

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/TCR/LST-23-Mds

Mine code : 38TMN14022

- (i) Name of the Inspecting : 043) T.PHALTHURAJHEN
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : SHRI.M.MANOCHARAN, AGENT, GEOLOGIST
Official with
Designation
- (iv) Date of Inspection : 06/10/2022
- (v) Prev.inspection date : 24/08/2011

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : PERIANGALUR (12.74.5 HA)
- (b) **Registration NO.** : IBM/5661/2011
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : ARIYALUR
- Village : PERIYANGALUR
- Taluka : ARIYALUR
- Post office : ARIYALUR
- Pin Code : 621704
- FAX No. :
- E-mail : tamin@taminggranites.com
- Phone : 9488855535
- (f) **Police Station** : ARIYALUR
- (g) **First opening date** : 20/03/1987
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : Managing Director, M/s. TAMIN, No-31,
Kamarajar Salai, Chepauk, Chennai-600005
3. (a) **Lease Number** : TMN0137
- (b) **Lease area** : 9.95
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 29/06/2006
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : TAMILNADU MINERALS LTD
 31, KAMARAJA SALAI CHEPAUK,
 CHENNAI CHENNAI CITY TAMIL
 NADU
 Phone:
 FAX :

Owner : L.K.TRIPATHI
 TAMILNADU MINERAL LTD
 31, KAMARAJAR SALAI, TWAD
 HOUSE, CHENNAI CHENNAI CITY
 TAMIL NADU
 Phone: 044-8530382/857
 FAX : 044-8524960

Agent : P.GIRI RATHINAM
 TAMILNADU, 9/1S, OPPILATHAM- -
 MAN KOIL ST., KAMARAJAR
 THIDAL, ARIYALUR PERAMBALUR
 TAMIL NADU
 Phone:
 FAX :

Mining Engineer

Name : K. RAGHAVAN, Full Time
 Qualification : B.E. (MINING ENGG.)
 Appointment/ : 19/12/2016
 Termination date

Geologist

Name : P.GIRI RATHINAM, Full Time
 Qualification : M.Sc., (GEO)
 Appointment/ : 19/12/2019
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	26/05/1989
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	06/02/1998
		Mining Scheme rule 12 MCDR1988	09/09/2002
		Renewal under rule 24 MCR1960	03/12/2013
		Mining Scheme rule 12 MCDR1988	18/03/2016
		MP review under 17(1) MCR 2016	30/10/2019

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.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	Mine fully explored in G1 Level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	-	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	NIL
1e	Balance reserve as on 01/04/20	Total=322103 tonnes, Limestone - 322103 Tonnes.	Total=322103 tonnes, Limestone -322103 Tonnes. As on 01/04/2022.	Total=322103 tonnes, Limestone -322103 Tonnes. As on 01/04/2022.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NIL	NIL	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NIL	NIL	NIL
2c	Stripping ratio or ore to OB ratio	-	-	-
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	NIL	NIL	NIL

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	NIL
3b	Quantity of ROM mineral production proposed	109244 tonnes	81453.880 Tonnes	nil
3c	Recovery of sailable/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.	NA	NA	NIL
3f	Quantity of sub grade mineral generation.	NA	NA	NIL
3g	Grade of sub grade mineral generation	NA	NA	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	NIL
3j	Provision of drilling and blasting in mineral benches	NA	NA	NIL
3k	Provision of mining machineries in mineral benches	Proposed	provided	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height-5m,Width-5 m.	Height-5m,Width-5 m.	-

3n	Ore to OB ratio for the pit/mine during the year.	-	-	-
3o	Total area put in use under different heads at the end of year	9.94.5 HA	8.73.0 HA	9.94.5 HA till plan period (2021-22 to 2024-25).
3p	Production of ROM mineral during the last five year period as applicable	2017-18=nil, 2018-19=nil, 2019-20=nil, 2020-21=131255 Ts,,2021-22=108727 Ts.	2017-18=nil, nil, 2019-20=nil, 21=22.210 Ts, 2021-22=108727 Ts.	satisfactory.
3q	General remarks of inspecting officers on method of mining etc.	NIL	NIL	Satisfactory.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	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	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NIL	NIL
4e	Number of active and alive dumps.	-	-	-
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.	-	-	-

4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	-
4j	Number of settling ponds	NIL	1	TILL DATE.
4k	Specific comments of inspecting officer on waste dump management	-	-	satisfactory.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Willbe fully extracted	Willbe fully extracted	-
5b	Area under backfilling of mined out area	NIL	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	-
5d	Total area fully reclaimed and rehabilitated	NA	NA	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	satisfactory.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	periodically submitted	Submitted	-

6b	Area available for rehabilitation (ha) .	NIL	NIL	-
6c	afforestation done (ha).	0.14.0 HA.	0.14.0 HA.	-
6d	No. of saplings planted during the year	200 Saplings	150 saplings	
6e	Cumulative no .of plants	450	500	-
6f	Any other method of rehabilitation	NIL	NIL	-
6g	Cost incurred on watch and care during the year	RS.45000/	RS.70,000/	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NIL	NIL	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	-

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NIL	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (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 and buffer zone)	Periodically monitored	Periodically monitored	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	-
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 and beneficiation issues	-	-	NIL
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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 dumps for restoring the land to its original use	NA	NA	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	NIL	NIL
8g	Survival rate	80%	80%	-

8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads dust suppressed.	Water sprinkling on haul roads dust suppressed.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	--	-	nil

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	monthly returns submitted on 05/09/2022, Annual returans submitted on 02/05/2022.	being submitted regularly	Satisfactory.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Agent & geologist , shri. M.ManoharanM/S . Tamilnadu Minerals Ltd Opposite Anna Sports stdium, Trichy - 620023. Ph.9443023635.	Pit area -8.73.0 ha , Waste disposal -0.94.0 ha , reclaimed / rehabilitated -0.14.0 ha , Building & Roads- 0.11.0 ha , Unutilized area -0.16.5 Ha.	nil
9d	Scrutiny of Annual return on afforestation	Afforestation- 500 trees.	400 Trees	nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Rom -81453 Tonnes	Rom -81453 Tonnes	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price rs-705.00	Ex mine price rs-705.00	Nil

9h	Scrutiny of Annual return on fixed assets	-	GFA-10000000/ (One crore) .	Nil
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Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 45(5) (a)	19/10/2022				

Date :

(T.PHALTHURAJHEN)

Indian Bureau of Mines