

INDIAN BUREAU OF MINES MINERAL DEVELOPMENT AND REGULATION DIVISION MCDR INSPECTION REPORT Chennai Regional Office		
Mine file No.TN/ALR/LST-6/MDS		Mine code - 38TMN38011
(i)	Name of the inspecting officer & Designation	KUMERESH A Senior Assistant Controller of Mines
(ii)	Accompanied mine official and designation	Shri Vikram Pyus (AGM – Mines), Shri S.Srinivasan (Geologist)
(iii)	Date of inspection	21.09.2024
(iv)	Date of previous inspection	04.08.2023
PART-I: General Information		
1.	Mine Name	Pudupalayam Limestone Mine
(b)	Registration Number	IBM/170/2011
(c)	Category	A
(d)	Type of Working	Opencast
(e)	Postal Address State District Village Taluka Post Office Pin Code FAX No. E-mail Phone	Pudupalayam Limestone Mines M/s Chettinad Cement Corporation (P) Ltd, Trichy-Ariyalur Road, Keelapalur, Ariyalur – 621707 Ph No. 04329-250011 Email- arymines@chettinadcement.com Fax: 04329-250011
(f)	Police Station	Keelapalur
(g)	First opening date	01.04.2011
(h)	Weekly day of rest	Sunday
2.	Address for correspondence	Shri. Mohan Muthukaruppan M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmi pathy Road, Egmore, Chennai -08 Date of appointment :01.04.2022
3.	Lease Number	TMN1050
	Lease Area	4.32.5Ha (No Forest Land)
	Period of lease	20 years
	Date of expiry	08.04.2030

4.	Mineral worked	Limestone
5.	Name and address of the Lessee: Owner: Agent:	<p>M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmi pathy Road, Egmore, Chennai -08 Date of appointment :01.04.2022</p> <p>Shri. Mohan Muthukaruppan M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmi pathy Road, Egmore, Chennai -08 Date of appointment :01.04.2022</p> <p>Shri. R.P.Muthiah M/s Chettinad Cement Corporation (P) Ltd, Trichy-Ariyalur Road, Keelapalur, Ariyalur – 621707 Date of appointment :01.12.2022</p>
6	Date of Approval of Mining Plan/Modified Mining Plan with five – year period and specific condition in approval letter, if any.	No.TN/ALR/LST/ROMP-1607.MDS DATED-11.11.2020
	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five – year period and specific condition in approval letter, if any.	Fresh under Rule 22 MCR 1960: 26.10.2009 Mp review under 17(1) MCR 2016: 22.06.2021

PART-II : OBSERVATION / COMMENTS OF INSPECTING OFFICER
EXPLORATION

S. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	Mine was not operational for more than 10 years due non availability of EC
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	Nil
1c	Exploration Agency & 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 reserves as on 01.04.2024 (111 Category)	0.315 Million Tonnes Marl-0.0267 Total-0.3147 Million Tonnes	0.315 Million Tonnes Marl-0.0267 Total-0.3147 Million Tonnes	The lessee has revised the reserve estimation on the basis of the latest drilled holes and has submitted the same along with FMCP which is under process

1f	General comments of inspecting officer on geology, exploration etc.	-	-	Geology & Exploration of the mine were found satisfactory.
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DEVELOPMENT

S. No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	N-1232217- N-1232266 E-294642- E-294709	Nil	Mining is not operational since 11.10.2012 due to non availability of Environmental clearance
2b	Separate benches in topsoil, overburden and minerals (Rule 13 of MCDR-2017)	-	-	Nil
2c	Stripping ratio or ore to OB ratio	-	-	Nil
2d	Quantity of topsoil generation in m3	-	-	Nil
2e	Quantity of overburden generation in m3	-	-	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.			Mine is not operational since 11.10.2012 due to non availability of Environmental clearance

