

**MCDR INSPECTION REPORT
SOUTH OF SOUTH LIME STONE MINE**

	Name of the inspecting officer Designation	Mr. Surendra Singh Shekhawat, JMG
	Date of inspection:	01/01/2025
	Accompanied mine official and designation	Mr. K. Elansurian (AGM), Mr. J. Ravi (DGM) & Mr. S. Durai Murugan (Sr. DGM)
	Mine file No.	
S.N.	Particulars	
1	Name of the Mine	South of South Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	44.80.5 Ha
3	Minecode	38TMN24056
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/638/2011
5	Name of the lessee, Address, phone, email and fax number	South of South Limestone Mines, The Ramco Cements Limited, Alathiyur Works, Ariyalur District. Pin : 621730 E-mail : ravij@ramcocements.co.in Phone : 04329 - 248305, 248306
6	Village	Manakudayan
7	Taluka/Mandal	Sendurai
8	District	Ariyalur
9	Pin code	621 730
10	State	Tamilnadu
11	Post office	Dalavoi
12	Nearest police station	Dalavoi
13	Nearest Railway station	Echangadu
14	Date of Grant of Mining Lease	13.07.2007
15	Date of Execution	24.11.2008
16	Date of opening of Mine	02.01.2009
17	Date of first Renewal, if applicable and its period & expiry	Not applicable.
18	Date of second Renewal, if applicable and its period & expiry	Not applicable.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable.
20	Name of the Nominated Owner with Address, phone, email, fax number and Date of appointment	P.R.Venkatramarajah, Chairman, Auras Corporate Centre, 98-A, Dr.Radhakrishnan Salai, Mylapore, Chennai-600004. State : Tamilnadu Phone : 04329 - 248305, 248306 E-mail : mclalr@ramcocements.co.in

21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. R. Meenashisundaram, Senior Vice President, The Ramco Cements Limited, Alathiyur Works. District : Ariyalur State : Tamilnadu Pin : 621730 Phone : 04329 - 248305, 248306 E-mail : mclalr@ramcocements.co.in Date : 05/10/2023
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	T. Suresh kumar, South of South Limestone Mine, The Ramco Cements Limited, Alathiyur Works. District : Ariyalur State : Tamilnadu Pin : 621730 Phone : 04329 - 248305, 248306 E-mail : mclalr@ramcocements.co.in Date : 13/05/2022
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	M. Sureshbabu South of South Limestone Mine, The Ramco Cements Limited, Alathiyur Works. District : Ariyalur State : Tamilnadu Pin : 621730 Phone : 04329 - 248305, 248306 E-mail : mclalr@ramcocements.co.in Date : 21/03/2022
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	K. Elansurian South of South Limestone Mine, The Ramco Cements Limited, Alathiyur Works. District : Ariyalur State : Tamilnadu Pin : 621730 Phone : 04329 - 248305, 248306 E-mail : mclalr@ramcocements.co.in Date : 01/04/2019
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	NA
26	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-1696.MDS Dt : 05/12/2022 (2023-24 to 2027-28)
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open Cast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30	Captive/Non Captive	Captive

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 avoided.)

II - OBSERVATION AND COMMAND OF INSPECTING OFFICER

Exploration (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Mine fully explored G-1 Level	Nil
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Mine fully explored G-1 Level	Nil
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	NA	Mine fully explored G-1 Level
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	NA	Mine fully explored G-1 Level
1e	Balance reserves as on 01.04.2024 (111+121 Category)	41,65,598	33,72,702.16	Not applicable
1f	General comments of inspecting officer on geology, exploration etc.	Not applicable	Not applicable	
	Total Exploration carried out so far			Total 47 Exploration borehole. Drilled with total meterage of 2,668 m.

