

**INDIAN BUREAU OF MINES**  
**MINERALS DEVELOPEMNT AND REGULATION DIVISION**  
**Review and Updation of Mining Plan Report**  
**Chennai Regional Office**

**Mine file No:** TN/SLM/MG-3.MDS

**Mine code:** 39TMN11005

- (i) Name of the Inspecting Officer and ID No. : **(K08) G.SORNADURAI KANNAN**
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine Official with Designation : Thiru. Vishwanathan, Lessee Representative
- (iv) Date of Inspection : 29/10/2024
- (v) Prev. Inspection date : 04/10/2018

**PART-I: GENERAL INFORMATION**

1. (a) **Mine Name** : **KAMANAICKENAPATTI**
- (b) Registration No. : **IBM/5651/2011**
- (C) Category : A Other than Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
- State : TAMIL NADU
- District : SALEM
- Village : Thathaiyangerpatti, Moongilpadi
- Taluka : OMALUR & SALEM
- Post office : VELLAKKALPATTI
- Pin Code : 636005
- FAX No. : 0427-2341407
- E-mail : coosrell462@gmail.com
- Phone : 0427-2341404
- (f) Police Station : KARUPPUR
- (g) First opening date : 21.04.1980
- (h) Weekly day of rest : SUN
2. Address for correspondence : M/s. SAIL, P.B.No-565,  
Subramangalam Post,  
Salem - 636 005
3. (a) Lease Number : TMN0768
- (b) Lease area : 622.69 Hectares
- (C) Period of lease : 50 Years
- (d) Date of Expiry : 31.03.2030
4. Mineral Worked : Magnesite Main

5. Name and Address of the

Lessee : M/s. SAIL, P.B.No-565,  
Subramangalam Post,  
Salem - 636 005  
Tamilnadu  
Phone: 0427-2341407  
FAX : 0427-2341407

Owner : Thiru.Vishnukant Pandey,  
M/s. SAIL, P.B.No-565,  
Subramangalam Post,  
Salem - 636 005  
Phone: 0427-2341407  
FAX : 0427-2341407

Agent : Thiru.Vishnukant Pandey,  
M/s. SAIL, P.B.No-565,  
Subramangalam Post,  
Salem - 636 005

Mining Engineer

Name : Madhu Chitteti  
Qualification : Mining Engineer  
Appointment/ :  
Termination date

Geologist  
Name :  
Qualification :  
Appointment/ :  
Termination date

Manager  
Name : T.Anand Raj  
Qualification : Mining Engineer  
Appointment/ :  
Termination date

5. Date of approval of Mining : Renewal under rule 22 MCR1960 06/02/2004  
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 09/07/2014  
Mining Scheme rule 12 MCDR1988 29/08/2016

## SCIENTIFIC MINING

Sl. No	Item	Proposals	Actual Work	Remarks
<b>A. EXPLORATION:-</b>				
1a	Backlog of Previous Year	No Borehole has been proposed during 2023-2024	No Boreholes has drilled	The mine is not in operation from 2016-2017.
1b	Exploration Over Lease area for Geological Axis 1 or 2	No Additional exploration boreholes was proposed over the lease area during 2023-2024	Nil	Entire lease area is proved under G-1 category.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal for exploration during 2023-2024	No Boreholes has been drilled	So far 48 boreholes have been drilled in the lease upto 2023-2024. With total meterage 3192m.
1d	Balance area to be explored to bring Geological axis 1 or 2	Exploration was not proposed during 2023-2024.	No Exploration has been carried out during 2023-2024.	Entire area has been explored under G-1 category with 100m X 100m grid interval.
1e	Balance reserves as on 01/04/2024	As on 01.04.2024 Magnesite:- Proved Mineral Reserves (111) = 4789482 tons Pre-Feasibility Mineral Resources (221) = 64403228 tons. Pre-Feasibility Mineral Resources (222) = 371434532 tons. Dunite:- Proved Mineral Reserves (111) = 203460 tons Pre-Feasibility Mineral Resources (221) = 4163590 tons. Pre-Feasibility Mineral Resources (222) = 14242424 tons.	As on 01.04.2024 Magnesite:- Proved Mineral Reserves (111) = 14150827 tons Pre-Feasibility Mineral Resources (221) = 64403228 tons. Pre-Feasibility Mineral Resources (222) = 371434532 tons. Dunite:- Proved Mineral Reserves (111) = 1113299 tons Pre-Feasibility Mineral Resources (221) = 4163590 tons. Pre-Feasibility Mineral Resources (222) = 14242424 tons.	The available grade of Magnesite & Dunite in this lease Refractory Grade. The mine is not in operation for 2016-2017.
1f	General remarks of inspecting officer on geology, exploration etc.	Located at the foothills of Shevaroys. Due to weathering, Magnesite outcrop looks like Chalk hills.	The belt comprises of intrusive Dunite, Peridotite, Pyroxenite & Magnesite ore.	Magnesite deposit has emplaced as veins in the ultrabasic rocks

