

<b>INDIAN BUREAU OF MINES</b> <b>MINERAL DEVELOPMENT AND REGULATION DIVISION</b> <b>MCDR INSPECTION REPORT</b> <b>Chennai Regional Office</b>		
<b>Mine file No.ALR/LST-4.MDS</b>		<b>Mine code - 38TMN38013</b>
(i)	Name of the inspecting officer & Designation	<b>KUMERESH A</b> Senior Assistant Controller of Mines
(ii)	Accompanied mine official and designation	Shri. Mr. Vikram Pyus (AGM – Mines), Shri. S.Srinivasan (Geologist )
(iii)	Date of inspection	<b>22.09.2024</b>
(iv)	Date of previous inspection	<b>05.08.2023</b>
<b>PART-I: General Information</b>		
1.	Mine Name	Aminabad Limestone Mine
(b)	Registration Number	IBM/170/2011
(c)	Category	<b>A</b>
(d)	Type of Working	<b>Opencast</b>
(e)	Postal Address State District Village Taluka Post Office Pin Code FAX No. E-mail Phone	Aminabad 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	20.02.2009
(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 Lakshmipathy Road, Egmore, Chennai -08 Date of appointment :01.04.2022
3.	Lease Number	TMN1565
	Lease Area	2.25.5 Ha (No Forest Land)
	Period of lease	20 years
	Date of expiry	19.02.2029

4.	Mineral worked	Limestone
5.	<p>Name and address of the Lessee:</p> <p>Owner:</p> <p>Agent:</p> <p>Manager:</p> <p>Engineer:</p> <p>Geologist:</p>	<p>M/s. Chettinad Cement Corporation Private Ltd</p> <p>Shri. Mohan Muthukaruppan M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy 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> <p>Shri Vikram Piyush B Tech with FCC</p> <p>Shri Karthigeyan, Date of appointment:26.04.2012</p> <p>Shri Balakannan Date of appointment:26.03.2011</p>
6	<p>Date of Approval of Mining Plan/Modified Mining Plan with five – year period and specific condition in approval letter, if any.</p> <p>Date of Approval of Scheme of Mining/Modified Scheme of Mining with five – year period and specific condition in approval letter, if any.</p>	<p>Modification of approved mining plan:10.05.2012</p> <p>Mining Scheme rule 12 MCDR 1988: 16.05.2014</p> <p>Mp review under 17(1) MCR 2016: 2021</p>

**PART-II : OBSERVATION / COMMENTS OF INSPECTING OFFICER**  
**EXPLORATION**

S. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Two boreholes were proposed for the period 2021-22	Nil	The mine was not in operation since 21.01.2017. The lessee has submitted FMCP which is under process
1b	Exploration over lease area for Geological axis 1 or 2.	G1	G1	7 Exploration boreholes were drilled with total meterage of 106m and fully explored.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not specified	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)	0.106 Million Tons (106040 Tonns)		Mining was not carried out during the plan period for want of EC

1f	General comments of inspecting officer on geology, exploration etc.	-	-	The mine was not in operation since 21.01.2017. The lessee has submitted FMCP which is under process
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**DEVELOPMENT**

S. No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	Nil	Nil	Mining operation was discontinued from 21.01.2017 due to want of Environmental clearance. FMCP Period 2023-24 to 2024-25
2b	Separate benches in topsoil, overburden and minerals (Rule 13 of MCDR-2017)	Nil	Nil	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.			The mine was not in operation since 21.01.2017. The lessee has submitted FMCP which is under process

**EXPLOITATION**

S. No.	Item	Proposals	Actual Work	Remarks
3a	Number of Pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	NIL	NIL	Mining operation was discontinued from 21.01.2017 due to 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	-
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	-
3j	Provision of drilling and blasting in mineral benches	No Drilling and Blasting will be carried out	No Drilling and Blasting will be carried out	-
3k	Provision of mining machineries in mineral benches	Rockbreaker 120 TPH-1 Hydraulic excavator 0.9m <sup>3</sup> -1 Tipper 20 T-5	Nil	Mining operation were discontinued from 21.01.2017
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in RoMP	Max Bench Height-7m Max Bench width -7m	Max Bench Height-7m Max Bench width -7m	-
3m	Total area covered under excavation/pits	1.540 Ha	1.540 Ha	-
3n	Ore to OB ratio for the pit/mine during the year.	-	-	-
3o	Total area put in use under different heads at the end of year	2.255 Ha	2.255 Ha	-
3p	Production of ROM mineral during the last five-year period as applicable	2019-20- 2020-21- 2021-22- 2022-23- 50400 Ts 2023-24- NIL	2019-20 - Nil 2020-21- Nil 2021-22- Nil 2022-23- Nil 2023-24- 0	Mining operation were discontinued from 21.01.2017 for want of Environmental clearance
3q	General remarks of inspecting officers on method of mining etc.	Nil	Nil	-

