As per Approved ROMP
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Mettukulathur pit No.of Benches in OB - 2 ,Ore – 1 Kolanchiwadi pit No.of Benches in OB - 2 ,Ore – 1 Palayam 1 Pit No.of Benches in OB - 3 ,Ore – 2	Mettukulathur pit No.of Benches in OB - 2 ,Ore – 1 Kolanchiwadi pit No.of Benches in OB - 2 ,Ore – 1 Palayam 1 Pit No.of Benches in OB - 3 ,Ore – 2	As per Approved ROMP
2c	Stripping ratio or ore to OB ratio	1:1.75	<b>1:1.05</b>	<b>Violation letter issued</b>
2d	Quantity of topsoil generation in Tonnes	Nil	Nil	No topsoil is likely to be generated during the period as topsoil already removed and used for Afforestation purpose and prepared bund along mine.
2e	Quantity of overburden generation in M <sup>3</sup>	646077 M <sup>3</sup>	<b>265894 M<sup>3</sup></b>	<b>Violation letter issued</b>
2f	General remarks of inspecting officer on development of pit	Nil	Nil	Nil

	w.r.t. type of deposit etc.			
--	-----------------------------	--	--	--

## Exploitation

S.N.	Item	Proposals			Actual work			Remarks
3a	Number of pits proposed for production	3			3			Nil
3b	Quantity of ROM mineral production proposed	1399992 Ts			<b>656744.98 Ts</b>			<b>Violation letter issued</b>
3c	Recovery of salable/usable mineral from ROM production	1119994 Ts			597637.93 Ts			-
3d	Quantity of mineral reject generation	279998 Ts			<b>59107.05 Ts</b>			<b>Violation letter issued</b>
3e	Grade of mineral reject generation and threshold value declared	Cao 34 to 39			Cao 34 to 39			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 & carried out for sub-grade mineral and reject	NA			NA			-
3j	Provision of drilling & blasting in mineral benches	Drilling- drill dia -115mm Blasting- Slurry cartridge & Nonel detonator.			Burden 2.5m & Spacing 3m Subgrade drilling 0.5m			As per plan
3k	Provision of mining machineries in mineral benches	Type of Machinery	Capacity of each unit	No.of Units	Type of Machinery	Capacity of each unit	No.of Units	-

		Hydraulic Excavator-Hitachi	2.1CUM	3	Hydraulic Excavator-Hitachi	1.4CUM	3	
		Hydraulic Excavator-Breaker)	1.2CUM	2	Hydraulic Excavator-Breaker)	1.2CUM	1	
		Dozer	D 10	2	Front End Loader	1.2 CUM	1	
		Tipper	10 CUM	16	Tipper	10 CUM	10	
		Air Compressor	450 cfm, 150 psi	4	Air Compressor	12.74CUM /MN	1	
		Rock Drill (Non Electric)	115.0MM	4	Rock Drill (Non Electric)	115.0MM	1	
		Water Tanker	8000 Litre	1	Water Tanker	8000 Litre	1	
		Pumbs (Elec)	40hp/25hp	2	Pumbs (Elec)	1500 L/MN	2	
		Explosive Van	10 Tonnes	1	Explosive Van	10 Tonnes	1	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		Height-10M Width-10M			Height-10M Width-10 M		Nil
3m	Total area covered under excavation/pits		46.55 Ha			46.55Ha		Nil
3n	Ore to OB ratio for the pit/mine during the year		1:1.75			<b>1:1.05</b>		<b>Violation letter issued</b>
3o	Total area put in use under different heads at the end of year		81.02 Ha			77.752 Ha		Nil
3p	Production of ROM mineral during last five-year period, as applicable		2019-20-601654 Ts 2020-21-443378 Ts 2021-22-600157 Ts 2022-23- 604410 Ts 2023-24- 1399992 Ts			2019-20-565453 Ts 2020-21-443378 Ts 2021-22-572306.75 Ts 2022-23-603994.95 Ts 2023-24-656744.98 Ts		Nil
3q	General Remarks of inspecting officer on method of mining etc.		Nil			Nil		Nil

### Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil,	Proposed	Carried as per the	Nil

	OB & mineral reject (Rule 32, 33)		approved ROMP	
4b	Location of topsoil, OB & mineral reject dumps( <b>Ref to Grids</b> )	MTK OB - Dump NO 7 N1187145 to N1187515 E 184885 to E 185140 Dump No 8 N 1187580 to N 1187725 E 184570 to E184710 Dump No 4&6 N1187015 to N1187335 E 184455 to E184835 PalayamII OB Dump No 09 N 1185110 to N1185245 E 183355 to E183565 PalayamI MR N 1186410 to N1186535 E 184685 to E184866	MTK OB - Dump NO 7 N1187145 to N1187328 E 184885 to E 185036  Dump No 8 N 1187580 to N 1187705 E 184627 to E184710  Dump No 4&6 N1187015 to N 1187157 E 184455 to E 184580	Nil
4c	Number of dumps within lease area and outside lease area	Within ML : 4 Outside ML: Nil	Within ML : 3 Outside ML: Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	MTK OB - Dump NO 7 N1187145 to N1187515 E 184885 to E 185140 Dump No 8 N 1187580 to N 1187725 E 184570 to E184710 Dump No 4&6 N1187015 to N1187335 E 184455 to E184835 PalayamII OB Dump No 09 N 1185110 to N1185245 E 183355 to E183565 PalayamI MR N 1186410 to N1186535 E 184685 to E184866	MTK OB - Dump NO 7 N1187145 to N1187328 E 184885 to E 185036  Dump No 8 N 1187580 to N 1187705 E 184627 to E184710  Dump No 4&6 N1187015 to N 1187157 E 184455 to E 184580	Nil
4e	Number of active & alive dumps	Active -4	Active -3	Nil
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps stabilized	Nil	Nil	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 dump	Maintenance	Maintenance	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Nil	Nil	Nil