Development (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (Ref With Grid)	ML 1 - 4	ML 1 - 4	As per proposal
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Topsoil - 1, OB - 1, Mineral - 7	Topsoil - 1, OB - 1, Mineral - 7	Formed as per rule
2c	Stripping ratio or ore to OB ratio	1 : 1.40	1 : 1.16	As per proposal
2d	Quantity of topsoil generation in m ³	20,040 M ³	19,439 M ³	As per proposal
2e	Quantity of overburden generation in m ³	7,09,590 M ³	7,00,537.64 M ³	As per proposal
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Nil	Nil	

Exploitation (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	As per proposal
3b	Quantity of ROM mineral production proposed	9,90,000	7,92,895.84	Total ROM is Used.
3c	Recovery of salable/usable mineral from ROM production	9,90,000	7,92,895.84	100% Recovery
3d	Quantity of mineral reject generation	Nil	NA	No Mineral Reject Generation
3e	Grade of mineral reject generation and threshold value declared	Nil	NA	
3f	Quantity of sub-grade mineral generation	Nil	NA	No Subgrade Mineral Generation
3g	Grade of sub-grade mineral generation	Nil	NA	No Subgrade Mineral Generation
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	NA	Total ROM is used
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	NA	Beneficiation Study is Not Required
3j	Provision of drilling & blasting in mineral benches	Nil	Surface Minor is Deployed.	Surface Minor is Deployed.
3k	Provision of mining machineries in mineral benches	Surface Miner-1, Other HEMM-5, Tipper-7, Water Tanker-1	Surface Miner-1, Other HEMM-5, Tipper-7, Water Tanker-1	Surface Minor operation is in practice for production.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height – 5m, Width – 6m	Height – 5m, Width – 6m	Benches suitable for the method of mining
3m	Total area covered under excavation/pits	20.16	13.167	As per proposal
3n	Ore to OB ratio for the pit/mine during the year	1 : 1.40	1 : 1.16	As per proposal
3o	Total area put in use under different heads at the end of year	Area under Mining-20.16 Topsoil stacking- 1.15 Overburden/Waste Dumping-6.56 Mineral Storage- 0.75, Infrastructure (Workshop, Administrative Building etc.)- 0.25 Roads-0.71 Others to specify-	Covered under current (O/C) Workings – 13.167 OB & Topsoil Dump- 7.069 Reclaimed/ Rehabilitated – 10.191 Occupied by plant, buildings, & roads – 0.96	As per proposal

			9.94		
3p	Production of ROM mineral during last five-year period, as applicable	2019-20	9,98,000	9,32,424	As per proposal
		2020-21	9,92,000	8,87,228	
		2021-22	9,82,000	9,42,173	
		2022-23	9,77,000	7,27,438	
		2023-24	9,90,000	7,92,895	
3q	General Remarks of inspecting officer on method of mining etc.		Nil	Nil	

Solid Waste Management-Dumping (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Topsoil & OB are dumped separately	Topsoil & OB are dumped separately	Separately stacked
4b	Location of topsoil, OB & mineral reject dumps (Ref to Grids)	OB Dump-1 1253900 N-307800 E to 1254200 N-308200 E Topsoil dump & OB Dump-2 1253600 N-308300 E to 1253900 N-308700 E	OB Dump-1 1253900 N-307800 E to 1254200 N-308200 E Topsoil dump & OB Dump-2 1253600 N-308300 E to 1253900 N-308700 E	As per proposal
4c	Number of dumps within lease area and outside lease area	Top soil – 1 OB – 2	Top soil – 1 OB – 2	Dumped within lease area as per proposal
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside Ultimate Pit limit	Outside Ultimate Pit limit	As per proposal
4e	Number of active & alive dumps	3	3	1 – Top Soil 2 – OB
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps Stabilized	Nil	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	As per proposal
4i	Length of Retaining wall or garland drain all along dump	2560 mtr	2560 mtr	Garland drain deslited all along pit and dump
4j	Number of settling ponds	1	1	Settling pond construction cost Rs. 15,000/-.
4k	Specific comments of inspecting officer on waste dump management	Nil	Nil	

Solid Waste Management – Backfilling (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Yes	Yes	
5b	Area under backfilling of mined out area	5.03 Ha	4.875 Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Yes	Yes	Top soil stock for future use of afforestation and reclamation.
5d	Total area fully reclaimed & rehabilitated	Nil	NA	Reclamation work is in progress
5e	General Remarks of inspecting officer on backfilling, reclamation etc.,	Nil	Nil	

