

<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-22.MDS</b>		<b>Mine code - 38TMN38019</b>
(i)	Name of the inspecting officer & Designation	<b>KUMERESH A</b> Senior Assistant Controller of Mines
(ii)	Accompanied mine official and designation	Shri. Shantha Kumar, HOD (Mines)
(iii)	Date of inspection	05.10.2024
(iv)	Date of previous inspection	01.08.2014
<b>PART-I: General Information</b>		
1.	Mine Name	Kallankurichi Limestone Mine G.O.Ms.No.469
(b)	Registration Number	IBM /7446/2011
(c)	Category	A
(d)	Type of Working	Opencast
(e)	Postal Address State District Village Taluka Post Office Pin Code FAX No. E-mail Phone	M/s.Tamilnadu Cements Corporation Limited, T. Ravichandran, Deputy General Manager, 5th Floor, Aavin Illam, No.3A, Pasumpon Muthuramalingam Salai, Nandanam, Chennai – 600 035. Cell: 9095099647 Email ID: acwmines@gmail.com
(f)	Police Station	Ariyalur
(g)	First opening date	13.11.1985
(h)	Weekly day of rest	Sunday
2.	Address for correspondence	T. Ravichandran, Deputy General Manager M/s.Tamilnadu Cements Corporation Limited, 5th Floor, Aavin Illam, No.3A, Pasumpon Muthuramalingam Salai, Nandanam, Chennai – 600 035. Cell: 9095099647 Email ID: acwmines@gmail.com
3.	Lease Number	
	Lease Area	66.10 Ha (Non Forest area)
	Period of lease	20 years
	Date of expiry	12.11.2005

4.	Mineral worked	Limestone
5.	Name and address of the  Lessee:  Owner:  Agent:  Manager:  Engineer:  Geologist:	M/s.Tamilnadu Cements Corporation Limited  T. Ravichandran, Deputy General Manager M/s.Tamilnadu Cements Corporation Limited, 5th Floor, Aavin Illam, No.3A, Pasumpon Muthuramalingam Salai, Nandanam, Chennai – 600 035. Cell: 9095099647 Email ID: <a href="mailto:acwmines@gmail.com">acwmines@gmail.com</a>  --  --  --  --
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/ MP/LST -1796-54, Dated:12.07.2012
	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five – year period and specific condition in approval letter, if any.	No.TN/ALR/ LST/ROMP-1597.MDS, Dated:15.09.2020

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

S. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	The area is fully explored under G1 category
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	Geo Exploration and Mining Solution conducted total No.of 6 Core drills with 132mtrs depth completed during the year 2022.
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 (111 Category)	4631310 Tonne (111)		
1f	General comments of inspecting officer on geology, exploration etc.	-	-	Geology & Exploration of the mine were found satisfactory.

**DEVELOPMENT**

S. No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	Block-4 South 11° 9'4.81"N 79° 5'44.88"E 11° 9'1.36"N 79° 5'47.19"E	Nil	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 13 of MCDR-2017)	Yes	Nil	Nil
2c	Stripping ratio or ore to OB ratio	1:0.0	Nil	Nil
2d	Quantity of topsoil generation in m3	8603	Nil	Nil
2e	Quantity of overburden generation in m3	Nil	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.	--	--	--

**EXPLOITATION**

S. No.	Item	Proposals	Actual Work	Remarks
3a	Number of Pit proposed for production	Block-4	Nil	Nil
3b	Quantity of ROM mineral production proposed	100192 Ts	Nil	Nil
3c	Recovery of salable/usable mineral from ROM production	100192 Ts	Nil	Nil
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Nil
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	Nil	Nil	Nil
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized Method	Nil	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	Nil

3j	Provision of drilling and blasting in mineral benches	Nil	Nil	Nil
3k	Provision of mining machineries in mineral benches	Nil	Nil	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in RoMP	Nil	Nil	Nil
3m	Total area covered under excavation/pits	Nil	Nil	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	Nil	Nil	
3p	Production of ROM mineral during the last five-year period as applicable	2020-21- 64900 Ts 2021-22- 99946 Ts 2022-23- 100680 Ts	2020-21- Nil 2021-22- Nil 2022-23- Nil	
3q	General remarks of inspecting officers on method of mining etc.	-	-	The mine is not in operation since December 2014 due to non-availability of environment clearance

**SOLID WASTE MANAGEMENT-DUMPING**

S. No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 36,37)	Proposed Topsoil Temporary Dump- 80m*70m*4.9m	Nil	Nil
4b	Location of topsoil, OB and mineral reject dumps	South 11° 9'22.34"N 79° 5'34.91"E 11° 9'19.53"N 79° 5'35.41"E	Nil	Nil
4c	Number of dumps within lease area and outside of lease area	1	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	Nil
4e	Number of active and alive dumps.	1	Nil	Nil
4f	Number of dead dumps.	4	Nil	Nil
4g	Number of dumps established.	4	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall – 378m	Nil	Nil
4j	Number of settling ponds	No proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	--	--	The mine is not in operation since December 2014 due to non-availability of environment 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.	Mineral not exhausted fully		Nil
5b	Area under backfilling of mined out area	Nil	Nil	The mine is not in operation since December 2014 due to non-availability of environment clearance
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc	--	--	The mine is not in operation since December 2014 due to non-availability of environment 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	Yes, submitted	Nil
6b	Area available for rehabilitation (ha).	Nil	Nil	Nil
6c	Afforestation done (ha).	0.30 Ha	Nil	Nil
6d	No. of saplings planted during the year	330 Nos	Nil	Nil
6e	Cumulative no. of plants	Nil	Nil	Nil
6f	Any other method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch and care during the year	Nil	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D)	Nil	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil
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 rehabilitation (ha)	Nil	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	Nil	The mine is not in operation since December 2014 due to non-availability of environment clearance

**MINERAL CONSERVATION**

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	Nil	Nil	Nil
7e	General remarks of inspecting officer on Mineral Conservation & beneficiation issues	-	-	The mine is not in operation since December 2014 due to non-availability of environment clearance

**ENVIRONMENT**

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	Nil	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Nil	Nil	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)	Nil	Nil	Nil
8g	Survival rate	Nil	Nil	Nil
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	--	--	The mine is not in operation since December 2014 due to non-availability of environment clearance

**COMPLIANCE UNDER RULE-45**

S. No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer-1 Geologist – 1	Nil	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Nil	Nil
9d	Scrutiny of Annual return on afforestation	Nil	Nil	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	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 and production cost	Production cost Rs.375/ton Sale value Rs.420/ton	Nil	Nil
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	Nil
9i	Scrutiny of Annual return on mining machineries	Shovel-2 Other Heavy Machinery -2 Tipper-4	Nil	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

Date:

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