**SOLID WASTE MANAGEMENT-DUMPING**

S. No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 36,37)	No top soil, Overburden or Mineral reject were envisaged for the plan period	Nil	
4b	Location of topsoil, OB and mineral reject dumps	-	-	Top Soil Located at N-1231960 to N-1232200 E-294420 to E-294560 Top soil dumps reclaimed by Afforestation.
4c	Number of dumps within lease area and outside of lease area	Within ML : 1 Outside ML: Nil	Within ML : 1 Outside ML: Nil	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	-
4e	Number of active and alive dumps.	Nil	Nil	-
4f	Number of dead dumps.	1	1	-
4g	Number of dumps established.	1	1	-
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	--	--	No waste generation or dumping envisaged/carried out during the plan period

**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.	Back filled not proposed	Nil	Nil
5b	Area under backfilling of mined out area	NA	NA	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	NA	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc	--	--	No backfilling/reclamation proposed or carried out during the plan period.

**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)	-	-	Submitted along with annual return on 30.06.2023
6b	Area available for rehabilitation (ha).	0.537	-	-
6c	Afforestation done (ha).	0.537	-	-
6d	No. of saplings planted during the year	535	-	
6e	Cumulative no. of plants	-	655	As on date cumulative No of Planation
6f	Any other method of rehabilitation	-	-	-
6g	Cost incurred on watch and care during the year	40275	-	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D)	-	-	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	-	-	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation backfilled area	-	-	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	-	-	Submitted along with annual return on 30.06.2023
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	No proposal	NA	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (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 and buffer zone)	Yes	Nil	Mining operation were discontinued from 21.01.2017
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	--	No PMCP works were carried out. Mine was not in operation since 21.01.2017.

**MINERAL CONSERVATION**

S. No.	Item	Proposals	Actual Work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting proposed	Nil	Nil
7b	Method of grade wise mineral sorting i.e. manual or mechanical.	NA	NA	Nil
7c	Different grade of mineral sorted out at mines.	NA	NA	Nil
7d	Any beneficiation process at mines	NA	NA	Nil
7e	General remarks of inspecting officer on Mineral Conservation & beneficiation issues	-	-	Entire ROM was proposed to be consumed. However, the mine was not in operation since 21.01.2017

**ENVIRONMENT**

S. No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil, removal or utilization was envisaged during the plan period	Nil	Nil
8b	Concurrent use or storage of topsoil	NA	NA	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No waste rock or OB, Rejects/fines generation was envisaged during the plan period	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dump 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)	Nil	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	26831+1000=27831	26831+1000=27831	Nil
8g	Survival rate	>80%	>80%	Nil
8h	Water sprinkling on roads to control airborne dust	Yes	Water tanker deployed	Nil

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	--	--	Mining operation were discontinued from 21.01.2017 for want of Environmental clearance
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**COMPLIANCE UNDER RULE-45**

S. No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to Date:03.09.2024 A.R. submitted on 26.04.2024		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not specified	Engineer, Geologist, Manager were not appointed as the mine is not in operation since 21.01.2017	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit area-1.54 Ha Reclaimed-0.00 Ha Waste disposal-0.178 Ha Buildings & Roads-0.0 Ha Green Belt-0.537 Ha	Provided in part-I, Sl.No-12	
9d	Scrutiny of Annual return on afforestation	-	Provided in part-V, Sl No-5	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Provided in part-V, Sl No 4	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Provided in part-VI, Sl No1	



9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Provided in part-VI, Sl No2 & VII	
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets:25,00,000	Provided in part -II, Capital structure	
9i	Scrutiny of Annual return on mining machineries		Provided 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)	24.10.2024	13.11.2024			

Date:

**KUMERESH A**  
**SrAsst Controller of Mines**  
Indian Bureau of Mines