

MCDR INSPECTION REPORT (2023-24)

	Name of the inspecting officer designation	Shri.Arun Vivek.V, Junior Mining Geologist, IBM, Chennai,
	Date of inspection	27.09.2024
	Name of accompanying mine officials with designation	Mr.M.M.Ramesh, DGM (Mines) Mr.V.Sasikumar, Sr.Manager (Geology) Mr.M.Stalin Prakash, Geologist Mr.G.Balamurugan, Mining Engineer
S. No.	Particulars	Details
1	Name of the Mine	Seethainagar Limestone Mine G.O(Ms) No:81 Ind (MMA2)Dept.dt: 13.08.2003
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	251.59.0 Hect. (Non Forest area)
3	Minecode	38TMN17001
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 Corpn. Private Ltd., Meyyammai Building ,17/35, Gandhi Nagar, 2 nd Main Road, Adyar,Chennai - 600 020.
6	Villages	Alambadi, Mallapuram & Karikkali
7	Taluka/Mandal	Guziliamparai
8	District	Dindigul
9	Pincode	624703
10	State	Tamilnadu
11	Post office	Alambadi
12	Nearest police station	Guziliamparai
13	Nearest Railway station	Palayam
14	Date of Grant of Mining Lease	13.08.2003 (3 rd renewal)
15	Date of Execution	22.12.2003
16	Date of opening of Mine	01/11/1967
17	Date of first Renewal, if applicable and its period & expiry	The lease was first renewed 6 years from 07.09.1985 to 06.09.1991 vide G.O. (MS) No. 636 IND dated 17.07.1985
18	Date of second Renewal, if applicable and its period & expiry	2 nd renewal of the lease was granted for 10 years from 07.09.1991to 06.09.2001vide G.O. (MS) No. 477 IND. dated 25.11.1991. 3 rd renewal of the lease was granted for 20 years from 07.09.2001 to 06.09.2021vide G.O. (MS) No. 81(MMA2)Dept. dated 13.08.2003.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	As per Section 8 (A) of MMDR Amendment Act 2015, we are submitted application for extension of Mining lease on 02.08.2017. Supplementary lease deed is pending with State Government. As per MMDR Amendment Act 2015, the validity of lease period is upto 31.03.2030 .

20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri.Mohan Muthukaruppan Chettinad Cement Corpn. Private Ltd., Meyyammai Building ,17/35, Gandhi Nagar, 2 nd Main Road, Adyar, Chennai - 600 020. Phone – 044-28292727,42149955 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-Unit Head) Chettinad Cement Corpn. Private Ltd., Karikkali Post Dindigul district-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.M.M.Ramesh Manager (Mines), Chettinad Cement Corpn. Private Ltd., CCC Quarry, Guziliamparai (via), Guziliamparai (T.K), Dindigul – 624 703. Phone- 04551-220720. Date of Appointment – 31.03.2023.
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri.G.Balamurugan Mining Engineer, Chettinad Cement Corpn. Private Ltd., CCC Quarry, Guziliamparai (via), Guziliamparai (T.K), Dindigul – 624 703. Phone- 04551-220720. Date of Appointment – 05.04.2023
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri.M.StalinPrakash Geologist Chettinad Cement Corpn. Private Ltd., CCC Quarry, Guziliamparai (via) Guziliamparai (T.K), Dindigul – 624 703 Phone- 04551-220720 Date of Appointment – 15.10.2018
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/DN/MP/Lst-1291-SZ dated 29.03.2001
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	ROMP: TN/DGL/LST/ROMP/1614.MDS Dated:10.12.2020 Period :2021-22 to 2025-26
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/Non Captive	Captive

Exploration (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2.	G1	G1	The area is fully explored under G1 category.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	Nil
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	86.80 M.T (111 Category)		Nil
1f	General remarks of inspecting officer on geology, exploration etc.	Nil	Nil	Nil

