

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

FMCP Inspection REPORT

Chennai regional office

Mine file No : TN/TCR/LST-87/MDS

Mine code : 38TMN14059

- (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 : 19/12/2023
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SHANAMANGALAM (3.11.5H)**
- (b) **Registration NO.** : **IBM/468/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : TIRUCHIRAPALLI
Village : SHANAMANGALAM
Taluka : MANACHANALLUR
Post office : SIRUGANUR
Pin Code :
FAX No. : 0431-2670042
E-mail : dcplmaruti@gmail.com
Phone : 9489201001
- (f) Police Station :
- (g) First opening date : 09/04/2004
- (h) Weekly day of rest : SUN
2. Address for : NO.69, GANAPATHY NAGAR
correspondance : T.V.KOIL
TRICHY-620 005.
3. (a) Lease Number : TMN1280
(b) Lease area : 3.12
(c) Period of lease : 20
(d) Date of Expiry : 09/08/2021
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SMT.S.SATHAMMAI
 69.GANAPATHY NAGAR
 THIRUVANAI KOIL
 THIRUCHIRAPALLI
 TIRUCHIRAPALLI TAMIL NADU
 Phone:0431-2432882 CELL- 9842410080
 FAX :

Owner : SMT.SATHAMMAI
 69,GANAPATHY NAGAR T.V.KOIL
 TRICHY-620005
 TIRUCHIRAPALLI TAMIL NADU
 Phone:
 FAX :

Geologist

Name : S.SUBRAMANIAM,Full Time
 Qualification : MSC(GEOLOGY)
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	23/05/2007
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	18/12/2012
		MP review under 17(1) MCR 2016	30/12/2016
		MP modif under 17(3) MCR 2016	03/05/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There is no Proposal during 2022-2023 and MMP is valid upto 2022.	No Boreholes has drilled	The mine is not in operation from 2018-2019.
1b	Exploration over lease area for geological axis 1 or 2	No Proposal	Nil	The mine is not in operation from 2018-2019.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal	Nil	So far 10 boreholes have been drilled in the lease upto 2017-2018.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	Nil	Entire area has been explored under G-1 category with 100m X 100m grid interval.
1e	Balance reserve as on 01/04/20	No Proposal	As on 01.04.2023 Proved Mineral Reserves (111) = 300000 tons Pre-Feasibility Mineral Resources (222) = 120000 tons	The available grade of Limestone in this lease cement Grade. The mine is not in operation for 2018-2019.
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
2a	Location of development w.r.t.lease area	There is no Proposal during 2022-2023 and MMP is valid upto 2022.	Nil	The mine is not in operation from 2018-2019.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Proposal	Nil	The mine is not in operation from 2018-2019.

2c	Stripping ratio or ore to OB ratio	No Proposal	Nil	The mine is not in operation from 2018-2019.
2d	Quantity of topsoil generation in m3	No Proposal	Nil	The mine is not in operation from 2018-2019.
2e	Quantity of overburden generation in m3	No Proposal	Nil	The mine is not in operation from 2018-2019.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	There is no valid mining plan from 2022.	As per office records, this mines is non-working from 2018 for want of Statuary Clearance.	Mine is inspected under FMCP inspection.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	There is no Proposal during 2022-2023 and MMP is valid upto 2022.	Nil	The mine is not in operation from 2018-2019.
3b	Quantity of ROM mineral production proposed	No Proposal	Nil	The mine is not in operation from 2018-2019.
3c	Recovery of sailable/usable mineral from ROM production	No proposal	Nil	The mine is not in operation from 2018-2019.
3d	Quantity of mineral reject generation	No Proposal	Nil	The mine is not in operation from 2018-2019.
3e	Grade of mineral rejects generation and threshold value declared.	No Proposal	Nil	The mine is not in operation from 2018-2019.
3f	Quantity of sub grade mineral generation.	No Proposal	Nil	The mine is not in operation from 2018-2019.
3g	Grade of sub grade mineral generation	No Proposal	Nil	The mine is not in operation from 2018-2019.
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposal	Nil	The mine is not in operation from 2018-2019.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal	Nil	The mine is not in operation from 2018-2019.
3j	Provision of drilling and blasting in mineral benches	No Proposal	Nil	The mine is not in operation from 2018-2019.
3k	Provision of mining machineries in mineral benches	No Proposal	Nil	The mine is not in operation from 2018-2019.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No Proposal	Nil	The mine is not in operation from 2018-2019.
3m	Total area covered under excavation/pits	No Proposal	Nil	The mine is not in operation from 2018-2019.
3n	Ore to OB ratio for the pit/mine during the year.	No Proposal	Nil	The mine is not in operation from 2018-2019.
3o	Total area put in use under different heads at the end of year	No Proposal	Land use Pattern as on 01.04.2023. Mines = 0.01 hect Road = 0.002 hect	0.01 hect pits is old existing pit. The mine is not in operation from 2018-2019.
3p	Production of ROM mineral during the last five year period as applicable	2022-2023 = Nil 2021-2022 = 25500 tons 2020-2021 = 24500 tons 2019-2020 = 22825 tons 2018-2019 = 22825 tons	2022-2023 = Nil 2021-2022 = Nil 2020-2021 = Nil 2019-2020 = Nil 2018-2019 = Nil	The mine is not in operation from 2018-2019.
3q	General remarks of inspecting officers on method of mining etc.	There is no valid mining plan from 2022.	As per office records, this mines is non-working from 2018 for want of Statuary Clearance.	Mine is inspected under FMCP inspection.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Proposal	Nil	The mine is not in operation from 2018-2019.
4b	Location of topsoil, OB and mineral reject dumps	No Proposal	Nil	The mine is not in operation from 2018-2019.
4c	Number of dumps within lease area and outside of lease area	No Proposal	Nil	The mine is not in operation from 2018-2019.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Nil	The mine is not in operation from 2018-2019.
4e	Number of active and alive dumps.	No Proposal	Nil	The mine is not in operation from 2018-2019.
4f	Number of dead dumps.	No Proposal	Nil	The mine is not in operation from 2018-2019.
4g	Number of dumps established.	No Proposal	Nil	The mine is not in operation from 2018-2019.
4h	Whether Retaining wall or garland drain all along dumps are there.	No Proposal	Nil	The mine is not in operation from 2018-2019.
4i	Length of Retaining wall or garland drain all along dumps	No Proposal	Nil	The mine is not in operation from 2018-2019.
4j	Number of settling ponds	No Proposal	Nil	The mine is not in operation from 2018-2019.
4k	Specific comments of inspecting officer on waste dump management	There is no valid mining plan from 2022.	As per office records, this mines is non-working from 2018 for want of Statuary Clearance.	Mine is inspected under FMCP inspection.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No Proposal	Nil	The mine is not in operation from 2018-2019.
5b	Area under backfilling of mined out area	No Proposal	Nil	The mine is not in operation from 2018-2019.
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 2018-2019.
5d	Total area fully reclaimed and rehabilitated	No Proposal	Nil	The mine is not in operation from 2018-2019.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	There is no valid mining plan from 2022.	As per office records, this mines is non-working from 2018 for want of Statuary Clearance.	Mine is inspected under FMCP inspection.

