

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

Review and updation of Mining Plan REPORT

Chennai regional office

Mine file No : TN/TNL/LST-77.MDS

Mine code : 38TMN15069

- (i) Name of the Inspecting : **K08**) **G.SORNADURAI KANNAN**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Thiru. Ilavarasan, QP
Official with
Designation
- (iv) Date of Inspection : 22/03/2024
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **VINAYAGA MINES**
- (b) **Registration NO.** : **IBM/4947/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : TIRUNELVELI
Village :
Taluka :
Post office :
Pin Code :
FAX No. : 9443554233
E-mail : srivinayagamines234@gmai.co
Phone : 9443554233
- (f) Police Station :
- (g) First opening date : 01/07/1999
- (h) Weekly day of rest : SUN
2. Address for : VICKRAMASINGAPURAM VILL
correspondance : AMBASAMUDRAM TK
TIRUNELVELI DT.
3. (a) Lease Number : TMN1236
- (b) Lease area : 4.86
- (c) Period of lease : 20
- (d) Date of Expiry : 08/11/2018
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : B.SUNDARAM
 24/13, SOUTH STREET
 AMBALAVANNAPURAM
 VICKRAMASINGAPURAM
 TIRUNELVELI TAMIL NADU
 Phone:
 FAX :

Owner : B.SUNDARAM
 24/13, AMBALAVANAPURAM
 VICKRAMASINGAPURAM
 TIRUNELVELI DT TIRUNELVELI
 TAMIL NADU
 Phone:
 FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	12/12/1995
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	22/07/2005
		Mining Scheme rule 12 MCDR1988	10/01/2012
		Mining Scheme rule 12 MCDR1988	12/05/2016
		MP review under 17(1) MCR 2016	27/09/2019

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Borehole has been proposed.	No Boreholes has drilled	The mine is not in operation from 2017-2018.
1b	Exploration over lease area for geological axis 1 or 2	No proposal for the year 2022-2023.	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 2022-2023	No Boreholes has been drilled	So far 15 Boreholes has been drilled during 2018.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration was not proposed during 2022-2023.	No Exploration has been carried out during 2022-2023.	The mine is not in operation from 2017-2018.
1e	Balance reserve as on 01/04/20	As on 01.04.2023 Proved Mineral Reserves (111) = 388385 tons	As on 01.04.2023 Proved Mineral Reserves (111) = 455000 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 Archean complex of peninsular gneiss.	The deposit consists of Metamorphosed crystalline limestone associated with calc gneiss and quartzite.	Limestone is medium to coarse grained. More number of intrusions of pegmatite and quartz veins.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It is proposed to work in section line X1Y1-CD during 2022-23 and RMP is valid upto 2022-23.	Nil	The mine is not in operation from 2017-2018.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Bench -IV	Nil	The mine is not in operation from 2017-2018.

2c	Stripping ratio or ore to OB ratio	1 : 1.08	Nil	The mine is not in operation from 2017-2018.
2d	Quantity of topsoil generation in m3	No Proposal during 2022-2023	Nil	The mine is not in operation from 2017-2018.
2e	Quantity of overburden generation in m3	4212 tons of Overburden 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	There is no valid mining plan from 2023.	As per office records, this mines is non-working from 2017	The mine is not in operation from 2017-2018 for statutory clearance.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	It is proposed to work in single pit during 2022-23 and RMP is valid upto 2022-23.	Nil	The mine is not in operation from 2017-2018.
3b	Quantity of ROM mineral production proposed	16848 tons of ROM	Nil	The mine is not in operation from 2017-2018.
3c	Recovery of saleable/usable mineral from ROM production	10109 tons of saleable ore during 2022-2023	Nil	The mine is not in operation from 2017-2018.
3d	Quantity of mineral reject generation	6739 tons of Mineral rejects during 2022-2023	Nil	The mine is not in operation from 2017-2018.
3e	Grade of mineral rejects generation and threshold value declared.	High Silica	Nil	The mine is not in operation from 2017-2018.
3f	Quantity of sub grade mineral generation.	No Proposal during 2022-2023	Nil	The mine is not in operation from 2017-2018.
3g	Grade of sub grade mineral generation	No Proposal during 2022-2023	Nil	The mine is not in operation from 2017-2018.