Development (2023-24)

S.No	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Alambadi Pit: N-1186223 to N-1186695 E-177695 to E-178151 Mallapuram Pit: N-1184880 to N-1185504 E-177630 to E-178003 Karikkali-I Pit: N-1184999 to N-1185374 E-178510 to E-178826 Samy Pit: N-1184746 to N-1184772 E-178980 to E-179137 Karikkali New Pit: N-1185040 to N-1185240 E-179245 to E-179375	Alambadi Pit: N-1186227 to N-1186634 E-177695 to E-178150 Mallapuram Pit: N-1185422 to N-1185474 E-177658 to E-177921 Karikkali-I Pit: N-1185318 to N-1185422 E-178644 to E-178703 Samy Pit: N-1184792 to N-1184700 E-179000 to E-179044 Karikkali New Pit: N-1185048 to N-1185193 E-179274 to E-179371	Followed as per plan
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Alambadi Pit: No.of Benches in Ore – 3 No.of Benches in OB -2 Mallapuram Pit: No.of Benches in Ore – 2 Benches in OB -1 I Karikkali Pit: No.of Benches in Ore – 3 No.of Benches in OB -2 Samy pit: No.of Benches in Ore – 1 No.of Benches in OB -1 Karikkali New pit: No.of Benches in Ore – 1 Benches in OB -1	Alambadi Pit: No.of Benches in Ore – 3 No.of Benches in OB -2 Mallapuram Pit: No.of Benches in Ore – 2 Benches in OB -1 I Karikkali Pit: No.of Benches in Ore – 3 No.of Benches in OB -2 Samy pit: No.of Benches in Ore – 1 No.of Benches in OB -Nil Karikkali New pit: No.of Benches in Ore – 1 Benches in OB -1	Followed as per plan

2c	Stripping ratio or ore to OB ratio	1:1.30	1:1.09	Nil
2d	Quantity of topsoil generation in m ³	Nil	Nil	Nil
2e	Quantity of overburden generation in m ³	7,01,170 m ³	4,97,061 m³	<i>Violation letter issued</i>
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Nil	Nil	Nil

Exploitation (2023-24)

S.No	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	5	5	Nil
3b	Quantity of ROM mineral production proposed	37,22,985 Ts	16,95,687.85 Ts	<i>Violation letter issued</i>
3c	Recovery of salable/usable mineral from ROM production	18,99,943 Ts	14,32,706.65 Ts	-

3d	Quantity of mineral reject generation	18,23,042 Ts	2,62,981.20 Ts	<i>Violation letter issued</i>
3e	Grade of mineral reject generation and threshold value declared	<34 CaO	<34 CaO	Nil
3f	Quantity of sub-grade mineral generation	Nil	Nil	Nil
3g	Grade of sub-grade mineral generation	-	-	Nil
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized Method	Mechanized Method	As per plan
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	Not Applicable

