

INDIAN BUREAU OF MINES
MINERAL DEVELOPMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Chennai Regional Office

Mine file No. TN/PBR/LST-59.MDS		Mine code - 38TMN24006
(i)	Name of the inspecting officer & Designation	Matiul Islam Assistant Controller of Mines
(ii)	Accompanied mine official and designation	Shri. B. Vikram Pyus - AGM (Mines)
(iii)	Date of inspection	05/09/2024
PART-I: General Information		
1	Name of the Mine	Olaipadi Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.98 Ha(No Forest Land)
3	Mine code	170/38TMN24006
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/170/2011
5	Name of the lessee, Address, phone, email and fax number	Olaipadi Limestone Mines Chettinad Cement Corpn (P) Ltd, Trichy-Ariyalur Road, Kilapaluvur - 621707 PhNo. 04329-250011 Email- arymines@chettinadcement.com Fax: 04329-250011
6	Village	Olaipadi
7	Taluk/Mandal	Kunnam
8	District	Perambalur
9	Pin code	621717
10	State	Tamilnadu
11	Post office	Kilapaluvur
12	Nearest police station	Kilapaluvur
13	Nearest Railway station	Ariyalur
14	Date of Grant of Mining Lease	24.12.2009
15	Date of Execution	02.03.2010
16	Date of opening of Mine	04.03.2011
17	Date of first Renewal, if applicable and its period & expiry	NA
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	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri. Mohan Muthukaruppan M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmiipathy Road, Egmore, Chennai -08 Date of appointment :01.04.2022
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri. R.P.Muthiah M/s Chettinad Cement Corporation (P) Ltd, Trichy-Ariyalur Road, Keelapalur, Ariyalur - 621707 Date of appointment :01.12.2022
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	-
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	-

24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	-
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/PBR/MP/LST & MARL-1755/SZ Dated : 26.10.2009.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Review of Mining Plan: TN/PBR/LST/ROMP-1647.MDS dated 23.06.2021 Five-year period 2020-21 To 2024-25
27	Mineral(s) granted in lease and proved for mining	Limestone & Marl
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/ Non captive	Captive

PART-II : OBSERVATION / COMMENTS OF INSPECTING OFFICER

Exploration

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Lease area already fully explored upto G-1 level.
1b	Exploration over lease area for Geological axis 1 or 2.	G 1 Level	G 1 Level	18 Bore holes were drilled for a metre age of 369.00 m during 2006 to 2013.
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	Lst- 325463 T Marl - 22680 T Total - 348143 T	Lst- 325463 T Marl - 22680 T Total - 348143 T	Nil
1f	General remarks of inspecting officer on geology, exploration etc.	-	-	Mine inoperational since 22.01.2016. FMCP implementation under progress.

Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	No Proposal in FMCP	Nil	Nil
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No Proposal in FMCP	Nil	Nil
2c	Stripping ratio or ore to OB ratio in m3	No Proposal in FMCP	Nil	Nil
2d	Quantity of topsoil generation in m3	No Proposal in FMCP	Nil	Nil
2e	Quantity of overburden generation in m3	No Proposal in FMCP	Nil	Nil
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	-	-	Mine inoperational since 22.01.2016. FMCP implementation under progress.

Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	No Proposal in FMCP	Nil	Nil
3b	Quantity of ROM mineral production proposed	No Proposal in FMCP	Nil	Nil
3c	Recovery of salable/usable mineral from ROM production	NA	NA	NA
3d	Quantity of mineral reject generation	Nil	Nil	NA
3e	Grade of mineral reject generation and threshold value declared	NA	NA	NA

3f	Quantity of sub-grade mineral generation	NA	NA	NA
3g	Grade of sub-grade mineral generation	NA	NA	NA
3h	Manual / Mechanized method adopted for segregating from ROM	NA	NA	NA
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	NA
3j	Provision of drilling & blasting in mineral benches	NA	NA	NA
3k	Provision of mining machineries in mineral benches	NA	NA	NA
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal	Nil	Nil
3m	Total area covered under excavation/pits	4.40 ha	4.40 ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil	Nil
3o	Total area put in use under different heads at the end of year	4.98 ha	4.98 ha	As per FMCP
3p	Production of ROM mineral during last five-year period, as applicable	2020-21: Lapsed Year 2021-22-No Proposal 2022-23- 119453 Ts 2023-24- 124650 Ts 2024-25- 104040 Ts	2020-21: Nil 2021- 22- Nil 2022- 23- Nil 2023- 24- Nil 2024- 25- Nil	Mine inoperational since 22.01.2016. FMCP implementation under progress.
3q	General remarks of inspecting officer on method of mining etc.	-	-	Mine inoperational since 22.01.2016. FMCP implementation under progress.