EXPLOITATION

S. No.	Item	Proposals	Actual Work	Remarks
3a	Number of Pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	FMCP period .No Production	-	Mining operation was discontinued from 11.10.2012 for want of Environmental clearance
3c	Recovery of salable/usable mineral from ROM production	-	-	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	Mining operation was discontinued from 11.10.2012 for want of
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized	Mechanized	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	Environmental clearance
3j	Provision of drilling and blasting in mineral benches	Nil	Nil	
3k	Provision of mining machineries in mineral benches	Rockbreaker-1 Hydraulic Excavator 1.5m ³ -1 Tipper 20 Te-12	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in RoMP	Yes	Yes	
3m	Total area covered under excavation/pits	2.605 Ha	2.605 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.47	Nil	
3o	Total area put in use under different heads at the end of year	4.325 Ha	4.325 Ha	
3p	Production of ROM mineral during the last five-year period as applicable	2020-21:Nil 2021-22:Nil 2022-23:271778 Te 2023-24-FMCP Period 2024-25- FMCP Period	2020-21:Nil 2021-22:Nil 2022-23:Nil 2023-24:Nil 2024-25- Nil	Mining operation was discontinued from 11.10.2012 for want of Environmental clearance
3q	General remarks of inspecting officers on method of mining etc.	Nil	Nil	Mining operation was discontinued from 11.10.2012 for want of Environmental clearance

SOLID WASTE MANAGEMENT-DUMPING

S. No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 36,37)	NA	NA	Nil
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	Nil
4c	Number of dumps within lease area and outside of lease area	NA	NA	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	Nil
4e	Number of active and alive dumps.	NA	NA	Nil
4f	Number of dead dumps.	NA	NA	Nil
4g	Number of dumps established.	NA	NA	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	Nil
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	Nil
4j	Number of settling ponds	NA	NA	Nil
4k	Specific comments of inspecting officer on waste dump management	--	--	Mining operation was discontinued from 11.10.2012 for want of Environmental clearance

SOLID WASTE MANAGEMENT-BACKFILLING

S. No.	Item	Proposals	Actual Work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Concurrent Back filled proposed in mined out area	Nil	Nil
5b	Area under backfilling of mined out area	Not specified	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 and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc	--	--	Mining operation was discontinued from 11.10.2012 for want of Environmental clearance

PROGRESSIVE MINE CLOSURE PLAN

S. No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 26 (2)	Yes	Submitted along with annual return	
6b	Area available for rehabilitation (ha).	Not specified	Nil	
6c	Afforestation done (ha).	Not specified	Nil	
6d	No. of saplings planted during the year	900 Nos	Nil	
6e	Cumulative no. of plants	-	2130	
6f	Any other method of rehabilitation	-	Nil	
6g	Cost incurred on watch and care during the year	Not specified	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D)	Not specified	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not specified	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation backfilled area	Nil	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NA	NA	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	NA	NA	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-		No progressive closure operations were carried out during the plan period as the mine was not in

				operation since 11.10.2012 due to non-availability of EC
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MINERAL CONSERVATION

S. No.	Item	Proposals	Actual Work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting was proposed	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	-	-	Entire ROM was proposed to be consumed. However, operations were not carried out during the plan period due to non availability of EC

ENVIRONMENT

S. No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Nil	Mining operations were not carried out during the plan period due to non availability of EC
8b	Concurrent use or storage of topsoil	NA	NA	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Only OB generation was envisaged and proposed to be backfilled after complete extraction of mined out area.	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	OB generated was proposed to be backfilled after complete extraction of mined out area.	Yes	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	OB generated was proposed to be backfilled after complete	Yes	Nil

		extraction of mined out area.		
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1400	2130	Nil
8g	Survival rate	Not specified	Nil	Nil
8h	Water sprinkling on roads to control airborne dust	Yes	Nil	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	--	--	No progressive closure operations were carried out during the plan period as the mine was not in operation since 11.10.2012 due to non-availability of EC

COMPLIANCE UNDER RULE-45

S. No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	Proposed	Submitted	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not given	No technical personnel were appointed as the Mine was not in operation since 11.10.2012 due to non-availability of EC	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit area-2.605 Ha Reclaimed-0.00 Ha Waste disposal-- Ha Buildings & Roads-0.0 Ha Green Belt-1.72 Ha	Given in part I sl No 12.	
9d	Scrutiny of Annual return on afforestation	Nos-2130 Provided in part-V, Para-5		
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Given in part V, sl No 4.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Given in part VI, sl No 1.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Given in part VI-SL NO 2 and Part-VII.	
9h	Scrutiny of Annual return on fixed assets	Rs 40,00,000	PART-IIA (Capital Structure) Section 1	
9i	Scrutiny of Annual return on mining machineries	Nil	Given in part V-SL NO 6	

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)	25.10.2024	13.11.2024			

Date:

KUMERESH A
SrAsst Controller of Mines
Indian Bureau of Mines