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).	It should be on or before 1st July every year.	Not Submitted	There is no valid mining plan from 2022.
6b	Area available for rehabilitation (ha) .	No Proposal	Nil	The mine is not in operation from 2018-2019.
6c	afforestation done (ha).	No Proposal	Nil	The mine is not in operation from 2018-2019.
6d	No. of saplings planted during the year	No Proposal	Nil	The mine is not in operation from 2018-2019.
6e	Cumulative no .of plants	No Proposal	Nil	The mine is not in operation from 2018-2019.
6f	Any other method of rehabilitation	No Proposal	Nil	The mine is not in operation from 2018-2019.

6g	Cost incurred on watch and care during the year	No Proposal	Nil	The mine is not in operation from 2018-2019.
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 2018-2019.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Proposal	Nil	The mine is not in operation from 2018-2019.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No Proposal	Nil	The mine is not in operation from 2018-2019.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal	Nil	The mine is not in operation from 2018-2019.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No Proposal	Nil	The mine is not in operation from 2018-2019.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No Proposal	Nil	The mine is not in operation from 2018-2019.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No Proposal	Nil	The mine is not in operation from 2018-2019.

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No Proposal	Nil	The mine is not in operation from 2018-2019.
6p	Compliance of environmental monitoring (core zone and buffer zone)	No Proposal	Nil	The mine is not in operation from 2018-2019.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	There is no valid mining plan from 2022.	As per office records, this mines is non-working from 2018 for want of Statuary Clearance.	Mine is inspected under FMCP inspection.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Proposal	Nil	The mine is not in operation from 2018-2019.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Proposal	Nil	The mine is not in operation from 2018-2019.
7c	Different grade of mineral sorted out at mines.	No Proposal	Nil	The mine is not in operation from 2018-2019.
7d	Any beneficiation process at mines	No Proposal	Nil	The mine is not in operation from 2018-2019.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	There is no valid mining plan from 2022.	As per office records, this mines is non-working from 2018 for want of Statuary Clearance.	Mine is inspected under FMCP inspection.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	Nil	The mine is not in operation from 2018-2019.
8b	Concurrent use or storage of topsoil	No Proposal	Nil	The mine is not in operation from 2018-2019.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	Nil	The mine is not in operation from 2018-2019.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Nil	The mine is not in operation from 2018-2019.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Nil	The mine is not in operation from 2018-2019.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No Proposal	Nil	The mine is not in operation from 2018-2019.
8g	Survival rate	No Proposal	Nil	The mine is not in operation from 2018-2019.
8h	Water sprinkling on roads to control airborne dust	No Proposal	Nil	The mine is not in operation from 2018-2019.
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.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	AR Submitted up to = 2022-2023	Annual Returns are submitted within time limit.	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 2018-2019 for want of statutory clearance.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Landuse pattern is shown	Nil	The mine is not in operation from 2018-2019 for want of statutory clearance.
9d	Scrutiny of Annual return on afforestation	Lessee has not planted any saplings during 2022-2023.	Nil	The mine is not in operation from 2018-2019 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 2018-2019 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 2018-2019 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 2018-2019 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 2018-2019 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 2018-2019 for want of statutory clearance.

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