Sl. No	Item	Proposals	Actual Work	Remarks
<b>B. DEVELOPMENT:-</b>				
2a	Location of development w.r.t. lease area	During 2023-2024, it is proposed to work on Block-I & II in the existing pit, only Mineral reject is considered as waste.	Nil	The mine is not in operation from 2016-2017.
2b	Separate benches in topsoil, overburden and mineral	Mineral bench – I to X	Nil	The mine is not in operation from 2016-2017.
2c	Stripping ratio or ore to OB ratio	1 : 2.14 for Block-I & 1 : 15.84 for Block-II	Nil	The mine is not in operation from 2016-2017.
2d	Quantity of topsoil generation in m3	No Proposal during 2023-24	Nil	The mine is not in operation from 2016-2017.
2e	Quantity of overburden generation in m3	No overburden has been proposed during 2023-2024	Nil	The mine is not in operation from 2016-2017.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	During 2023-2024, it is proposed to work on Block-I & II in the existing pit.	No Topsoil & Overburden has been proposed during 2023-2024	The mine is not in operation from 2016-2017 for statutory clearance.

Sl. No	Item	Proposals	Actual Work	Remarks
<b>C. EXPLOITATION:-</b>				
3a	Number of Pit Proposed for Production	It is proposed to work in Block-I & II in the existing pit during 2023-24.	Nil	The mine is not in operation from 2016-2017.
3b	Quantity of ROM mineral production proposed	The total target of ROM Production proposed was 1891068 tons during 2023-2024.	Nil	The mine is not in operation from 2016-2017.
3c	Recovery of Sailable/ Usable Mineral from ROM Production	111249 tons of Magnesite & 66954 tons of Dunite mineral during 2023-2024	Nil	The mine is not in operation from 2016-2017.
3d	Quantity of mineral reject generation	1712865 tons of Mineral rejects during 2023-2024	Nil	The mine is not in operation from 2016-2017.
3e	Grade of mineral reject generation and threshold value declared	Peridotite is considered as mineral rejects.	Nil	The mine is not in operation from 2016-2017.
3f	Quantity of sub-grade mineral generation	No Sub Grade Generation	Nil	The mine is not in operation from 2016-2017.

3g	Grade of sub-grade mineral generation	There is No Generation of Subgrade Mineral	Nil	The mine is not in operation from 2016-2017.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method	Nil	The mine is not in operation from 2016-2017.
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Beneficiation Study is Proposed	Nil	The mine is not in operation from 2016-2017.
3j	Provision of drilling & blasting in mineral benches	Drilling & blasting are proposed with 110mm dia holes	Nil	The mine is not in operation from 2016-2017.
3k	Provision of mining machineries in mineral benches	Excavators Tippers Drills Compressor	Nil	The mine is not in operation from 2016-2017.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 to 6m height benches has been proposed during 2023-2024	Nil	The mine is not in operation from 2016-2017.
3m	Total area covered under excavation/pits	176 hectares	175 hectares	Existing pit. The mine is not in operation from 2016-2017.
3n	Ore to OB ratio for the pit/ mine during the year	1 : 2.14 for Block-I & 1 : 15.84 for Block-II	Nil	The mine is not in operation from 2016-2017.
3o	Total area put in use under different heads at the end of year	Land use Pattern as on 01.04.2024. Mines = 176 hect Road = 24 hect	Land use Pattern as on 01.04.2024. Mines = 175 hect Road = 24 hect	Landuse Pattern is updated based on submitted draft RMP
3p	Production of ROM mineral during last five-year period, as applicable	2023-2024 = 1891068 tons 2022-2023 = 2631452 tons 2021-2022 = 2030384 tons 2020-2021 = 2172822 tons 2019-2020 = 2382880 tons	2022-2023 = Nil 2021-2022 = Nil 2020-2021 = Nil 2019-2020 = Nil 2018-2019 = Nil	The mine is not in operation from 2016-2017 for want of statutory clearance.
3q	General remarks of inspecting officer on method of mining etc.	It is proposed to work in Block-I & II in the existing pit during 2023-24.	The total target of ROM Production proposed was 1891068 tons during 2023-2024.	The mine is not in operation from 2016-2017 for statutory clearance.

