

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

**FMCP Inspection REPORT**

**Chennai regional office**

**Mine file No :** TN/TCR/LST-72.MDS

**Mine code :** 38TMN14056

- (i) Name of the Inspecting : **K08** ) **G.SORNADURAI KANNAN**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Thiru. Muthu Karuppan, Lessee Representative  
Official with  
Designation
- (iv) Date of Inspection : 18/12/2023
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **REDDIMANGUDI (2.18.5) HEC**
- (b) **Registration NO.** : **IBM/563/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : TAMIL NADU  
District : TIRUCHIRAPALLI  
Village : REDDIMANGUDI  
Taluka : LALGUDI  
Post office : REDDIMANGUDI  
Pin Code :  
FAX No. :  
E-mail : dcplmaruthi@gmail.com  
Phone :
- (f) Police Station : Lalgudi
- (g) First opening date : 24/03/1996
- (h) Weekly day of rest : SUN
2. Address for : S.SARAVANAN  
correspondance : 24,AKILA NAGAR,T.V.KOVIL  
TRICHY -5
3. (a) Lease Number : TMN0738
- (b) Lease area : 2.19
- (c) Period of lease : 20
- (d) Date of Expiry : 23/03/2016
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : S.SARAVANAN  
 23,AKILA NAGAR  
 TIRUVINAIKOIL, TRICHY  
 TIRUCHIRAPALLI TAMIL NADU  
 Phone:433006  
 FAX :

Owner : S.SARAVANAN  
 24,AKILA NAGAR, T.V.KOIL,  
 TRICHY-5 TIRUCHIRAPALLI  
 TAMIL NADU  
 Phone:  
 FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	05/07/2001
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	25/07/2005
		Mining Scheme rule 12 MCDR1988	24/09/2012
		Modif.of approved Mining Plan	02/03/2016
		MP review under 17(1) MCR 2016	17/09/2020

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Boreholes has been proposed during 2022-2023.	No Boreholes has drilled	No Proposal has been given for 2022-2023
1b	Exploration over lease area for geological axis 1 or 2	No Additional exploration boreholes was proposed over the lease area during 2022-2023	No Boreholes has been drilled during 2022-2023	Entire lease area is proved upto 10m depth and under G-1 category.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal for exploration during 2022-2023	No Boreholes has been drilled during 2022-2023	So far 4 boreholes have been drilled in the lease upto 2022-2023.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration was not proposed during 2022-2023.	No Boreholes has been drilled during 2022-2023	Entire area has been explored under G-1 category with 50m X 100m grid interval.
1e	Balance reserve as on 01/04/20	As on 01.04.2023 Proved Mineral Reserves (111) = 38466 tons Pre-Feasibility Mineral Resources (221) = 8000 tons	As on 01.04.2023 Proved Mineral Reserves (111) = 115000 tons Pre-Feasibility Mineral Resources (221) = 8000 tons	The available grade of Limestone in this lease cement Grade. The mine is not in operation for 2017-2018.
1f	General remarks of inspecting officers on geology, exploration etc	It is part of Cretaceous formations. The deposit further away from the ariyalur stage.	The deposit consists of highly weathered and crushed gneiss. The limestone bed has cavities filled with clay materials.	Coral Limestone is overlies the archaens and overlapped arenaceous limestone.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	During 2022-2023, working proposal was in section line XY-AB.	Nil	The mine is not in operation from 2017-2018.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Minerals - 2 Benches	Nil	The mine is not in operation from 2017-2018.
2c	Stripping ratio or ore to OB ratio	1 : 0.00	Nil	The mine is not in operation from 2017-2018.
2d	Quantity of topsoil generation in m3	No Topsoil proposal	Nil	The mine is not in operation from 2017-2018.
2e	Quantity of overburden generation in m3	No overburden has been proposed during 2022-2023	Nil	The mine is not in operation from 2017-2018.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	During 2022-2023, working proposal was in section line XY-AB.	No Topsoil & Overburden has been proposed during 2022-2023.	The mine is not in operation from 2017-2018 for statutory clearance. Now mine is inspected under FMCP inspection.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Production was Proposed in section line XY-AB during 2022-2023	Nil	The mine is not in operation from 2017-2018.
3b	Quantity of ROM mineral production proposed	The total target of ROM Production proposed was 983 tons during 2022-2023.	Nil	The mine is not in operation from 2017-2018.
3c	Recovery of sailable/usable mineral from ROM production	65% Recovery	Nil	The mine is not in operation from 2017-2018.
3d	Quantity of mineral reject generation	393 tons of Mineral Rejects has been proposed.	Nil	The mine is not in operation from 2017-2018.

