

INDIAN BUREAU OF MINES MINERAL DEVELOPMENT AND REGULATION DIVISION MCDR INSPECTION REPORT Chennai Regional Office		
Mine file No.TN/PT/LST-9/MDS		Mine code - 38TMN14055
(i)	Name of the inspecting officer & Designation	KUMERESH A Senior Assistant Controller of Mines
(ii)	Accompanied mine official and designation	Shri. Muthukaruppan, Representative of Lessee
(iii)	Date of inspection	23.11.2024
(iv)	Date of previous inspection	25.12.2023
PART-I: General Information		
1.	Mine Name	Vayalapadi Limestone Mine
(b)	Registration Number	IBM/465/2011
(c)	Category	A other than fully mechanized
(d)	Type of Working	Opencast
(e)	Postal Address State District Village Taluka Post Office Pin Code FAX No. E-mail Phone	S.Subramanian, M/s.Samayapuram Vel Industries Pvt Ltd., 69,Ganapathy Nagar, ThiruvaniKovil, Trichy - 620005
(f)	Police Station	Veppur
(g)	First opening date	14.02.2022
(h)	Weekly day of rest	Sunday
2.	Address for correspondence	S.Subramanian, M/s.Samayapuram Vel Industries Pvt Ltd., 69,Ganapathy Nagar, ThiruvaniKovil, Trichy - 620005
3.	Lease Number	TMN1158
	Lease Area	3.57.0 Ha
	Period of lease	20 years
	Date of expiry	16.09.2018
4.	Mineral worked	Limestone

5.	Name and address of the	
	Lessee:	M/s. S.Subramanian
	Owner:	S.Subramanian, M/s.Samayapuram Vel Industries Pvt Ltd., 69,Ganapathy Nagar, Thiruvanikovil, Trichy - 620005
	Agent:	Nil
	Manager:	S.Subramanian, M/s.Samayapuram Vel Industries Pvt Ltd., 69,Ganapathy Nagar, Thiruvanikovil, Trichy - 620005
	Engineer:	R.Palanibharathi, B.E. Mining 4/226-1 Perumal Kovil Street, Kallai (vill), Olaipadi (Po), Kunnam (Tk), Perambalur(Dt), Pin code: 621717
	Geologist:	Yes
6	Date of Approval of Mining Plan/Modified Mining Plan 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 - 1054. MDS, Dt: 20.05.2014. The Present Review of Mining Plan & PMCP was approved vide letter no: TN/PBR/LST/ROMP – 1699.MDS Dt:30.11.2022
	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five – year period and specific condition in approval letter, if any.	Mining Scheme rule 12 MCDR 1988: 27.05.2004 Mining Scheme rule 12 MCDR 1988: 31.08.2009 Modification of approved Mining Scheme:25.04.2013 Mining Scheme rule 12 MCDR 1988: 20.05.2014 MP modification under 17(3) MCR 2016: 13.04.2018 Mp review under 17(1) MCR 2016: 13.04.2018 Mp review under 17(1) MCR 2016: 30.11.2022

PART-II : OBSERVATION / COMMENTS OF INSPECTING OFFICER
EXPLORATION

S. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	The total mining lease area has already been explored to G1 level.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	Nil
1d	Balance area to be explored to bring	Nil	Nil	Nil

	Geological axis in 1 or 2			
1e	Balance reserves as on 01.04.2024 (111 Category)	619227.040 Tons		Nil
1f	General comments of inspecting officer on geology, exploration etc.	-	-	The total mining lease area has already been explored to G1 level.

DEVELOPMENT

S. No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	Nil	Nil	-
2b	Separate benches in topsoil, overburden and minerals (Rule 13 of MCDR-2017)	Nil	Nil	Mining is in Limestone benches so no topsoil generation.
2c	Stripping ratio or ore to OB ratio	1:0	1:0	There was no generation of OB/Topsoil during the assessment year
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	Nil	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.	--	--	There was no generation of OB/Topsoil during the assessment year

EXPLOITATION

S. No.	Item	Proposals	Actual Work	Remarks
3a	Number of Pit proposed for production	2	1	Violation letter issued
3b	Quantity of ROM mineral production proposed	32703 tone	6660.000 tone	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 rejects 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	NA
3h	Manual / Mechanized method adopted for segregating from ROM	Nil	Nil	Violation letter issued under rule 11(1) of MCDR 2017

