

**MCDR INSPECTION REPORT****PERIYANAGALUR WEST LIMESTONE MINE**

Name of the inspecting officer, designation	Shri.Surendra Singh Shekhawat, Jr.Mining Geologist
Date of inspection:	1/3/2025
Accompanied mine official and designation	Mr.K.Abraham & Mr.P.Senthamilselvan Mine Manager & Geologist

Mine file No.

S.N.	Particulars	
1	Name of the Mine	Periyaganalur West Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	17.36.0 Ha (Non forest Land)
3	Mine code	38TMN38045
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/638/2011
5	Name of the lessee, Address, phone, email and fax number	Periyaganalur West Limestone Mine, M/s. The Ramco Cements Limited, Govindapuram Works, Sendurai Road, Ariyalur District. Phone No: 044-28477504 Fax No: 28478676 Email id: magesh@ramcocements.co.in
6	Village	Periyaganalur
7	Taluka/Mandal	Ariyalur
8	District	Ariyalur
9	Pin code	621713
10	State	TamilNadu
11	Post office	V.Kaikatti
12	Nearest police station	Kairulabad
13	Nearest Railway station	Ariyalur
14	Date of Grant of Mining Lease	12/23/2016
15	Date of Execution	1/10/2017
16	Date of opening of Mine	5/18/2018
17	Date of first Renewal, if applicable and its period & expiry	Nil
18	Date of second Renewal, if applicable and its period & expiry	Nil

19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Nil
20	Name of the Nominated Owner with Address, phone, email, fax number and Date of appointment	Shri.P.R. Venketrama Raja, The Ramco Cements Limited, Auras Corporate Centre, No:98A, 5 <sup>th</sup> Floor, Mylapore, Chennai. Telephone No: 044-28478666 Fax No: 28478676
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri.Madhusudan Kulkarni, SVP (Manufacturing)/Agent M/s. The Ramco Cements Limited, Govindapuram Works, Sendurai Road, Ariyalur. Phone No: 044-28477504 Fax No: 28478676 madhusudan.k@ramcocements.co.in Date of Appointment: 16/09/2019
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri.K.Abraham, M/s. The Ramco Cements Limited, Govindapuram Works, Sendurai Road, Ariyalur. Phone No: 044-28477504 Fax No: 28478676 abraham@ramcocements.co.in Date of Appointment: 18/05/2018
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri.M.Muralidharan Dip. Mining Engineer, M/s. The Ramco Cements Limited, Govindapuram Works, Sendurai Road, Ariyalur. Phone No: 044-28477504 minesary@ramcocements.co.in Date of Appointment: 05/07/2022
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri.P.Senthamilselvan M/s. The Ramco Cements Limited, Govindapuram Works, Sendurai Road, Ariyalur. Mobile No: 9788859706

		thamizh@ramcocements.co.in Date of Appointment: 18/05/2018
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan Approval Letter No. TN/ALR/MP/LST-1974.MDS date: 23/05/2016
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	1.Modification to the approved Mining Plan approval Letter No. TN/ALR/LST/MP-2044.MDS dated: 04.04.2018. 2.Modification to the approved Mining Plan approval Letter No. TN/ALR/LST/MMP-2072.MDS dated: 07.01.2021. 3.Review of Mining Plan approval Letter No. TN/ALR/LST/RoMP-1642.MDS dated: 23.02.2021.
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast,Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	“A” category Fully Mechanised
30	Captive/Non Captive	Captive Purpose

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining.  
(Duplication of information in existing TMIS data sheets and draft write up has been

## II - OBSERVATION AND COMMOND OF INSPECTING OFFICER

### Exploration

S.No	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2023-24	2023-24	
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	Nil	Already the area had been explored by State Government under G1 category
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	Nil	
1e	Balance reserves as on 01.04.2024 (111+121 Category)	5.66 Million Tons	5.66 Million Tons	
1f	General comments of inspecting officer on geology, exploration etc.	Not applicable	Not applicable	

	Total Exploration carried out so far	Nil	Nil	
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#### Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (Ref With Grid)	N-180 to N-459 & E- 289 to E-338	N-180 to N-459 & E- 289 to E-338	As per Mining Plan (Topsoil)
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No proposal	Nil	As per Mining Plan
2c	Stripping ratio or ore to OB ratio	1:0.08	1:0.08	As per Mining Plan
2d	Quantity of topsoil generation in m <sup>3</sup>	15750	14810	As per Mining Plan
2e	Quantity of overburden generation in m <sup>3</sup>	No proposal	Nil	Other than Topsoil, there is no over burden in the ML area
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Not applicable	Not applicable	

#### Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	Single pit operation	Single pit operation	Done as per the proposal
3b	Quantity of ROM mineral production proposed	299970 Tons	299888.66 Tons	Withn the limit
3c	Recovery of salable/usable mineral from ROM production	100 % mineral recovered from ROM (299970 Tons)	100 % mineral recovered from ROM (299888.6	Done as per the proposal
3d	Quantity of mineral reject generation	Not Applicable as we proposed to consume on ROM (Run of Mine) basis	As proposed, consumed on ROM (Run of Mine) basis	Not applicable
3e	Grade of mineral reject generation and threshold value declared	Not Applicable as we proposed to consume on ROM (Run of Mine) basis	As proposed, consumed on ROM (Run of Mine) basis	Not applicable
3f	Quantity of sub-grade mineral generation	Not Applicable as we proposed to consume on ROM (Run of Mine) basis	As proposed, consumed on ROM (Run of Mine) basis	Not applicable
3g	Grade of sub-grade mineral generation	Not Applicable as we proposed to consume on ROM (Run of Mine) basis	As proposed, consumed on ROM (Run of Mine) basis	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Not Applicable	Not Applicable	Not applicable

3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	Nil
3j	Provision of drilling & blasting in mineral benches	Yes, Proposed to carryout Drilling & Blasting	Adopted conventional method of mining using controlled blasting techniques	As per the mining plan Drilling ans Blasting is being done
3k	Provision of mining machineries in mineral benches	Pneumatic drilling machine & compressor – 1 No Excavator-EX-200 - 1 No's Tipper – 7 No's Water Tanker – 1 No	Pneumatic drilling machine & compressor – 1 No Excavator-EX-200 - 1 No's Tipper – 7 No's Water Tanker – 1 No	As per Plan
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	The height of the benches is proposed to maintain at height of 6.0 meters	height of the bench is maintained as 6.0 m	As per Plan
3m	Total area covered under excavation/pits	9.17.0 Ha	9.17.0 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.08	1:0.08	
3o	Total area put in use under different heads at the end of year	Activities	Area use at the end of approved plan period (in Ha)	Area use at the end of year 2023-24 (in Ha)
		Area under mining	9.17.0	9.17.0
		Storage for top soil	0.00.0	0.00.0
		Overburden / dump	0.00.0	0.00.0
		Mineral Storage	0.00.0	0.00.0
		Infrastructure (workshop, administrative building)	0.20.0	0.20.0
		Roads	0.50.0	0.50.0
		Railways	0.00.0	0.00.0
		Tailing pond	0.00.0	0.00.0
		Area Backfilled	0.00.0	0.00.0
		Others to be specified (green belt etc.,)	7.49.0	7.49.0
	<b>Total</b>	<b>17.36.0</b>	<b>17.36.0</b>	
3p	Production of ROM mineral during last five-year period, as applicable	2023-24 - 299970Tons	299888.66 Tons	Maintained within the approved Quantity
		2022-23 - 299940Tons	299937.32 Tons	
		2021-22 - 299300Tons	299289.65 Tons	
		2020-21 - 299552 Tons	299538.07 Tons	
		2019-20 - 299896 Tons	299888.70 Tons	

3q	General Remarks of inspecting officer on method of mining etc.	Nil	Nil	
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Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No proposal of dumping of topsoil, OB & mineral reject	Nil	As per Plan
4b	Location of topsoil, OB & mineral reject dumps ( <b>Ref to Grids</b> )	Nil	Nil	-
4c	Number of dumps within lease area and outside lease area	Nil	Nil	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	-
4e	Number of active & alive dumps	Nil	Nil	-
4f	Number of dead dumps	Nil	Nil	-
4g	Number of dumps stabilised	Nil	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	-
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	-
4j	Number of settling ponds	Nil	Nil	-
4k	Specific comments of inspecting officer on waste dump management	Nil	Nil	

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	Mine started in may 2018 & No area is available where mineral is exhausted fully.	Mine started in may 2018 & No area is available where mineral is exhausted fully.	Nil
5b	Area under backfilling of mined out area	Not applicable	Not applicable	There is no proposal of backfilling as the entire pit will be converted in to reservoir as proposed in the plan
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	Nil

5d	Total area fully reclaimed & rehabilitated	Not applicable	Not applicable	There is no proposal of backfilling as the entire pit will be converted in to reservoir as proposed in the
5e	General Remarks of inspecting officer on backfilling, reclamation etc	Not applicable	Not applicable	