Progressive Mine Closure Plan (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly – Rule 23E(2)	Yes	Yes	Submitted to IBM in time
6b	i) Area available for rehabilitation (ha)	Nil	Nil	Mine not Excavated
6c	Afforestation done (ha)	0.04	0.04	-
6d	No. of saplings planted during the year	100	100	-
6e	Cumulative no. of plants	31,777	31,877	-
6f	Any other specific method of rehabilitation	Nil	Nil	-
6g	Cost incurred on watch & care during the year	Nil	Nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Void filled (L x W x D)	5.03 Ha	4.875 Ha	As per Proposal
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings	12,77,262	12,25,978	As per Proposal
6j	(iii) Afforestation on the backfilled area	Nil	NA	As per Proposal
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	After mining is completed will be making water reservoir.	After mining is completed will be making water reservoir.	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Nil	NA	Backfilling work is going on.
6m	Compliance of Rehabilitation of waste land within lease i) Afforestation	Nil	Nil	Planted in safety zone

6n	Compliance of Rehabilitation of waste land within lease ii) Area rehabilitated (ha)	Nil	Nil	
6o	Compliance of Rehabilitation of waste land within lease iii) Method of rehabilitation	Nil	Nil	
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	All the monitored values are within limit. Quarterly Reports submitted to IBM regularly.
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Nil	Nil	

Mineral Conservation (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Grade wise sorting carried out	As proposed
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised	Mechanised	Using Surface Miner
7c	Different grade of mineral sorted out at mines	High Grade, Low grade, Very low grade, Very very low grade	High Grade, Low grade, Very low grade, Very very low grade	As proposed
7d	Any beneficiation process at mines	Yes .Wet Beneficiation Technology is proposed	Being carried out as per proposal.	As per proposal
7e	General Remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil	Nil	

Environment (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	As per proposal
8b	Concurrent use or storage of topsoil	Nil	NA	Top soil stored for future use.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Dump-1 1253900 N-307700 E to 1254200 N-308100 E Dump-2&3 1253600 N-	Dump-1 1253900 N-307700 E to 1254200 N-308100 E Dump-2&3 1253600 N-	As per proposal

		308400 E to 1253900 N- 308700 E	308400 E to 1253900 N- 308700 E	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	The OB & IB are simultaneous backfilled and dump	The OB & IB are simultaneous backfilled and dump	The OB & IB are simultaneous backfilled and dump
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	NA	Mine not Exhausted
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	-	Within Lease - 31,877 Outside Lease- 2500	
8g	Survival rate	-	85 %	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	Water sprinkling is being done with high pressurized water tanker
8i	General Remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Nil	

Compliance of Rule 45

S.N.	Item	Details given in Annual Return	Comment by Inspection Officer	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted for the year 2023-24		Submitted in time
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Geologist- J.Ravi DOA-01/04/2019 Mining Engineer – M.Suresh Babu DOA-21/03/2022 Mines Manager- T.Suresh kumar DOA-13/05/2022		as per Rule
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings – 13.167 OB & Topsoil Dump- 7.069 Reclaimed/ Rehabilitated – 10.191 Occupied by plant, buildings, & roads – 0.96		as per Rule

9d	Scrutiny of Annual return on afforestation	100		as per Rule
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No reject		as per Rule
9f	Scrutiny of Annual return on ROM stock and/or graded ore	22694.300 tonnes		as per Rule
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Rs. 283.91		as per Rule
9h	Scrutiny of Annual return on fixed assets	Furnished jointly for 6 mining leases along with 38TMN38006		as per Rule
9i	Scrutiny of Annual return on mining machineries Name of the Machinery Capacity	Surface Miner-1, Other HEMM-5, Tipper-7, Water Tanker-1		as per Rule
Details of violations observed during current inspection and compliance position of earlier violation pointed out:-				
violation observed		show cause position		
(Surendra Singh Shekhawat), Junior Mining Geologist (Name of inspecting officer with designation and date)				