Sl. No	Item	Proposals	Actual Work	Remarks
<b>D. SOLID WASTE MANAGEMENT - DUMPING:-</b>				
4a	Separate Dumping of Topsoil, OB and Mineral Rejects	There is proposal for dumping of Mineral Reject in existing dump 5 in Block-I and Dump-1 in Block-II during 2023-2024.	Nil	The mine is not in operation from 2016-2017.
4b	Location of Topsoil, OB and Mineral Rejects Dumps	There is proposal for dumping of Mineral Reject in existing dump 5 in Block-I and Dump-1 in Block-II during 2023-2024.	Nil	The mine is not in operation from 2016-2017.

4c	Number of Dumps within Lease & Outside Lease area	Lease area = 72 Non Lease area = Nil	Lease area = 72 Non Lease area = Nil	Dumps are old and existing as per approved plan.
4d	Location of Dumps, within Ultimate Pit Limit (Rule-16)	Outside UPL	Nil	The mine is not in operation from 2016-2017.
4e	Number of Active & Alive Dumps	Active Dump = 5	Nil	The mine is not in operation from 2016-2017.
4f	No of Dead Dumps	No Proposal	Nil	The mine is not in operation from 2016-2017.
4g	No of Dumps Established	No Dumps have been established.	Nil	The mine is not in operation from 2016-2017.
4h	Whether Retaining Wall or Garland drain along Dumps are there	No Proposal	Nil	The mine is not in operation from 2016-2017.
4i	Length of Retaining Wall or Garland drain along Dumps	No Proposal	Nil	The mine is not in operation from 2016-2017.
4j	No of Settling tanks	No Proposal	Nil	The mine is not in operation from 2016-2017.
4k	Specific comments of inspecting officer on waste dump management	There is proposal for dumping during 2023-2024	There is proposal for dumping of Mineral Reject in existing dump 5 in Block-I and Dump-1 in Block-II during 2023-2024.	The mine is not in operation from 2016-2017 for statutory clearance.

Sl. No	Item	Proposals	Actual Work	Remarks
<b>E. SOLID WASTE MANAGEMENT - BACKFILLING:-</b>				
5a	Status of part or full extraction of mineral from mined out area before starting backfilling	No Backfilling has been proposed during 2023-2024	No backfilling has done during 2023-2024	The mine was not worked upto the proved depth and no backfilling were proposed during 2023-2024.
5b	Area under backfilling of mined out area	No Proposal	Nil	The mine is not in

				operation from 2016-2017.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	Nil	The mine is not in operation from 2016-2017.
5d	Total area fully reclaimed and rehabilitated	No Proposal	Nil	The mine is not in operation from 2016-2017.
5e	General remarks of inspecting officer on backfilling, reclamation etc	There is no proposal for backfilling during 2023-2024	The mine was not worked upto the proved depth and no backfilling were proposed during 2023-2024.	The mine is not in operation from 2016-2017 for want of statutory clearance.

Sl. No	Item	Proposals	Actual Work	Remarks
<b>F. PROGRESSIVE MINE CLOSURE PLAN:-</b>				
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	It should be on or before 1 <sup>st</sup> July every year.	Not Submitted for the year 2023-2024.	Not Submitted.
6b	Management of worked/ mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	i) No Proposal ii) No Proposal iii) No Proposal iv) No Proposal v) No Proposal vi) No Proposal	i) Nil ii) Nil iii) Nil iv) Nil v) Nil vi) Nil	The mine is not in operation from 2016-2017.
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/ tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	i) No Proposal ii) No Proposal iii) No Proposal iv) No Proposal v) No Proposal	i) Nil ii) Nil iii) Nil iv) Nil v) Nil	The mine is not in operation from 2016-2017.

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation  ii) Area rehabilitated (ha)  iii) Method of rehabilitation	i) 2000 saplings proposed along dump area for 2023-2024  ii) Proposed 2 hect in dump lease area for 2023-2024  iii) Green Belt development along dump.	i) Nil  ii) Nil  iii) Nil	The mine is not in operation from 2016-2017.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Bi-Annually Survey	Nil	The mine is not in operation from 2016-2017.
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	200 saplings proposed along dump area for 2023-2024	Proposed 2.0 hect in dump area for 2023-2024	The mine is not in operation from 2016-2017 for want of statutory clearance.

