

MCDR INSPECTION REPORT**General**

S.N.	Particulars	Details
1	Name of the Mine: Date of Inspection: Name of Inspecting Officer:	Vayalapadi Limestone Mine 19.12.2024 Arun Vivek V Junior Mining Geologist
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-forest land : 4.75.0 Ha, Forest Land: Nil.
3	Mine code	38TMN24031
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/563/2011
5	Name of the Lease, Address, Phone, email and fax number	S.Saravanan, M/s.Sathammai Chemicals Pvt Ltd., 69,Ganapathy Nagar, Thiruvanikovil, Trichy - 620005, Cell:9489201004
6	Village	Vayalapadi
7	Taluka/Mandal	Kunnam
8	District	Perambalur
9	Pin code	621716
10	State	TamilNadu
11	Post Office	Vayalapadi
12	Nearest Police Station	Veppur
13	Nearest Railway Station	Mathur
14	Date of Grant of Mining Lease	15.09.1998
15	Date of Execution	12.03.1999
16	Date of opening of Mine	27.01.2000
17	Date of First Renewal, if applicable and its period & expiry	08 th January - 2018
18	Date of Second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	16.10.2017
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Nil
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	None
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	S.Subramanian, No.69,Ganapathy Nagar, Thiruvanikovil, Trichy - 620005
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Not provided
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Vide Letter No.TN/PT/MP/LST-1058- MDS,Dated.04.11.1997

26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	The Scheme of Mining was approved vide letter no: TN / PBR /LST /MS - 1055. MDS, Dt: 09.05.2014. The Present Review of Mining Plan & PMCP was approved vide letter no: TN/PBR/LST/ROMP – 1726.MDS Dt:24.11.2024
27	Mineral(s) granted in lease and approved for Mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Semi Mechanized
30	Captive/Non-Captive	Captive

Exploration

S.N.	Item	Proposals 2023-24	Actual Work 2023-24	Remarks
1a	Backlog of previous year Proposals (2022-23)	Nil	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	Nil
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	-	-	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not Applicable	Not Applicable	Nil
1e	Balance reserves as on 01.04.2024	414234 Tons	396654	
1f	General remarks of Inspecting officer on geology, exploration etc.	NIL		

Development

Sl.N	Item	Proposals (2023-24)	Actual Work (2023-24)	Remarks
2a	Location of Development w.r.t. lease area	Nil	Nil	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Nil	Nil	Mining is in ore benches so no topsoil generation.
2c	Stripping ratio or ore to OB ratio	Nil	Nil	Nil
2d	Quantity of topsoil generation in m ³	None	None	Nil
2e	Quantity of overburden generation in m ³	None	None	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	NIL		

Exploitation

S.N	Item	Proposals (2023-24)	Actual Work (2023-24)	Remarks
3a	Number of pits proposed for production	2	2	Nil
3b	Quantity of ROM mineral production proposed (2023-24)	40848 tons	17580 tons	Violation letter issued

3c	Recovery of Salable/usable mineral from ROM production	100 %	100 %	Nil	
3d	Quantity of mineral reject generation	Nil	Nil	Nil	
3e	Grade of mineral reject 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 segregation from ROM	Nil	Nil	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Beneficiation proposed	No Beneficiation proposed	Nil	
3j	Provision of drilling & blasting in mineral benches	No	No	Nil	
3k	Provision of mining machineries in mineral benches	Rock Breaker	Rock Breaker	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Nil	
3m	Total area covered under excavation /pits	Mining 3.49.2 Waste dump Office & infrastructure Nil Processing Plant Nil Mineral stack processing Yard Nil Sub grade Mineral stacks Nil Mineral Roads Nil Areas under plantation 0.19.5 Un utilized Area 1.06.3 Total ----- 4.75.0 -----	Mining 3.49.2 Waste dump Office & infrastructure Nil Processing Plant Nil Mineral stack processing Yard Nil Sub grade Mineral stacks Nil Mineral Roads Nil Areas under plantation 0.19.5 Un utilized Area 1.06.3 Total ----- 4.75.0 -----	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	Total area put in use: 3.49.2 ha	Total area put in use: 3.49.2 ha	Nil	
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	2019 - 20	88856	0	Nil
		2020 - 21	43040	0	
		2021 - 22	40560	2810	
		2022 - 23	40000	38180	
		2023 - 24	40848	17580	
3q	General remarks of inspecting officer on method of mining etc	NIL			

