

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

Mine file No: TN/TPR/Mg-2.MDS

Mine code: 39TMN27002

- (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. Illavarasan, Qualified Person
- (iv) Date of Inspection : 07/12/2024
- (v) Prev. Inspection date : 27/07/2019

PART-I: GENERAL INFORMATION

1. (a) **Mine Name** : **PUNGANDURAI**
- (b) Registration No. : **IBM/9117/2012**
- (C) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
- State : TAMIL NADU
- District : TIRUPPUR
- Village : PUNGANDURAI
- Taluka : DHARAPURAM
- Post office : KARAIPALAYAM
- Pin Code : 638706
- FAX No. : -
- E-mail : integratedmine@gmail.com
- Phone : 0421-2209925
- (f) Police Station : Dharapuram
- (g) First opening date : 01.01.2010
- (h) Weekly day of rest : SUN
2. Address for correspondence : 22-A, Kumar Nagar South,
3rd Street,
Tiruppur - 641603
3. (a) Lease Number : TMN1533
- (b) Lease area : 3.635 Hectares
- (C) Period of lease : 50 Years
- (d) Date of Expiry : 21.10.2059
4. Mineral Worked : Magnesite Main

5. Name and Address of the

Lessee : A.S. Shankar Ganesan,
22-A, Kumar Nagar South,
3rd Street,
Tiruppur - 641603

Owner : A.S. Shankar Ganesan,
22-A, Kumar Nagar South,
3rd Street,
Tiruppur - 641603

Agent :

Mining Engineer

Name :
Qualification :
Appointment/
Termination date :

Geologist

Name :
Qualification :
Appointment/
Termination date :

Manager

Name :
Qualification :
Appointment/
Termination date :

5. Date of approval of Mining : Fresh under rule 22 MCDR1960 01/04/2009
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 31/07/2014

SCIENTIFIC MINING

Sl. No	Item	Proposals	Actual Work	Remarks
A. EXPLORATION:-				
1a	Backlog of Previous Year	5 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	5 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 28 boreholes have been drilled in the lease upto 2023-2024. With total meterage 535m.
1d	Balance area to be explored to bring Geological axis 1 or 2	Exploration was 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 Proved Mineral Reserves (111) = 474546 tons Pre-Feasibility Mineral Resources (221) = 1203000 tons.	As on 01.04.2024 Proved Mineral Reserves (111) = 680000 tons Pre-Feasibility Mineral Resources (221) = 1203000 tons.	The available grade of Magnesite in this lease area is 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 Shevaroy's. 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. DEVELOPMENT:-				
2a	Location of development w.r.t. lease area	During 2023-2024, it is proposed to work on Existing Pit.	Nil	The mine is not in operation from 2016-2017.
2b	Separate benches in topsoil, overburden and mineral	Mineral bench – V to VII	Nil	The mine is not in operation from 2016-2017.
2c	Stripping ratio or ore to OB ratio	1 : 1.22	Nil	The mine is not in operation from 2016-2017.

2d	Quantity of topsoil generation in m ³	No Proposal during 2023-24	Nil	The mine is not in operation from 2016-2017.
2e	Quantity of overburden generation in m ³	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 Existing Pit.	No overburden & Topsoil 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
C. EXPLOITATION:-				
3a	Number of Pit Proposed for Production	It is proposed to work in 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 114934 tons during 2023-2024.	Nil	The mine is not in operation from 2016-2017.
3c	Recovery of Sailable/ Usable Mineral from ROM Production	51833 tons of usable mineral during 2023-2024	Nil	The mine is not in operation from 2016-2017.
3d	Quantity of mineral reject generation	63101 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, dunite 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	No Drilling & blasting are proposed	Nil	The mine is not in operation from 2016-2017.
3k	Provision of mining machineries in mineral benches	Excavators Tippers	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	4m 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	1.80 hectares	1.18 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 : 1.22	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 = 1.80 hect Road = 0.03 hect	Land use Pattern as on 01.04.2024. Mines = 1.80 hect Road = 0.03 hect	Landuse Pattern is updated based on submitted draft RMP
3p	Production of ROM mineral during last five-year period, as applicable	2023-2024 = 114934 tons 2022-2023 = 90417 tons 2021-2022 = 102963 tons 2020-2021 = 104738 tons 2019-2020 = 42522 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 Existing pit during 2023-24.	The total target of ROM Production proposed was 114934 tons during 2023-2024.	The mine is not in operation from 2016-2017 for statutory clearance.