Sl. No	Item	Proposals	Actual Work	Remarks
<b>G. MINERAL CONSERVATION:-</b>				
7a	ROM mineral dispatch or grade wise sorting within lease area	The total target of ROM Production proposed was 1891068 tons during 2023-2024.	Nil	The mine is not in operation from 2016-2017.
7b	Method of Grade-wise mineral sorting i.e. manual or mechanical	Manual sorting of Magnetite & Dunite is proposed.	Nil	The mine is not in operation from 2016-2017.
7c	Different grade of mineral sorted out at mines	MgO = 35 – 49.5% CaO = 0.5 – 1.5%	Nil	The mine is not in operation from 2016-2017.
7d	Any beneficiation process at mines	Manually sorting and sizing proposed	Nil	The mine is not in operation from 2016-2017.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The total target of ROM Production proposed was 1891068 tons during 2023-2024.	Manually sorting and sizing proposed	The mine is not in operation from 2016-2017 for statutory clearance.

Sl. No	Item	Proposals	Actual Work	Remarks
<b>H. ENVIRONMENT:-</b>				
8a	Separate removal and utilization of topsoil	There is no proposal of Topsoil generation during 2023-2024	Nil	The mine is not in operation from 2016-2017.



8b	Concurrent use or storage of topsoil	No Proposal during 2023-2024	Nil	The mine is not in operation from 2016-2017.
8c	Separate dumps for overburden, waste rock, rejects and fines	There is proposal for dumping of Mineral Reject in existing dump 5 in Block-I and Dump-1 in Block-II during 2023-2024.	Nil	The mine is not in operation from 2016-2017.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal for backfilling during 2023-2024.	Nil	The mine is not in operation from 2016-2017.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal for backfilling during 2023-2024.	Nil	The mine is not in operation from 2016-2017.
8f	Baseline information on existence of plantation & additional plantation done	2000 saplings proposed along dump area for 2023-2024	Nil	The mine is not in operation from 2016-2017.
8g	Survival rate	No Proposal in the document.	Nil	The mine is not in operation from 2016-2017.
8h	Water sprinkling on roads to control airborne dust	Yes, it is proposed.	Nil	The mine is not in operation from 2016-2017.
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.	Surrounding area beyond lease area is greenery

Sl. No	Item	Comments		Remarks
<b>I. COMPLIANCE OF RULE-45:-</b>				
9a	Status of Submission of Monthly & Annual Returns	MR & AR are Submitted	Annual & Monthly returns are submitted in online	Both Annual & Monthly returns are submitted in online
Sl. No	Item	Details Given in A.R	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Full time Mining Engineer has been shown	Nil	The mine is not in operation from 2016-2017 for want of statutory clearance.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use Pattern as on 01.04.2024. Mines = 175 hect Road = 24 hect	Landuse Pattern is filled as per approved Mining Plan	The mine is not in operation from 2016-2017 for want of statutory clearance.
9d	Scrutiny of Annual return on afforestation	Nil	Nil	The mine is not in operation from 2016-2017 for want of statutory clearance.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	There is no Mineral Rejects Generation	Nil	The mine is not in operation from 2016-2017 for want of statutory clearance.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Magnesite stock as on 01.04.2024 ROM opening stock & Closing stock = 4500 tons. Dunite stock as on 01.04.2024 ROM opening stock & Closing stock = 600 tons.	There is no production and dispatches during 2023-2024	The mine is not in operation from 2016-2017 for want of statutory clearance.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of Production & Ex. Mine price has Zero	It is captive mine of M/s. SAIL	The mine is not in operation from 2016-2017 for want of statutory clearance.
9h	Scrutiny of Annual return on fixed assets	Fixed Assets is given the mines.	Fixed Assets is filled	The mine is not in operation from 2016-2017 for want of statutory clearance.
9k	Scrutiny of Annual return on mining machineries	Mining Machineries details not given	Not available in field due to non-working.	The mine is not in operation from 2016-2017 for want of statutory clearance.

**Details of violations observed during current inspection and compliance position of earlier violation pointed out:-**

There is no Violation pointed out because of mine is not working for want of statutory clearance.

**G.S.Kannan**  
**Senior Mining Geologist**