

INDIAN BUREAU OF MINES MINERAL DEVELOPMENT AND REGULATION DIVISION MCDR INSPECTION REPORT Chennai Regional Office		
Mine file No. TN/PT/LST-38.MDS		Mine code - 38TMN24038
(i)	Name of the inspecting officer & Designation	D.chandra sekhar Reddy. Assistant Mining Engineer
	Accompanied mine official and designation	Shri. G.Raj Narayan ,Owner representative and R.sakthivel rep.of QP..
(iii)	Date of inspection	19/07/2024 under ROMP.
PART-I: General Information		
1. (a)	Mine Name	Alanthuraiyarkattalai Limestone mine 4.49 Hc..
(b)	Registration Number	IBM/9706/2012
(c)	Category	A
(d)	Type of Working	Opencast
(e)	Postal Address State District Village Taluka Post Office Police station Pin Code FAX No. E-mail Phone	Sri. K.ganesan, managing partner Alanthuraiyarkattalai Limestone mine No.2/51, Middle street, A.Panangur, Alanthuraiyarkattalai, Ariyalur dt -621701. Tamil Nadu Ariyalu Alanthuraiyarkattalai Ariyalur Ariyalur Thelur 621701 -- Kathiravanmines.akm2gmail.com 98242406777
(f)	Police Station	Thelur
(g)	First opening date	20/09/2003
(h)	Weekly day of rest	SUN
2.	Address for correspondence	Sri. K.ganesan, managing partner Alanthuraiyarkattalai Limestone mine No.2/51, Middle street, A.Panangur, Alanthuraiyarkattalai, Ariyalur dt -621701
3. (a)	Lease Number	Not Available
(b)	Lease Area	4.49 Ha
(c)	Period of lease	20 years
(d)	Date of expiry	30/07/2023.
4.	Mineral worked	Limestone
5.	Name and address of the Lessee:	Sri. K.ganesan, managing partner Alanthuraiyarkattalai Limestone mine

	<p>Owner:</p> <p>Agent:</p> <p>Manager:</p> <p>Engineer:</p> <p>Geologist:</p>	<p>No.2/51, Middle street, A.Panangur, Alanthuraiyarkattalai, Ariyalur dt -621701</p> <p>Sri. K.ganesan, managing partner</p> <p>NIL</p> <p>NIL</p> <p>NIL</p> <p>NIL</p>
6	Date of Approval of Mining Plan/Modified Mining Plan with five – year period and specific condition in approval letter, if any.	<ol style="list-style-type: none"> 1. TN/PBR/MP/LST/1260/SZ Dated 23.05.2001 2. TN/PBR/MP/LST/1592A/SZ Dated 12.08.2005
	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five – year period and specific condition in approval letter, if any.	1.TN/ALR/LST/ROMP-1594.MDS, Dated 27.03.2019

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

S. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	No proposal given for 2023-24.	Nil	Mine not in operation since 2016 onwards due to EC problem.
1b	Exploration over lease area for Geological axis 1 or 2.	NIL	NIL	Mine not in operation since 2016 onwards due to EC problem. Area already explored to 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	Area has already explored to G1 level.
1e	Balance reserves as on 01.04.2024 (111 Category)	2.70 Lakhs tonnes(111) category..	—	Cement grade limestone. The mine is not in operation since 2016 onwards.
1f	General comments of inspecting officer on geology, exploration etc.	-	-	Cement grade limestone.Mine is not in operation since 2016 onwards.

DEVELOPMENT

S. No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	No proposal for 2023-24 , as no document approved for the period .	NIL	The mine is not in operation since 2016 onwards.
2b	Separate benches in topsoil, overburden and minerals (Rule 13 of MCDR-2017)	NIL	Separate benches exist	The mine is not in operation since 2016 onwards.
2c	Stripping ratio or ore to OB ratio	NIL	NIL	The mine is not in operation since 2016 onwards.
2d	Quantity of topsoil generation in m3	NIL	NIL	The mine is not in operation since 2016 onwards..
2e	Quantity of overburden generation in m3	NIL	NIL	The mine is not in operation since 2016 onwards..
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.	--	--	The mine is not in operation since 2016 onwards.

EXPLOITATION

S. No.	Item	Proposals	Actual Work	Remarks
3a	Number of Pit proposed for production	NIL	Two pits exist.	The mine is not in operation since 2016 onwards.
3b	Quantity of ROM mineral production proposed	No proposal given during 2023-24.	NIL	The mine is not in operation

				since 2016 onwards.
3c	Recovery of salable/usable mineral from ROM production	NIL	NIL	The mine is not in operation since 2016 onwards.
3d	Quantity of mineral reject generation	NIL	NIL	The mine is not in operation since 2016 onwards.
3e	Grade of mineral rejects generation and threshold value declared.	NIL.	No rejects generation	The mine is not in operation since 2016 onwards.
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	No subgrade mineral generation	No subgrade mineral generation	NIL
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized	NIL	The mine is not in operation since 2016 onwards..
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	The mine is not in operation since 2016 onwards.
3k	Provision of mining machineries in mineral benches	NIL	Bench width sufficient for deployment of HEM machinery.	Mine not in operation since 2016 onwards
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in RoMP	NIL	4 - 5 m height benches made.	Mine not in operation since 2016 onwards
3m	Total area covered under excavation/pits	3.44 Ha	Nil	Mine not in operation since 2016 onwards
3n	Ore to OB ratio for the pit/mine during the year.	NIL	NIL	Mine not in operation since 2016 onwards
3o	Total area put in use under different heads at the end of year	NIL	3.37 Hc	Mine not in operation since 2016 onwards