Sl. No	Item	Proposals	Actual Work	Remarks
D. SOLID WASTE MANAGEMENT - DUMPING:-				
4a	Separate Dumping of Topsoil, OB and Mineral Rejects	There is proposal for dumping during 2023-2024	Nil	The mine is not in operation from 2016-2017.
4b	Location of Topsoil, OB and Mineral Rejects Dumps	OB & Mineral reject dumps are proposed along the Dump-1 & II on Western side of lease area	Nil	The mine is not in operation from 2016-2017.
4c	Number of Dumps within Lease & Outside Lease area	Lease area = 2 Non Lease area = Nil	Lease area = 1 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 = 2	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	OB & Mineral reject dumps are proposed along the Dump-1 & II on Western side of lease area	The mine is not in operation from 2016-2017 for statutory clearance.

Sl. No	Item	Proposals	Actual Work	Remarks
E. SOLID WASTE MANAGEMENT - BACKFILLING:-				
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.
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Sl. No	Item	Proposals	Actual Work	Remarks
F. PROGRESSIVE MINE CLOSURE PLAN:-				
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 st 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) 30 saplings proposed along old dump of lease area for 2023-2024 ii) Proposed 0.01 hect in old dump of lease area for 2023-2024 iii) Green Belt development along old 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	30 saplings proposed along old dump of lease area for 2023-2024	Proposed 0.01 hect in old dump of lease 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
G. MINERAL CONSERVATION:-				
7a	ROM mineral dispatch or grade wise sorting within lease area	The total target of ROM Production proposed was 114934 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	There is no proposal for grade wise mineral sorting in the lease area.	Nil	The mine is not in operation from 2016-2017.
7c	Different grade of mineral sorted out at mines	MgO = 35 – 495% CaO = 0.5 – 2.5%	Nil	The mine is not in operation from 2016-2017.
7d	Any beneficiation process at mines	Manually sorting and sizing proposed	Inside the lease area there is no beneficiation process.	The mine is not in operation from 2016-2017.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Beneficiation process is Proposed	Manually sorting and sizing is being done	The available grade of Magnesite in this lease area is Refractory Grade.

Sl. No	Item	Proposals	Actual Work	Remarks
H. ENVIRONMENT:-				
8a	Separate removal and utilization of topsoil	No Proposal 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 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 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 during 2023-2024	Nil	The mine is not in operation from 2016-2017.
8f	Baseline information on existence of plantation & additional plantation done	30 saplings proposed along old dump of lease 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	Degraded Mining Land	Outside lease area, agriculture is done with drift irrigation.

Sl. No	Item	Comments		Remarks
I. COMPLIANCE OF RULE-45:-				
9a	Status of Submission of Monthly & Annual Returns	MR & AR are not Submitted	Annual & Monthly returns are not submitted in online	Both Annual & Monthly returns are not 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	Nil	Monthly & Annual Returns has not submitted.	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.	Nil	Monthly & Annual Returns has not submitted.	The mine is not in operation from 2016-2017 for want of statutory clearance.
9d	Scrutiny of Annual return on afforestation	Nil	Monthly & Annual Returns has not submitted.	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)	Nil	Monthly & Annual Returns has not submitted.	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	Nil	Monthly & Annual Returns has not submitted.	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	Nil	Monthly & Annual Returns has not submitted.	The mine is not in operation from 2016-2017 for want of statutory clearance.
9h	Scrutiny of Annual return on fixed assets	Nil	Monthly & Annual Returns has not submitted.	The mine is not in operation from 2016-2017 for want of statutory clearance.
9k	Scrutiny of Annual return on mining machineries	Nil	Monthly & Annual Returns has not submitted.	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