

INDIAN BUREAU OF MINES MINERAL DEVELOPMENT AND REGULATION DIVISION MCDR INSPECTION REPORT Chennai Regional Office		
Mine file No.TCR/LST-23MDS		Mine code - 38TMN14022
(i)	Name of the inspecting officer & Designation	KUMERESH A Senior Assistant Controller of Mines
(ii)	Accompanied mine official and designation	Dr. E.Ganesan – Dy.Manager (Mining Lease) Mr.M.Manager– (Manager) Geologist
(iii)	Date of inspection	04.10.2024
(IV)	Date of previous inspection	
PART-I: General Information		
1.	Mine Name	Periyaganalur Limestone Mine
(b)	Registration Number	IBM/5661/2011, Dated – 01.12.2011
(c)	Category	A
(d)	Type of Working	Opencast
(e)	Postal Address State District Village Taluka Post Office Pin Code FAX No. E-mail Phone	M/s. Tamil Nadu Minerals Limited, No.31,Kamarajar Salai, Chepauk, Chennai-600005 Office : 044-28415003 / 28511972 Fax : 91-44-2852 4960 Mobile :9488855535
(f)	Police Station	Kallankuruchi
(g)	First opening date	20.03.1987
(h)	Weekly day of rest	Sunday
2.	Address for correspondence	Shri. Anil Meshram I.A.S Nominated Owner, Tamil Nadu Minerals Limited, No.31,Kamarajar Salai, Chepauk, Chennai-600005 Date of Appointment – 19.12.2023
3.	Lease Number	TMN0137
	Lease Area	Non- Forest – 9.94.5 Ha
	Period of lease	20 years
	Date of expiry	29.06.2006

4.	Mineral worked	Limestone
5.	Name and address of the	
	Lessee:	M/s. Tamil Nadu Minerals Limited
	Owner:	Shri. Anil Meshram I.A.S Nominated Owner, Tamil Nadu Minerals Limited, No.31,Kamarajar Salai, Chepauk, Chennai-600005 Date of Appointment – 19.12.2023
	Agent:	Shri. M.Manoharan Tamil Nadu Minerals Limited, Periyagalur Limestone Mine, Hasthinapuram Post, Ariyalur Taluk & District Pincode – 621704 Mobile No: 9443023635 Date of Appointment – 19.12.2016
	Manager:	Shri. Padmanaban Tamil Nadu Minerals Limited, Periyagalur Limestone Mine, Hasthinapuram Post, Ariyalur Taluk & District Pincode – 621704 Mobile No: 9442800706
	Engineer:	Was not appointed
	Geologist:	Yes. Appointed
6	Date of Approval of Mining Plan/Modified Mining Plan with five – year period and specific condition in approval letter, if any.	Fresh under Rule 22 MCR 1960: 26.05.1989 Mining Scheme rule 12 MCDR 1988: 06.02.1998 Mining Scheme rule 12 MCDR 1988: 09.09.2002
	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five – year period and specific condition in approval letter, if any.	Renewal under rule 24 MCDR 1988: 03.12.2013 Mining Scheme rule 12 MCDR 1988: 18.03.2016 Mp review under 17(1) MCR2016: 30.10.2019

PART-II : OBSERVATION / COMMENTS OF INSPECTING OFFICER
EXPLORATION

S. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	The total mining lease area has already been explored and the requirement of G1 level has been met.
1b	Exploration over lease area for Geological axis 1 or 2.	G1	G1	

1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not applicable	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Nil
1e	Balance reserves as on 01.04.2024 (111 Category)		2,75,495 Tons of proved reserves (As on 01.04.2024)	
1f	General comments of inspecting officer on geology, exploration etc.	Nil	Nil	Nil

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	
2c	Stripping ratio or ore to OB ratio	1: 0	1: 0	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.	Nil	Nil	

EXPLOITATION

S. No.	Item	Proposals	Actual Work	Remarks
3a	Number of Pit proposed for production	1 No.	1No.	
3b	Quantity of ROM mineral production proposed	1,44,240 Tonnes	1,38,884.59 Tonnes	Nil
3c	Recovery of salable/usable mineral from ROM production	100%	1,38,884.59 Tonnes	Nil
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	--	--	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	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	NA
3j	Provision of drilling and blasting in mineral benches	Nil	Nil	Nil
3k	Provision of mining machineries in mineral benches	Nil	Nil	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in RoMP	1.5m	More than 1.5m	Rectification work for reducing the bench height was under progress
3m	Total area covered under excavation/pits	8.73.0Ha [2 No's of Pit]	8.73.0Ha [2 No's of Pit]	
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0	1 : 0	
3o	Total area put in use under different heads at the end of year	Area under mining-74.77.0, Top soil-1.60.0, Overburden-3.74.0, Infrastructure-0.10.0, Roads-2.20.0, Low grade dump-6.31.0, Mineral Storage-0.65.0	Area under mining-64.80.0, Top soil-1.60.0, Overburden-3.74.0, Infrastructure-0.10.0, Roads-2.20.0, Low grade dump-6.31.0 Mineral Storage-1.95.0,	Within proposed limits
3p	Production of ROM mineral during the last five-year period as applicable	2019-20=Nil 2020-21=131255 T 2021-22=108727 T 2023-24=1,44,240 T	2019-20= Nil 2020-21= 22,210 T 2021-22=108727 T 2023-24=1,38,884.59 T	
3q	General remarks of inspecting officers on method of mining etc.	-	-	-.

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	
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	

4g	Number of dumps established.	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 dumps	Nil	Nil	
4j	Number of settling ponds	1	1	
4k	Specific comments of inspecting officer on waste dump management	--	--	

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	
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	Nil	Nil	--

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)	Yes	Submitted	
6b	Area available for rehabilitation (ha).	Nil	Nil	
6c	Afforestation done (ha).	0.01.05	0.01.05	
6d	No. of saplings planted during the year	150	150	
6e	Cumulative no. of plants	1500	1500	
6f	Any other method of rehabilitation	--	--	
6g	Cost incurred on watch and care during the year	8000	8000	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D)	--	--	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	--	--	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation backfilled area	--	--	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	--	--	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	--	--	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	--	--	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	--	--	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	--	--	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Six months monitoring as EIA Notification 14.09.2006	Six months monitoring as EIA Notification 14.09.2006	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			

MINERAL CONSERVATION

S. No.	Item	Proposals	Actual Work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1,44,240 T	1,38,884.59 T [As on 02.12.2024]	
7b	Method of grade wise mineral sorting i.e. manual or mechanical.	Nil	Nil	
7c	Different grade of mineral sorted out at mines.	Nil	Nil	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral Conservation & beneficiation issues	-	-	-

ENVIRONMENT

S. No.	Item	Proposals	Actual Work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	150 nos saplings carried out	150 nos saplings carried out	
8g	Survival rate	50%	50%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling was being done on roads to control airborne dust	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	-

COMPLIANCE UNDER RULE-45

S. No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	Proposed	Submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Provided in part-I		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed	Area under Pits – 8.73.0 ha. Safety Zone & Green Belt – 1.21.5 ha.		

	area, dumps etc.			
9d	Scrutiny of Annual return on afforestation	150	150	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	0.00	0.00	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil	
9h	Scrutiny of Annual return on fixed assets	GFA-10000000		
9i	Scrutiny of Annual return on mining machineries	Nil	Nil	

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

Date:

KUMERESH A
SrAsst Controller of Mines
Indian Bureau of Mines