

MCDR INSPECTION REPORT

	Name of the Inspecting officer	ARUN VIVEK . V Junior Mining Geologist
	Date of Inspection	04.10.2024
	Accompanying mine official with designation	-
General		
S. No.	Particulars	Details
1	Name of the Mine	Kallankurichi Limestone Mine G.O.Ms.No.456, Industries (M2) Department, dated: 16.05.1985
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	194.16.5 Hect. (Non Forest area)
3	Minecode	39TMN38018
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM /7446/2011
5	Name of the lessee, Address, phone, email and fax number	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
6	Village	Kallankurichi, Khairulabad, Periyanaalur & Ameenabad
7	Taluka/Mandal	Ariyalur
8	District	Ariyalur
9	Pincode	621 729
10	State	Tamilnadu
11	Post office	Kayarlabath
12	Nearest police station	Ariyalur
13	Nearest Railway station	Ariyalur
14	Date of Grant of Mining Lease	16.05.1985
15	Date of Execution	13.11.1985
16	Date of opening of Mine	13.11.1985
17	Date of first Renewal, if applicable and its period & expiry	-
18	Date of second Renewal, if applicable and its period & expiry	-
19	Date of Third Renewal, if applicable and its period & expiry	-
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Ajay Yadav, IAS Managing Director, M/s.Tami Nadu Cements Corporation Limited (TANCEM), 5th Floor, Aavin Illam, No.3A, Pasumpon Muthuramalingam Salai, Nandanam, Chennai – 600 035. Email ID: ps2mdoffice@gmail.com

21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr.T. Ravichandran, Deputy General Manager, M/s.Tami Nadu Cements Corporation Limited (TANCEM), Ariyalur-621729 Cell: 9095099647 Email ID: acwmines@gmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr.T. Santhakumar Deputy Manager, M/s.Tami Nadu Cements Corporation Limited (TANCEM), Ariyalur-621729 Cell: 9047872442 Email ID: acwmines@gmail.com
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr.R. Rajkumar, Assistant Manager, M/s.Tami Nadu Cements Corporation Limited (TANCEM), Ariyalur-621729 Cell: 9047090398 Email ID: acwmines@gmail.com
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mr.S. Prasad, Assistant Manager, M/s.Tami Nadu Cements Corporation Limited (TANCEM), Ariyalur-621729 Cell: 9566947917 Email ID: acwgeology@gmail.com
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	TN/ALR/MP/LST-1795-SZ/399, Dated: 12.07.2012.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	MS- TN/ALR/LST/MS-1268.MDS, Dated 16.11.2015 [2015-16 TO 2019-20] ROMP- TN/ALR/LST/ROMP-1596-MDS, Dated 15.09.2020 [2020-21 TO 2024-25] MMP- TN/ALR/LST/MMP-2115.MDS, Dated 15.03.2024 [2024 TO 2025]
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)	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.)

Exploration (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
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1a	Backlog of previous year	Nil	Nil	-
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	The area is fully explored under G1 category
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	Geo Exploration and Mining Solution conducted total No.of 11 Core drills with 328mtrs depth completed during the year 2022.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Nil
1e	Balance reserves as on 31.03.2024	33636284	18.43	Very less compared to the proposed.
1f	General remarks of inspecting officer on geology, exploration etc.	Nil	Nil	Nil

Development (2023-24)

S.No	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Block-1 Centre 11° 9'30.34"N 79° 6'35.69"E 11° 9'30.50"N 79° 6'44.67"E Block-3 NorthWest 11° 8'14.63"N 79° 7'45.35"E 11° 8'13.35"N 79° 7'58.34"E Block-4 Centre 11° 7'51.79"N 79° 7'51.44"E 11° 7'45.31"N 79° 7'56.26"E	Block-1 Centre 11° 9'30.34"N 79° 6'35.69"E 11° 9'30.50"N 79° 6'44.67"E Block-3 NorthWest 11° 8'14.63"N 79° 7'45.35"E 11° 8'13.35"N 79° 7'58.34"E Block-4 Centre 11° 7'51.79"N 79° 7'51.44"E 11° 7'45.31"N 79° 7'56.26"E	Work had carried out in Block-1,3,4
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Yes	Work had carried out in Block-1,3,4
2c	Stripping ratio or ore to OB ratio	1:0.0	1:0.0	Work had carried out in Block-1,3,4
2d	Quantity of topsoil generation in m3	29097	29097	Work had carried out in Block-1,3,4
2e	Quantity of overburden generation in m3	Nil	Nil	No overburden had in the lease area
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Nil	Nil	Nil

Exploitation (2023-24)