## Solid Waste Management – Backfilling

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on 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 mined out area (Rule 32)	Nil	Nil	Nil
5d	Total area fully reclaimed & rehabilitated	NA	NA	Nil
5e	General Remarks of inspecting officer on backfilling, reclamation etc	Nil	Nil	Nil

## Progressive Mine Closure Plan

S.N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly –Rule 23E(2)	YES	Submitted on 14.06.2024	Nil
6b	i) Area available for rehabilitation (ha)	Nil	Nil	Nil
6c	<b>Afforestation done (ha)</b>	2.0 Ha	2.0 Ha	Nil
6d	<b>No. of saplings planted during the year</b>	2000	2100	Nil
6e	<b>Cumulative no. of plants</b>		20270	Nil
6f	<b>Any other specific method of rehabilitation</b>	Nil	Nil	Nil
6g	<b>Cost incurred on watch &amp; care during the year</b>	Rs.75000	Rs.80000	Nil
6i	Compliance on reclamation and rehabilitation by backfilling <b>(ii)Void filled by waste/tailings</b>	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling <b>(iii)Afforestation on the backfilled area</b>	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling <b>(iv) Rehabilitation by making water reservoir</b>	Nil	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling <b>(v) Any other specific means</b>	Nil	Nil	Nil
6m	Compliance of Rehabilitation of waste land within lease	Nil	Nil	Nil

	<b>i) Afforestation</b>			
6n	Compliance of Rehabilitation of waste land within lease	Nil	Nil	Nil
	<b>ii) Area rehabilitated (ha)</b>			
6o	Compliance of Rehabilitation of waste land within lease	Nil	Nil	Nil
	<b>iii) Method of rehabilitation</b>			
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Periodically Monitored	Periodically Monitored	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Nil	Nil	Nil

## Mineral Conservation

S.N.	Item	Proposals	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 & beneficiation issues	Nil	Nil	Nil

## Environment(2023-24)

S.N.	Item	Proposals	Actual work	Remarks
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)	Proposed	Carried as per the approved 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 & additional plantation done (Rule 41)	Nil	Nil	Nil
8g	Survival rate	80%	80%	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	Nil

### Compliance of Rule 45 (2023-24)

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Returns- 06.09.2024 Annual Returns- 14.06.2024		Nil
S.N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	<p><b>Manager</b> Shri.R. Thamarai Kannan. Manager-Mines Chettinad Cement Corpn. Private Ltd Guziliamparai (Tk.), Dindigul-624703, Phone-8248768326 Email-11313@chettinadcement.com Date of Appointment -17.11.2023.</p> <p><b>Mining Engineer</b> Shri.R. Thamarai Kannan. Mining Engineer Chettinad Cement Corpn. Private Ltd Guziliamparai (Tk.), Dindigul – 624703, Phone-8248768326 <a href="mailto:11313@chettinadcement.com">Email-11313@chettinadcement.com</a> Date of Appointment -02.08.2021</p> <p><b>Geologist</b> Shri. N.Kirubanithi, Geologist Chettinad Cement Corpn. Private Ltd Karikkali,(P.O) Guziliamparai (Tk.), Dindigul – 624703,Phone- 9788858243 Email-11311@ chettinadcement.com Date of Appointment -03.07.2020</p>		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit Area- 46.55 Ha Waste disposal-17.416 Ha Buildings & Roads- 3.786Ha Other purpose(Green Belt)-10.0 Ha	Nil	Nil

9d	Scrutiny of Annual return on afforestation	Afforestation- 2100 trees			Nil	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Reject-59107.05 Tonnes Cao-37			Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil			Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-Mine Price & Production cost-351.16			Nil	Nil
9h	Scrutiny of Annual return on fixed assets	GFA- Rs.56428795/-			Nil	Nil
9i	Scrutiny of Annual return on mining machineries <b>Name of the Machinery Capacity</b>	Type of Machinery	Capacity of each unit	No.of Units		
		(ii)Hydraulic Excavator-Hitachi	1.4CUM	3		
		(i) Hydraulic Excavator-Breaker)	1.2CUM	1		
		Front End Loader	1.2 CUM	1		
		Tipper	10 CUM	10		
		Air Compressor	12.74CUM/MN	1		
		Rock Drill (Non Electric)	115.0MM	1		
		Water Tanker	8000 Litre	1		
		Pumbs (Elec)	1500 L/MN	2		
		Explosive Van	10 Tonnes	1		

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

Violation observed			Show cause position		
Rule	Issued on	Compliance on	Rule	Issued on	Compliance on
11(1)	09/10/2024				
<p><b>Arun Vivek V</b>  <b>Junior Mining Geologist</b>  <b>IBM Chennai</b></p> <p>24/12/2024</p> <p>(Name of inspecting officer with designation and date)</p>					