3j	Provision of drilling & blasting in mineral benches	BH dia-115mm BH depth-10m Spacing -3.5m Burden -2.5m Slurry type of Explosives with ANFO will be used for blasting. Detonators-Delay & Nonel detonator	BH dia-115mm BH depth-10m Spacing -3.5m Burden -2.5m Slurry type of Explosives with ANFO will be used for blasting. Detonators-Delay & Nonel detonator	As proposed																																				
3k	Provision of mining machineries in mineral benches	<table border="1"> <thead> <tr> <th>Type of Machinery</th> <th>Capacity of each unit</th> <th>No. of Units</th> </tr> </thead> <tbody> <tr> <td>(ii)Hydraulic Excavator-</td> <td>1.9 CUM</td> <td>5</td> </tr> <tr> <td>Front End Loader</td> <td>0.9 CUM</td> <td>1</td> </tr> <tr> <td>Tipper</td> <td>25 Tonnnes</td> <td>20</td> </tr> <tr> <td>Compressor</td> <td>450 CFM</td> <td>1</td> </tr> <tr> <td>Water Tanker</td> <td>8000 Litre</td> <td>1</td> </tr> </tbody> </table>	Type of Machinery	Capacity of each unit	No. of Units	(ii)Hydraulic Excavator-	1.9 CUM	5	Front End Loader	0.9 CUM	1	Tipper	25 Tonnnes	20	Compressor	450 CFM	1	Water Tanker	8000 Litre	1	<table border="1"> <thead> <tr> <th>Type of Machinery</th> <th>Capacity of each unit</th> <th>No. of Units</th> </tr> </thead> <tbody> <tr> <td>(ii)Hydraulic Excavator-</td> <td>1.9 CUM</td> <td>5</td> </tr> <tr> <td>Front End Loader</td> <td>0.9 CUM</td> <td>1</td> </tr> <tr> <td>Tipper</td> <td>25 Tonnnes</td> <td>20</td> </tr> <tr> <td>Compressor</td> <td>450 CFM</td> <td>1</td> </tr> <tr> <td>Water Tanker</td> <td>8000 Litre</td> <td>1</td> </tr> </tbody> </table>	Type of Machinery	Capacity of each unit	No. of Units	(ii)Hydraulic Excavator-	1.9 CUM	5	Front End Loader	0.9 CUM	1	Tipper	25 Tonnnes	20	Compressor	450 CFM	1	Water Tanker	8000 Litre	1	As per plan
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3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height-10 mtr, Width-12mtr	Height-10 mtr, Width-12mtr	Followed as per plan.																																				
3m	Total area covered under excavation/pits	97.76.0 Hect	97.76.0 Hect	As per plan																																				
3n	Ore to OB ratio for the pit/mine during the year	1:1.30	1:1.09	-																																				
3o	Total area put in use under different heads at the end of year	251.59.0Ha	251.59.0Ha	Nil																																				
3p	Production of ROM mineral during last five-year period, as applicable	2019-20-3000680 Ts 2020-21-3530408 Ts 2021-22-1900000 Ts 2022-23-1900000 Ts 2023-24-1900000 Ts	2019-20-2244364 Ts 2020-21-1601909 Ts 2021-22-1421352 Ts 2022-23-11,34,613.795 Ts 2023-24-14,32,706.65 Ts	Within limit																																				
3q	General remarks of inspecting officer on method of mining etc.	Nil	Nil	Nil																																				

Solid Waste Management-Dumping (2023-24)

S.No	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	OB-4 Dumps	<i>OB-2 Dumps</i>	<i>Violation letter issued</i>
4b	Location of topsoil, OB & mineral reject dumps	Dump No.2 N-1185718 to N-1185849 E-177607 to E-177761 Dump No.10 N-1184440 to N-1184715 E-178110 to E-178257 Dump No.25 N-1185314 to N-1185434 E-179091 to E-179317 Dump No.23 N-1184668 to N-1184822 E-179650 to E-179936	Dump No.2 N-1185718 to N-1185849 E-177607 to E-177761 Dump No.23 N-1184663 to N-1184749 E-179671 to E-179923	Nil
4c	Number of dumps within lease area and outside lease area	Within lease – 04 Outside Lease- Nil	Within lease – 02 Outside Lease- Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump No.2 N-1185718 to N-1185849 E-177607 to E-177761 Dump No.10 N-1184440 to N-1184715 E-178110 to E-178257 Dump No.25 N-1185314 to N-1185434 E-179091 to E-179317 Dump No.23 N-1184668 to N-1184822 E-179650 to E-179936	Dump No.2 N-1185718 to N-1185849 E-177607 to E-177761 Dump No.23 N-1184663 to N-1184749 E-179671 to E-179923	Nil
4e	Number of active & alive dumps	Active = 4	Active = 2 Alive = 2	Nil
4f	Number of dead dumps	Nil	Nil	2 Dumps within the lease area
4g	Number of dumps stabilized	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Garland Drainage provided all along the dumps.	Nil
4i	Length of Retaining wall or garland drain all along dump	Nil	Provided	300 mts length
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 (2023-24)