S.No	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for	Block1(Pit-4),	Block1(Pit-4),	Work had

	production	Block3(Pit 1,2), Block4(Pit 2)	Block3(Pit 1,2), Block4(Pit 2)	carried out in Block-1,3,4
3b	Quantity of ROM mineral production proposed	1251040	900637.48	<i>Violation letter issued</i>
3c	Recovery of salable/usable mineral from ROM production	1251040	900637.48	<i>Violation letter issued</i>
3d	Quantity of mineral reject generation	Nil	Nil	It is a 100% recovery there is no mineral reject
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	It is a 100% recovery there is no mineral reject
3f	Quantity of sub-grade mineral generation	Nil	Nil	It is a High- grade generation
3g	Grade of sub-grade mineral generation	Nil	Nil	It is a High- grade generation
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized	Mechanized	Nil
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	Nil	Nil	Nil
3k	Provision of mining machineries in mineral benches	Yes	Yes	Machineries has been used
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	No overburden is occurred
3m	Total area covered under excavation/pits		82.2 Ha	
3n	Ore to OB ratio for the pit/mine during the year	Nil	-	-
3o	Total area put in use under different heads at the end of year	90.94 Ha	90.94 Ha	Nil
3p	Production of ROM mineral during last five-year period, as applicable	2020-21-785452Ts 2021-22-133756Ts 2022-23-134291Ts	2020-21 785452Ts 2021-22- 1337568 Ts 2022-23- 1342912 Ts	Proposed quantity had carried out
3q	General remarks of inspecting officer on method of mining etc.	Nil	Nil	Nil
Solid Waste Management-Dumping (2023-24)				
S.No	Item	Proposals	Actual work	Remarks

4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Proposed Topsoil Temporary Dump-1 100m*100m*5m	Topsoil had utilized as afforestation purpose	-
4b	Location of topsoil, OB & mineral reject dumps	East 11° 8'5.16"N 79° 7'35.07"E 11° 8'4.13"N 79° 7'38.74"E	Topsoil had utilized as afforestation purpose	-
4c	Number of dumps within lease area and outside lease area	1	Topsoil had utilized as afforestation purpose	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	Nil
4e	Number of active & alive dumps	1	Nil	Nil
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps stabilized	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Nil	Retaining Wall proposed for dump but not carried out
4i	Length of Retaining wall or garland drain all along dump	Retaining wall – 378m	Nil	Retaining Wall proposed for dump but not carried out
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Nil	Nil	Nil

Solid Waste Management-Backfilling (2023-24)				
S.No	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Mineral not exhausted fully	Not Applicable	Mineral not exhausted fully
5b	Area under backfilling of mined out area	Nil	Nil	Not Applicable
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	Topsoil had utilized for Afforestation
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	Not Applicable
5e	General remarks of inspecting officer on backfilling, reclamation etc	Nil	Nil	Nil

Progressive Mine Closure Plan (2023-2024)				
S.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly –Rule 23E(2)	Yes	Submitted in time	Nil
6b	i) Area available for rehabilitation (ha)	Nil	Nil	Afforestation area had carried out
6c	Afforestation done (ha)	2.80ha	2.80ha	Afforestation area had carried out
6d	No. of saplings planted during the year	3110	3110	Afforestation area had carried out
6e	Cumulative no. of plants	-	-	Nil
6f	Any other specific method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch & care during the year	Nil	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling Voids available for backfilling (LxBxD)	Nil	Nil	No backfilling has proposed
6i	Compliance on reclamation and rehabilitation by backfilling (ii)Void filled by waste/tailings	Nil	Nil	No backfilling has proposed
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on the backfilled area	Nil	Nil	Mineral not Exhausted
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Mineral not Exhausted
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Nil	Nil	Mineral not Exhausted
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 rehabilitated (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 & buffer zone)	Nil	Nil	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Nil	Nil	Nil

Mineral Conservation (2023-24)				
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	Nil	Nil	Nil
Environment (2023-24)				
S.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	Topsoil had utilized for Afforestation
8b	Concurrent use or storage of topsoil	Nil	Nil	Topsoil had utilized for Afforestation
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps 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 & additional plantation done (Rule 41)	Nil	Nil	Nil
8g	Survival rate	-	-	Nil
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	Water sprinkling on roads had carried out
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Nil	Nil

Compliance of Rule 45				
S.No.	Item	Comments	Remarks	S.N.
9a	Status of submission of Monthly and Annual returns	Submitted in Time	M.R. Submitted upto Date 2023-24. A.R. submitted upto date 2023-24	Nil

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer-9 Geologist – 1	Mining Engineer-9 Geologist – 1	-
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 & 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 & production cost	Production cost- Rs.375/ton Sale value- Rs.420/ton	Production cost- Rs.375/ton Sale value- Rs.420/ton	Nil
9h	Scrutiny of Annual return on fixed assets	Rs.153766981	Rs.153766981	Nil
9i	Scrutiny of Annual return on mining machineries	Shovel-2 Other Heavy Machinery -2 Tipper-5	Shovel-2 Other Heavy Machinery -2 Tipper-5	Nil

Details of violations observed during current inspection and compliance position of earlier violation pointedout:-

Violation observed			Show cause position		
Rule	Issued on	Compliance on	Rule	Issued on	Compliance on
11(1)	29/10/2024				
					Arun Vivek V Junior Mining Geologist IBM Chennai 10/12/2024
					(Name of inspecting officer with designation and date)