#### 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)	Proposal as cited in the Mining plan	Submitted the PMCP report vide Rule 23 E(2) of MCDR 2017	
6b	i) Area available for rehabilitation (ha)	Nil	Nil	
6c	<b>Afforestation done (ha)</b>	0.30.0 Ha	0.30.0 Ha	In peripheral barrier
6d	<b>No. of saplings planted during the year</b>	300 No's	500 No's	As per Plan
6e	<b>Cumulative no. of plants</b>	1600	3050 No's	As per Plan
6f	<b>Any other specific method of rehabilitation</b>	Nil	Nil	No proposal
6g	<b>Cost incurred on watch &amp; care during the year</b>	Nil	0.50 Lakhs	As per Plan
6i	Compliance on reclamation and rehabilitation by backfilling (ii)Void filled by waste/tailings	Not applicable	Not applicable	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on the backfilled area	Not applicable	Not applicable	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling <b>(iv) Rehabilitation by making water reservoir</b>	Not applicable	Not applicable	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling <b>(v) Any other specific means</b>	Not applicable	Not applicable	Not applicable
6m	Compliance of Rehabilitation of waste land within lease <b>i) Afforestation</b>	Not Applicable	Not Applicable	No land available
6n	Compliance of Rehabilitation of waste land within lease <b>ii) Area rehabilitated (ha)</b>	Not applicable	Not applicable	No land available

6o	Compliance of Rehabilitation of waste land within lease <b>iii) Method of rehabilitation</b>	Nil	Nil	Nil
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Propose to carryout Environmental monitoring both Core and Buffer Zones	M/s Ensyscon Environmental laboratory, Chennai has been engaged for monitoring Environmental Data on	Is being done Quarterly basis
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Nil	Nil	

Mineral Conservation : Nil, As all ROM is transported to cement plant located at Govindapuram

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposed to dispatch on ROM basis	Done as per Proposal on ROM basis	As per Plan
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Applicable as we proposed to consume on ROM (Run of Mine) basis	As proposed, consumed on ROM (Run of Mine) basis	-
7c	Different grade of mineral sorted out at mines			
7d	Any beneficiation process at mines			
7e	General Remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil	Nil	

Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed to use the topsoil for development of Green belt on the MLB, Safety Barrier etc.,	Topsoil has been used for development of Green belt on the Mining Lease Boundary, Safety Barrier etc.,	As per Plan
8b	Concurrent use or storage of topsoil			As per Plan
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No dumps proposed	There is no overburden in the entire Mining Lease Area	No overburden hence no dumps
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	There is no overburden in the entire Mining Lease Area



8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	Mine started in may 2018. Hence no reclamation work started
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Within the lease area – 300 No's	Within the lease area – 500 No's	As per Plan
8g	Survival rate	Proposed to maintain 90%	90%	-
8h	Water sprinkling on roads to control airborne dust	Propose to engage Water Tanker for control airborne dust	10000 Liters water tanker is being engaged for sprinkling to control	-
8i	General Remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Nil	

Compliance of Rule 45 (2018-2019)

S.N.	Item	Comments		Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto November- 2024 A.R. submitted up to -2023-24		
S.No.	Item			
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - M.Muralidharan Geologist - P.Senthamilselvan Mine Manager - K.Abraham	Provided in Part-I and para 7,8 & 9	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Activities	Area use at the end of year 2023-24 (in Ha)	Provided in Part-I and para 12
		Area under mining	9.40.0	
		Storage for top soil	0.00.0	
		Overburden / dump	0.00.0	
		Mineral Storage	0.00.0	
		Infrastructure (workshop, administrative building)	0.20.0	
		Roads	0.50.0	
		Railways	0.00.0	
		Tailing pond	0.00.0	
		Effluent treatment plant	0.00.0	
		Mineral separation plant	0.00.0	
		Township area	0.00.0	
Area Backfilled	0.00.0			

		Others to be specified (green belt etc.,)	7.26.0	
		<b>Total</b>	<b>17.36.0</b>	
9d	Scrutiny of Annual return on afforestation	500 No's	Provided in Part-V and para 4.4	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Provided in Part-V and para 4.2 (B)	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	299888.66 Tons	Provided in Part-VI and para 1 & 2	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-Mine price - Rs.294.71/-	Provided in Part-VI and para 5 and Part-VII	
9h	Scrutiny of Annual return on fixed assets	The information was found correct	Provided in Part-IIA and para 1	
9i	Scrutiny of Annual return on mining machineries <b>Name of the Machinery Capacity</b>	Pneumatic drilling machine & compressor – 450 CUM/MN Excavator-EX-220 - 1.10 CUM Tipper – 7 CUM Water Tanker – 10000 Liters	Provided in Part-V and para 5	

**Details of violations observed during current inspection and compliance position of earlier violation pointed out:-**

<b>violation observed</b>	<b>show cause position</b>
<p><b>Surendra singh shekhawat, junior mining geologist (Name of inspecting officer with designation and date)</b></p>	