S.No	Item	Proposals	Actual work	Remarks
5a	Status on 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	Not Applicable	Not Applicable	Nil
5c	Concurrent use of topsoil for	Not Applicable	Not Applicable	Nil

	restoration or rehabilitation of mined out area (Rule 32)			
5d	Total area fully reclaimed & rehabilitated	Not Applicable	Not Applicable	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	Nil	Nil	Nil

Progressive Mine Closure Plan

S.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly –Rule 23E(2). Details should be given in the format as given in Annexure-20.	Yes	Submitted on 17.06.2024	Nil
6b	Area available for rehabilitation (ha)	Nil	Nil	Nil
6c	Afforestation done (ha)	-	-	Gap Filling Plantation (1.50 Ha)
6d	No. of saplings planted during the year	1500	1600	Nil
6e	Cumulative no. of plants	-	102300	Nil
6f	Any other specific method of rehabilitation	NA	NA	Nil
6g	Cost incurred on watch & care during the year	Rs.90,000/-	Rs.1,00,000/-	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i)Voids available for backfilling (LxBxD)	Nil	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii)Void filled by waste/tailings	NA	NA	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on the 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 rehabilitated (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 & buffer zone)	Proposed	Done as per proposal	Periodically Monitored
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Nil	Nil	Nil

Mineral Conservation (2023-24)

S.No.	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	NA	NA	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil	Nil	Nil

Environment (2023-24)

S.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	Nil
8b	Concurrent use or storage of topsoil	NA	NA	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Within lease – 04	Within lease – 02	Followed as per plan
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)	1500 Nos.	1600 Nos.	Nil
8g	Survival rate	80 %	85%	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	Nil	Nil

Compliance of Rule 45 (2023-24)

S.No.	Item	Comments		Remarks	
9a	Status of submission of Monthly and Annual returns	Submitted in Time	Monthly Returns Submitted upto Date 06.09.2024. Annual Returns submitted Date 17.06.2024	Nil	
S.No.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Shri.M.M.Ramesh Manager (Mines), Mr.StalinPrakash – Geologist Mr.G.Balamurugan – Mining Engineer	Shri.M.M.Ramesh Manager (Mines), Mr.StalinPrakash – Geologist Mr.G.Balamurugan – Mining Engineer	Nil	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits- 97.76 Ha Area under reclamation- Nil Area under dumps- 71.050 Ha Area under Plant buildings, roads , green belt & undisturbed area- 82.78 Ha	Area under pits- 97.76 Ha Area under reclamation- Nil Area under dumps- 71.050 Ha Area under Plant buildings, roads , green belt & undisturbed area- 82.78 Ha	Nil	
9d	Scrutiny of Annual return on afforestation	1600 Nos	1600 Nos	Nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	2,62,981.20 Ts SiO ₂ >27.0	2,62,981.20 Ts SiO ₂ >27.0	Nil	
9f	Scrutiny of Annual return on stock and/or graded ore	8,488.17 Ts	8,488.17 Ts	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Rs.368.25	Rs.368.25	Nil	
9h	Scrutiny of Annual return on fixed assets	Rs. 4,57,54,010	Rs. 4,57,54,010	Nil	
9i	Scrutiny of Annual return on mining machineries	Shovel-5, Tippers-20, Loader -1, Air Compressor-1 Rock drill- 1, Explosive van -1 & Water tanker-1	Shovel-5, Tippers-20, Loader -1, Air Compressor-1 Rock drill-1, Explosive van -1 & Water tanker-1	Nil	
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				

Arun Vivek V
Junior Mining Geologist
IBM Chennai

24/12/2024

(Name of inspecting officer with designation and date)