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	No Beneficiation proposed
3j	Provision of drilling and blasting in mineral benches	Nil	Nil	Rockbreakers are used for non conventional method of mining
3k	Provision of mining machineries in mineral benches	Rock Breaker	Rock Breaker	As per proposal
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in RoMP	Bench height -6m	Bench height -6m	Suitable for method of mining
3m	Total area covered under excavation/pits	Mining- 3.05.0 Waste dump Office & infrastructure Nil Processing Plant Nil Mineral stack processing Nil Yard Sub grade Mineral stacks Nil Mineral Roads 0.01.0 Areas under plantation 0.16.0 Un utilized Area 0.35.0 Total 3.57.0	Mining 3.22.0 Waste dump Office & infrastructure Nil Processing Plant Nil Mineral stack processing Nil Yard Sub grade Mineral stacks Nil Mineral Roads 0.01.0 Areas under plantation 0.27.0 Un utilized Area 0.07.0 Total 3.57.0	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0	There was no generation of OB/Topsoil during the assessment year
3o	Total area put in use under different heads at the end of year	Total area put in use: 3.03.0 ha	Total area put in use: 3.03.0 ha	Nil

3p	Production of ROM mineral during the last five-year period as applicable	2019-20=24000 Ts 2020-21=42550 Ts 2021-22=42000 Ts 2022-23=45250 Ts 2023-24=32703 Ts	2019-20=0 Ts 2020-21=0 Ts 2021-22=3100 Ts 2022-23=31370 Ts 2023-24=6660 Ts	Less limestone production due to less plant requirement
3q	General remarks of inspecting officers on method of mining etc.	-	-	Violation letter issued under rule 11(1) of MCDR 2017

SOLID WASTE MANAGEMENT-DUMPING

S. No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 36,37)	Nil	Nil	Nil
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	Nil
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	Nil
4e	Number of active and alive dumps.	Nil	Nil	Nil
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil
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	--	--	There was no generation of OB/Topsoil during the assessment year

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.	Nil	Nil	The pit will be converted as water reservoir as per the proposal.
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	

5e	General remarks of inspecting officers on backfilling and reclamation etc	--	--	The pit will be converted as water reservoir as per the proposal.
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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)	Submitted		
6b	Area available for rehabilitation (ha).	Nil	Nil	
6c	Afforestation done (ha).	0.19.0 ha	0.27.0 ha	
6d	No. of saplings planted during the year	50 saplings	55 saplings	
6e	Cumulative no. of plants	-	300 saplings Approx.	---
6f	Any other method of rehabilitation	Nil	Nil	Pit will be converted as water reservoir.
6g	Cost incurred on watch and care during the year	1.50 lakhs	1.50 Lakhs	
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)	Yes	Yes	Quarterly monitoring was done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	--	PMCP Compliance & progressive closure operations were found satisfactory.

MINERAL CONSERVATION

S. No.	Item	Proposals	Actual Work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	32,703	6,660	Violation letter issued under rule 11(1) of MCDR 2017
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	-	-	Violation letter issued under rule 11(1) of MCDR 2017

ENVIRONMENT

S. No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	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)	Nil	Nil	Nil
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	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	300 nos	
8g	Survival rate	70%	70 %	

8h	Water sprinkling on roads to control airborne dust	Yes	Water sprinkling done using water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	--	--	Satisfactory.

COMPLIANCE UNDER RULE-45

S. No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given in Part I, Sl 7-9		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Provided	Under current workings: 3.22 Ha Plant , Buildings etc:0.01 Ha Others:0.27 Ha	Provided in part-I, Sl.No-12
9d	Scrutiny of Annual return on afforestation	300 nos of sapling within lease area.Survival rate :70%	300 nos of sapling within lease area.Survival rate :70%	Given in Part V, Sl 5
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Given in Part VI, Sl 3
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given in Part VI, Sl 2 & 3(ii)		Given in Part VI, Sl 2 & 3(ii)
9g	Scrutiny of Annual return on	Cost of production : Rs.460.490 (as per 2023-24 Annual Return)	Given in Part VI, Sl 3 (ii) & Part VII	Given in Part VI, Sl 3 (ii) & Part VII

	sale value, Ex. Mine price and production cost			
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets: Rs 5,00,000.00	Value of fixed assets: Rs 5,00,000.00	Provided in part -II (A)
9i	Scrutiny of Annual return on mining machineries	Tipper and Rock Breaker	Given in Part V, Sl 6	Given in Part V, Sl 6

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
11(1)	04.12.2024				

Date:

KUMERESH A
SrAsst Controller of Mines
 Indian Bureau of Mines