3h	Manual / Mechanised method adopted for segregating from ROM	Manual 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 Proposal during 2022- 2023	Nil	The mine is not in operation from 2017-2018.
3j	Provision of drilling and blasting in mineral benches	Drilling & Blasting has been proposed.	Nil	The mine is not in operation from 2017-2018.
3k	Provision of mining machineries in mineral benches	No heavy earth machinery has been proposed.	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	3m height benches has been proposed during 2022- 2023	Nil	The mine is not in operation from 2017-2018.
3m	Total area covered under excavation/pits	3.50 hectares	1.61 hectares	Existing pit. The mine is not in operation from 2017-2018.
3n	Ore to OB ratio for the pit/mine during the year.	0 : 1.08	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 = 3.50 hect Road = 0.04 hect	Land use Pattern as on 01.04.2022. Mines = 1.61 hect Road = 0.04 hect	Landuse Pattern is updated based on submitted draft RMP
3p	Production of ROM mineral during the last five year period as applicable	2022-2023 = 16848 tons 2021-2022 = 16390 tons 2020-2021 = 16630 tons 2019-2020 = 16747 tons 2018-2019 = 14144 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.	It is proposed to work in single pit during 2022-23 and RMP is valid upto 2022-23.	As per office records, this mines is non-working from 2017	The mine is not in operation from 2017-2018 for statutory clearance.
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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)	Proposed Separate Dumping for Topsoil and Mineral Rejects	Nil	The mine is not in operation from 2017-2018.
4b	Location of topsoil, OB and mineral reject dumps	Western side of lease area	Nil	The mine is not in operation from 2017-2018.
4c	Number of dumps within lease area and outside of lease area	One within lease area	Nil	The mine is not in operation from 2017-2018.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Temporary dumping within UPL	Nil	The mine is not in operation from 2017-2018.
4e	Number of active and alive dumps.	One	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 Proposal	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	RMP is valid upto 2022-23.	As per office records, this mines is non-working from 2017	The mine is not in operation from 2017-2018 for statutory clearance.
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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	As per office records, this mines is non-working from 2017	The mine is not in operation from 2017-2018 for statutory clearance.

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 for the year 2022-2023.	The mine is not in operation from 2017-2018.
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 0.03 ha of 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	Afforestation on safety zone	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)	No Proposal	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.

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 16848 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 16848 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.
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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)	There is proposal for dumping 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 during 2022-2023	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	Degraded Mining Land	Outside lease area, agriculture is done with drift irrigation.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR & AR are not Submitted	Annual & Monthly returns are submitted in online	The mine is not in operation from 2017-2018.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	Monthly & Annual Returns has not submitted.	Mine is not working from 2017-2018 for want of Statuary 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.	Mine is not working from 2017-2018 for want of Statuary Clearance.
9d	Scrutiny of Annual return on afforestation	Nil	Monthly & Annual Returns has not submitted.	Mine is not working from 2017-2018 for want of Statuary Clearance.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Monthly & Annual Returns has not submitted.	Mine is not working from 2017-2018 for want of Statuary Clearance.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Monthly & Annual Returns has not submitted.	Mine is not working from 2017-2018 for want of Statuary Clearance.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Monthly & Annual Returns has not submitted.	Mine is not working from 2017-2018 for want of Statuary Clearance.

9h	Scrutiny of Annual return on fixed assets	Nil	Monthly & Annual Returns has not submitted.	Mine is not working from 2017-2018 for want of Statuary Clearance.
9k	Scrutiny of Annual return on mining machineries	Nil	Monthly & Annual Returns has not submitted.	Mine is not working from 2017-2018 for want of Statuary Clearance.

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(G.SORNADURAI KANNAN)

Indian Bureau of Mines