3e	Grade of mineral rejects generation and threshold value declared.	High silica content.	Nil	The mine is not in operation from 2017-2018.
3f	Quantity of sub grade mineral generation.	No Sub Grade Generation	Nil	The mine is not in operation from 2017-2018.
3g	Grade of sub grade mineral generation	There is No Generation of Subgrade Mineral	Nil	The mine is not in operation from 2017-2018.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method	Nil	The mine is not in operation from 2017-2018.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Beneficiation Study is Proposed	Nil	The mine is not in operation from 2017-2018.
3j	Provision of drilling and blasting in mineral benches	Drilling & blasting are proposed.	Nil	The mine is not in operation from 2017-2018.
3k	Provision of mining machineries in mineral benches	Excavators Rock Breakers Jack Hammer Tippers	Nil	The mine is not in operation from 2017-2018.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	In 2022-2023, Bench height of 3m was proposed in Mineral.	Nil	The mine is not in operation from 2017-2018.
3m	Total area covered under excavation/pits	0.592 hect area is proposed for Pit during 2022-2023	0.592 hect are under Pit.	The mine is not in operation from 2017-2018.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.00	Nil	The mine is not in operation from 2017-2018.
3o	Total area put in use under different heads at the end of year	Land use Pattern as on 01.04.2023. Mines = 0.592 hect Road = 0.03 hect	Land use Pattern as on 01.04.2022. Mines = 0.592 hect Road = 0.03 hect	The mine is not in operation from 2017-2018.

3p	Production of ROM mineral during the last five year period as applicable	2022-2023 = 983 tons 2021-2022 = 983 tons 2020-2021 = 38730 tons 2019-2020 = 16806 tons 2018-2019 = 19032 tons	2022-2023 = Nil 2021-2022 = Nil 2020-2021 = Nil 2019-2020 = Nil 2018-2019 = Nil	The mine is not in operation from 2017-2018 for want of statutory clearance.
3q	General remarks of inspecting officers on method of mining etc.	Production was Proposed in section line XY-AB during 2022-2023	The total target of ROM Production proposed was 983 tons during 2022-2023.	The mine is not in operation from 2017-2018 for statutory clearance. Now mine is inspected under FMCP inspection.

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Dumping is proposed for Mineral rejects during 2022-2023	Nil	The mine is not in operation from 2017-2018.
4b	Location of topsoil, OB and mineral reject dumps	Mineral reject dump is proposed on North Eastern side during 2022-2023.	Nil	The mine is not in operation from 2017-2018.
4c	Number of dumps within lease area and outside of lease area	Lease area = 2 Non Lease area = Nil	Lease area = 1 Non Lease area = Nil	One Topsoil Dumps are old and existing as per approved plan.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL. Proposed to re-handle during 2023-2024.	Nil	The mine is not in operation from 2017-2018.
4e	Number of active and alive dumps.	Active Dump = 1 Mineral reject	Nil	The mine is not in operation from 2017-2018.
4f	Number of dead dumps.	No Proposal	Nil	The mine is not in operation from 2017-2018.
4g	Number of dumps established.	No Dumps have been established.	Nil	The mine is not in operation from 2017-2018.

4h	Whether Retaining wall or garland drain all along dumps are there.	No Proposal	Nil	The mine is not in operation from 2017-2018.
4i	Length of Retaining wall or garland drain all along dumps	No Proposal	Nil	The mine is not in operation from 2017-2018.
4j	Number of settling ponds	No Proposal	Nil	The mine is not in operation from 2017-2018.
4k	Specific comments of inspecting officer on waste dump management	Dumping is proposed for Mineral rejects during 2022-2023	Mineral reject dump is proposed on North Eastern side during 2022-2023.	The mine is not in operation from 2017-2018 for statutory clearance. Now mine is inspected under FMCP inspection.

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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 has been proposed during 2022-2023	No backfilling has done during 2022-2023	The mine is not in operation from 2017-2018.
5b	Area under backfilling of mined out area	No Proposal	Nil	The mine is not in operation from 2017-2018.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Proposal	Nil	The mine is not in operation from 2017-2018.
5d	Total area fully reclaimed and rehabilitated	No Proposal	Nil	The mine is not in operation from 2017-2018.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No backfilling has been proposed during 2022-2023	No backfilling has done during 2022-2023	The mine is not in operation from 2017-2018 for statutory clearance. Now mine is inspected under FMCP inspection.