3p	Production of ROM mineral during the last five-year period as applicable	2018-19 : NIL	2018-219: NIL	Mine not in operation since 2016 onwards.
		2019-20 :62096 Tonnes	2019-20 - NIL	
		2020-21 : 63928 tonnes	2020-21 ; NIL	
		2021-22 : 60808 tonnes	2021-22 : NIL	
		2022-23 : 43200 tonnes	2022-23 : NIL	
		2023-24 : NIL	2023-24 : NIL	
3q	General remarks of inspecting officers on method of mining etc.	-	-	Mine not in operation since 2016 onwards

SOLID WASTE MANAGEMENT-DUMPING

S. No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 36,37)	No proposals/No valid document for the period 2023-24.	NIL	Mine not in operation since 2016 onwards
4b	Location of topsoil, OB and mineral reject dumps	No proposals/No valid document for the period 2023-24.	NIL	Mine not in operation since 2016 onwards
4c	Number of dumps within lease area and outside of lease area	One	One	Within lease area along lease boundary.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Within UPL	NIL
4e	Number of active and alive dumps.	NIL	One	Mine not in operation since 2016 onwards
4f	Number of dead dumps.	Nil	Nil	NIL
4g	Number of dumps established.	NIL	Nil	Mine not in operation since 2016 onwards
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	NIL
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	--	--	Mine not in operation since 2016 onwards

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.	No valid document/proposal during 2023-24.	Mineral not exhausted.	Mine not in operation since 2016 onwards.
5b	Area under backfilling of mined out area	No valid document/proposal during 2023-24.	Nil	Mine not in operation since 2016 onwards.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No valid document/proposal during 2023-24.	NIL	Mine not in operation since 2016 onwards
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc	--	--	Mine not in operation since 2016 onwards

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)	NIL	Not submitted.	Mine not in operation since 2016 onwards
6b	Area available for rehabilitation (ha).	NIL	Nil	Mine not in operation since 2016 onwards
6c	Afforestation done (ha).	No proposal during 2023-24	NIL	Mine not in operation since 2016 onwards
6d	No. of saplings planted during the year	No proposal during 2023-24	NIL	Mine not in operation since 2016 onwards
6e	Cumulative no. of plants	--	375approx.	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	Mine not in operation since 2016 onwards
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	--	Mine not in operation since 2016 onwards

MINERAL CONSERVATION

S. No.	Item	Proposals	Actual Work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL.	NIL	Mine not in operation since 2016 onwards
7b	Method of grade wise mineral sorting i.e. manual or mechanical.	No grade wise separation.	NIL	Mine not in operation since 2016 onwards
7c	Different grade of mineral sorted out at mines.	Cement grade	NIL	Nil
7d	Any beneficiation process at mines	Nil	Nil	No beneficiation or sorting proposed or carried out.
7e	General remarks of inspecting officer on mineral conservation and beneficiation issues.	—	—	Mine not in operation since 2016 onwards

ENVIRONMENT

S. No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	Mine not in operation since 2016 onwards
8b	Concurrent use or storage of topsoil	NIL	NIL	Mine not in operation since 2016 onwards
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Separate dump maintained	Mine not in operation since 2016 onwards
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	Mineral not exhausted.	Mine not in operation since 2016 onwards
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	375 saplings approximately including plantation outside MI area .	Mine not in operation since 2016 onwards
8g	Survival rate	NIL	70%	Mine not in operation since 2016 onwards
8h	Water sprinkling on roads to control airborne dust	NIL	NIL	Mine not in operation since 2016 onwards.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	--	--	Mine not in operation since 2016 onwards

COMPLIANCE UNDER RULE-45

S. No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted.	Returns submitted .	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer – NIL Mine Manager – R. Raghuraman Geologist- S.M.chandrasekhar.	Given in Part I, Sl No 7-9.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	i) Already Exploited & Abandoned by Opencast Workings - 0 ha (ii) Covered under current Workings - 0 ha (iii) Reclaimed / Rehabilitated – 0 (iv) Used for Waste Disposal – 0.178 ha (v) Occupied by plant, buildings, residential, welfare buildings & Roads - 0 (vi) Other Purpose (Green belt, Road, area, Non-Mineral Bearing Land for future dumps, afforestation, Infrastructure) – 0 ha	Given in Part-I, Sl No 12.	Mine not in operation since 2016 onwards. Lesse advised to furnish details correctly.
9d	Scrutiny of Annual return on afforestation	No. of Trees planted within the Lease Area during - 135 nos. Outside lease area -96 Survival Rate - 73%	Given in Part V, Sl No 5.	Mine not in operation since 2016 onwards.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	Given in Part V, Sl No 3.	Mine not in operation since 2016 onwards
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL. No ROM production and dispatches.	Given in Part VI, Sl 2 & 3(ii)	Mine not in operation since 2016 onwards
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	No production during 2023-24	Given in Part VI, Sl.no. 2	Mine not in operation since 2016 onwards
9h	Scrutiny of Annual return on fixed assets	Rs. 1297931	Given in Part II A	Mine not in operation since

				2016 onwards
9i	Scrutiny of Annual return on mining machineries	Machinery details not given.	No machinery found	Mine not in operation since 2016 onwards

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:

(D.Chandrasekhar Reddy)
Assistant Mining Engineer.
 Indian Bureau of Mines