

**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 : **M017** ) **Matiul Islam**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr M.Manoharan - Agent  
Official with  
Designation
- (iv) Date of Inspection : 21/09/2023
- (v) Prev.inspection date : 06/10/2022

**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 : Managing Director, M/s. TAMIN, No-31,  
correspondance 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  
 TAMIN, 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	Lease already fully explored upto G1 level.
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	-do-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	-do-
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	-do-
1e	Balance reserve as on 01/04/20	2,12,859 Metric Tonnes	3,44,091.790 Metric Tonnes	Due to less depletion than proposed in the first year of current plan period.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Geology & Exploration of the lease were found satisfactory.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No development proposed	Nil	No Top soil or OB present over mineralised area
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NA	NA	Nil
2c	Stripping ratio or ore to OB ratio	1:0	1:0	Nil
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	-	-	No development required as the lease is devoid of top soil as well as OB.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit proposed	Single pit worked	As proposed
3b	Quantity of ROM mineral production proposed	109244 Mts	109244 Mts	-do-
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	-do-
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.	Nil	Nil	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.	Nil	Nil	Nil

3j	Provision of drilling and blasting in mineral benches	Nil	Nil	Non-conventional mining with rock-breaker & excavator proposed & carried out
3k	Provision of mining machineries in mineral benches	Mega Rock Breaker - 1 - 4" (330LC) Excavator - 1 - 1.1 cu.m.	Mega Rock Breaker - 1 - 4" (330LC) Excavator - 1 - 1.1 cu.m. Tippers - 20 te	As proposed
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height-6M Width-6M	Height-6M Width-6M	-do-
3m	Total area covered under excavation/pits	9.94.5Ha (Till 2024-25)	8.46.0Ha (Till 2022-23)	Within limits
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0	Nil
3o	Total area put in use under different heads at the end of year	9.94.5 Ha (Till 2024-25)	8.46.0Ha (Till 2022-23)	Within limits
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - Nil 2019-20 - Nil 2020-21-131255 Ts 2021-22-108727 Ts 2022-23-109244 Ts	2018-19 - Nil 2019-20- Nil 2020-21-22.210 Mts 2021-22-108727 Mts 2022-23-109244 Mts	Within limits
3q	General remarks of inspecting officers on method of mining etc.	-	-	Method of mining was found satisfactory.

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#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No topsoil, OB or Mineral Rejects removal envisaged	No topsoil, OB or Mineral Rejects removal done	Lease is devoid of Top Soil, OB or rejects

4b	Location of topsoil, OB and mineral reject dumps	NA	NA	Nil
4c	Number of dumps within lease area and outside of lease area	NA	NA	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	Nil
4e	Number of active and alive dumps.	NA	NA	Nil
4f	Number of dead dumps.	NA	NA	Nil
4g	Number of dumps established.	NA	NA	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	Nil
4j	Number of settling ponds	No proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	-	-	Lease is devoid of topsoil, OB or Mineral Rejects. No dump proposed or carried out.

#### 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.	No backfilling envisaged	Nil	Nil
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)	No top soil generation envisaged	No top soil generated	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	No backfilling/reclamation proposed or carried out.

#### 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).	Yes	Submitted	As proposed
6b	Area available for rehabilitation (ha) .	Nil	Nil	-do-
6c	afforestation done (ha).	0.07 Ha	0.105 Ha	-do-
6d	No. of saplings planted during the year	100 nos	200 nos	-do-
6e	Cumulative no .of plants	450 nos (during current plan period)	600 nos (during current plan period)	-do-
6f	Any other method of rehabilitation	Nil	Nil	-do-
6g	Cost incurred on watch and care during the year	Rs 45,000/-	Rs 70,000/-	-do-
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	NA	NA	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NA	NA	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)	Periodic monitoring proposed	Periodic monitoring carried out	-do-



6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Only afforestation proposed & carried out as PMCP Compliance and found satisfactory.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting proposed	No sorting carried out	Entire ROM is consumed.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	Nil
7c	Different grade of mineral sorted out at mines.	NA	NA	Nil
7d	Any beneficiation process at mines	Nil	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	No issues were observed with Mineral Conservation or beneficiation.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	Nil
8b	Concurrent use or storage of topsoil	NA	NA	Nil

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No OB/Waste/Rejects/Fines	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Afforestation proposed over benches	Afforestation carried out	As proposed
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	450 nos sapling proposed to be planted cumulatively in the current plan period	600 nos saplings planted cumulatively till 2022-23.	Nil
8g	Survival rate	Not specified	50%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed	Carried out	Water Tanker deployed for water sprinkling on haul roads
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	The aesthetic beauty in and around mines area was found satisfactory.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given	Submitted in time	Nil

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not furnished in AR	Geologist Mr M Manoharan was present on the day of inspection	Violation not issued as the mine has temporarily discontinued operations from 03/10/2023.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings 0.000 8.730 8.730 (iii) Reclaimed-rehabilitated 0.000 0.940 0.940 (iv) Used for waste disposal 0.000 0.000 0.000 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.110 0.110 (vi) Used for any other purpose (specify) Un-utilized Area 0.000 0.165 0.165	Given in Part I, Sl 12	Nil
9d	Scrutiny of Annual return on afforestation	Description Within lease area Outside lease area i) Number of trees planted during the year 0 200 ii) Survival rate in percentage 0 50 iii) Total no. of trees at the end of the year 0 100	Given in Part V, Sl 5	Nil

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Given in Part V, Sl 3	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Category Opening stock Production Closing stock (a) Open Cast workings 0.000 109244.000 0.000 (b) Underground Workings 0.000 0.000 0.000 (c) Dump workings 0.000 0.000 0.000	Given in Part VI, Sl 1 & 3(ii)	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production - Rs 393.26/-	Given in Part VII	Nil
9h	Scrutiny of Annual return on fixed assets	Nil	Not furnished	Nil
9k	Scrutiny of Annual return on mining machineries	OTHER HEM MACHINERY 0.900 1 Non Electrical Opencast	Given in Part V, Sl 6	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

Date :

(Matiul Islam)

Indian Bureau of Mines