Solid Waste Management-Dumping

S.N.	Item	Proposals (2023-24)	Actual Work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Not Applicable	Not Applicable.	Nil
4b	Location of topsoil, OB & mineral reject dumps	Nil	Nil	Nil
4c	Number of Dumps within lease area and outside lease area	Nil	Nil	No generation of waste and sub grade Material.
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	None	None	Nil
4e	Number of Active & Alive dumps	None	None	Nil
4f	Number of dead dumps	None	None	Nil
4g	Number of dumps established	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	No	No	Nil
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	NIL		

Solid Waste Management - Backfilling

S.N.	Item	Proposals (2023-24)	Actual Work (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	The pit will be converted as water reservoir.
5b	Area under backfilling of mined out area	Nil	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	Nil
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	NIL		

Progressive Mine Closer Plan

S.N.	Item	Proposals (2023-24)	Actual Work (2023- 24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 23E (2). Details should be given in the format as given in Annexure-20	Yes	Yes	Nil
6b	Management of worked/mined out benches			Nil
	Area available for rehabilitation (Ha)	Nil	Nil	Nil

	Afforestation done (ha)	0.01.0 ha	0.19.50 ha	Nil
	No. of saplings planted during the year	17	50 saplings	Nil
	Cumulative no. of plants	-	250 saplings Approx.	Nil
	Any other specific method of rehabilitation	No	No	Pit will be converted as water reservoir.
	Cost incurred on watch & care during the year	1.20 lakhs	1.2 Lakhs	Nil
6c	Compliance on reclamation and rehabilitation by backfilling Voids available for backfilling (L*B*D) Void filled by waste/tailings Afforestation on the backfilling Rehabilitation by making water reservoir Any other specific means	No	No	Nil
6d	Compliance of Rehabilitation of waste land within lease Afforestation Area rehabilitation method of rehabilitation	No	No	Nil
6e	Compliance of Environment monitoring (core zone & buffer zone)	Quality of air	Proposed to monitor the following parameters PM<10 PM<2.5 SO2 NOX	The following parameters are being monitored and all are within the prescribed limits. PM<10 -47.0 to 36.0 µg/m ³ PM<2.5 - 18.0 to 24.0 µg/m ³ SO ₂ - 7.0 – 8.0 µg/m ³ NO _x - 7.0 – 14 µg/m ³ Water monitoring is being done Monitored as per the circular.
		Quality of Water	pH 7.57, Dissolved Solids – 4.3mg – 4.7 mg, etc.,	
		Noise level	Day Time – Loading Area 33.7 – 87.9, Haul Road – 34.1 – 88.7	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	NIL		

Mineral Conservation

S.N.	Item	Proposals (2023-24)	Actual Work (2023-24)	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 sort out at mine	Nil	Nil	Nil
7d	Any beneficiation process at mines	No beneficiation	No beneficiation	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	NIL		

Environment

S.N.	Item	Proposals (2023 -24)	Actual Work (2023 -24)	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	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)	No	No	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	Pit will be converted as water reservoir.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	-	100 nos	NIL
8g	Survival rate	70%	70 %	NIL
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	NIL		

Compliance of Rule 45

SN	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly Return Submitted up to – November - 2024	Nil
		Annual Return submitted up to- Year- 2023 - 24.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Submitted Annual Return	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Submitted Annual Return	Nil
9d	Scrutiny of Annual return on afforestation	100 nos of sapling within lease area, survival rate :70%	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Closing stock - 284.990 tons (as per Annual Return)	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Cost of production : Rs 280.620 (as per 2023-24 Annual Return)	Nil
9i	Scrutiny of Annual return on Fixed assets	Value of fixed assets: Rs 5,00,000.00	Nil
9k	Scrutiny of Annual return on mining Machineries	-	Nil

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

Violation observed			Show cause position		
Rule	Issued on	Compliance on	Rule	Issued on	Compliance on
11(1)	31/12/2024				

**Arun Vivek V
Junior Mining Geologist
IBM Chennai**

08/01/2025

(Name of inspecting officer with designation and date)