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## Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	It should be on or before 1st July every year.	Submitted for the year 2022-2023.	Submitted within time limit.
6b	Area available for rehabilitation (ha) .	No Proposal	Nil	The mine is not in operation from 2017-2018.
6c	afforestation done (ha).	No Proposal	Nil	The mine is not in operation from 2017-2018.
6d	No. of saplings planted during the year	No Proposal	Nil	The mine is not in operation from 2017-2018.
6e	Cumulative no .of plants	No Proposal	Nil	The mine is not in operation from 2017-2018.
6f	Any other method of rehabilitation	No Proposal	Nil	The mine is not in operation from 2017-2018.
6g	Cost incurred on watch and care during the year	No Proposal	Nil	The mine is not in operation from 2017-2018.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No Proposal	Nil	The mine is not in operation from 2017-2018.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Proposal	Nil	The mine is not in operation from 2017-2018.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No Proposal	Nil	The mine is not in operation from 2017-2018.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal	Nil	The mine is not in operation from 2017-2018.



6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No Proposal	Nil	The mine is not in operation from 2017-2018.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	20 saplings proposed along the safety barrier of lease area for 2022-2023	No saplings have been planted within lease area during 2022-2023.	The mine is not in operation from 2017-2018.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Proposed in 7.5m safety barrier in lease area for 2022-2023	No plantation has been planted.	The mine is not in operation from 2017-2018.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Green Belt development along 7.5m safety barrier.	No Plantation has been done as per proposal along the safety barrier.	The mine is not in operation from 2017-2018.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Bi-Annually Survey	Nil	The mine is not in operation from 2017-2018.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	20 saplings proposed along the safety barrier of lease area for 2022-2023	No Plantation has been done as per proposal along the safety barrier.	The mine is not in operation from 2017-2018 for statutory clearance. Now mine is inspected under FMCP inspection.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	The total target of ROM Production proposed was 983 tons during 2022-2023.	Nil	The mine is not in operation from 2017-2018.

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	There is no proposal for grade wise mineral sorting in the lease area.	Nil	The mine is not in operation from 2017-2018.
7c	Different grade of mineral sorted out at mines.	The Limestone of the lease area is cement grade	Nil	The mine is not in operation from 2017-2018.
7d	Any beneficiation process at mines .	Crushing & Screening process at outside the lease area	Inside the lease area there is no beneficiation process.	The mine is not in operation from 2017-2018.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The total target of ROM Production proposed was 983 tons during 2022-2023.	The Limestone of the lease area is cement grade	The mine is not in operation from 2017-2018 for statutory clearance. Now mine is inspected under FMCP inspection.

#### Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal during 2022-2023	Nil	The mine is not in operation from 2017-2018.
8b	Concurrent use or storage of topsoil	No Proposal during 2022-2023	Nil	The mine is not in operation from 2017-2018.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Dumping is proposed for Mineral rejects during 2022-2023	Nil	The mine is not in operation from 2017-2018.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal during 2022-2023	Nil	The mine is not in operation from 2017-2018.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal during 2022-2023	Nil	The mine is not in operation from 2017-2018.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	20 saplings proposed along the safety barrier of lease area for 2022-2023	No saplings have planted within lease area during 2022-2023.	The mine is not in operation from 2017-2018.
8g	Survival rate	No Proposal in the document.	Nil	The mine is not in operation from 2017-2018.
8h	Water sprinkling on roads to control airborne dust	Yes, it is proposed.	Nil	The mine is not in operation from 2017-2018.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Scanty vegetation, bushes, neem are observed in lease area	There is no prominent river or stream running in this area.	Outside lease area, agriculture is done with lift irrigation.

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#### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = November 2023 AR Submitted up to = 2022-2023	Returns are submitted within time limit.	Both Annual & Monthly returns are submitted in online
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Full time Mining Engineer & Geologist has not shown.	Nil	The mine is not in operation from 2017-2018 for want of statutory clearance.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Landuse pattern shown	Nil	The mine is not in operation from 2017-2018 for want of statutory clearance.

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9d	Scrutiny of Annual return on afforestation	Lessee has not planted any saplings during 2022-2023.	Nil	The mine is not in operation from 2017-2018 for want of statutory clearance.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	There is no Mineral Rejects Generation	Nil	The mine is not in operation from 2017-2018 for want of statutory clearance.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Limestone stock as on 01.04.2023 ROM opening stock = Nil ROM closing stock = Nil.	There is no production and dispatches during 2022-2023	The mine is not in operation from 2017-2018 for want of statutory clearance.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production & Ex. Mine price has Zero	Nil	The mine is not in operation from 2017-2018 for want of statutory clearance.
9h	Scrutiny of Annual return on fixed assets	Fixed Assets is given	Fixed Assets is filled	The mine is not in operation from 2017-2018 for want of statutory clearance.
9k	Scrutiny of Annual return on mining machineries	Machineries details not given	Not available in field due to non-working.	The mine is not in operation from 2017-2018 for want of statutory clearance.

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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 :**

**(G.SORNADURAI KANNAN)**

Indian Bureau of Mines