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No Proposal in FMCP	Nil	Nil
4b	Location of topsoil, OB & mineral reject dumps	No Proposal in FMCP	Nil	Nil
4c	Number of dumps within lease area and outside lease area	No Proposal in FMCP	Nil	Nil.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal in FMCP	Nil	Nil.
4e	Number of active & alive dumps	No Proposal in FMCP	Nil	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	No Proposal in this year.	Nil	Nil
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Nil	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management.	-	-	Mine inoperational since 22.01.2016. FMCP implementation under progress.

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	No Proposal	Nil	Nil
5b	Area under backfilling of mined out area	No Proposal	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	Nil	Nil
5d	Total area fully reclaimed & rehabilitated	No Proposal	Nil	PMCP report
5e	General remarks of inspecting officer on backfilling, reclamation etc	-	-	Mine inoperational since 22.01.2016. FMCP implementation under progress.

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). Details should be given in the format as given in Annexure-20.	Yes	Submitted	Along with Annual Return
6b	Area available for rehabilitation (ha)	0.58 Ha	Nil	. Violation pointed out for deviation from afforestation proposal
6c	Afforestation done (ha)	0.58 Ha	Nil	. Violation pointed out for deviation from afforestation proposal
6d	No. of saplings planted during the year	580	Nil	. Violation pointed out for deviation from afforestation proposal
6e	Cumulative no. of plants	1050	Till date cumulative proposal 975 Nos .	. Violation pointed out for deviation from afforestation proposal
6f	Any other specific method of rehabilitation	Nil	Nil	Only Plantation
6g	Cost incurred on watch & care during the year	Rs 43,500/-	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D)	Nil	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	4.40	Nil	Water found accumulated in the pit. Violation pointed for non-erection of fencing as per proposal.
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 rehabilitated	Nil	Nil	Nil

	(ha)			
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	Nil	Nil
6p	Compliance of Environmental monitoring (core zone & buffer zone)	No Proposal	Nil	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	-	-	Mine inoperational since 22.01.2016. FMCP implementation under progress.

Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting Proposed	No sorting Carried out	Not applicable
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not applicable	Not applicable	Not applicable
7c	Different grade of mineral sorted out at mines	Nil	Nil	Not applicable
7d	Any beneficiation process at mines	Nil	Nil	Not applicable
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	-	-	Mine inoperational since 22.01.2016. FMCP implementation under progress.

Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal in FMCP	Nil	Nil.
8b	Concurrent use or storage of topsoil	No Proposal in FMCP	Nil	Nil.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal in FMCP	Nil	Nil.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal in FMCP	Nil	Nil.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Reclamation by water reservoir and plantation	Nil	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	1050	Till date cumulative proposal 975 Nos .	Violation pointed for deviation from afforestation proposal.
8g	Survival rate	80%	80%	Nil
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	Not applicable
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	Mine inoperational since 22.01.2016. FMCP implementation under progress.

Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to Date 05.09.2024	Annual Returns: 26.04.2024	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	Nil	Given in Annual return part (I) Serial No -7, 8,9	Mine inoperational since 22.01.2016. FMCP implementation under progress.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit-4.40 Ha Reclaimed-rehabilitated-0.00 Ha Waste Disposal-0.0 Ha Roads-0.00 Ha Afforestation Safety Zone- 5.08 Ha	Given in Annual return part (I) (12)	Nil
9d	Scrutiny of Annual return on afforestation	Cumulative Afforestation -975 trees	PART-V (General Geology & Mining Section 5	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Reject- Nil	PART-V (General Geology & Mining Section 3	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	PART-VI (PRODUCTION, DESPATCHES AND STOCKS) (LIMESTONE) Section 2	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil	PART-VI (Production, despatches and stocks) (limestone) section 3	Nil
9i	Scrutiny of Annual return on fixed assets	Rs 40,00,000/-	PART-II A (Capital Structure) Section 1	Nil
9k	Scrutiny of Annual return on mining machineries	Nil	PART-V (General Geology & Mining) Section 6	Nil

Details of violations observed during current inspection and compliance position of violations pointed out					
Violation observed			Show cause position		
Rule No.	Issued on	Compliance on	Rule No.	Issued on	Compliance on
11(1)	03/10/2024				

Date:

(Matiul Islam)
Indian Bureau of Mines