

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

Review and updation of Mining Plan REPORT

Chennai regional office

Mine file No : TN/TKD/LST-18/MDS.

Mine code : 38TMN31010

- (i) Name of the Inspecting : **K08**) **G.SORNADURAI KANNAN**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Thiru.M.Thanapal, Lessee and P.Vishwanathan, QP
Official with
Designation
- (iv) Date of Inspection : 11/02/2024
- (v) Prev.inspection date : 13/05/2022

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KALAIPPAIPATTI**
- (b) **Registration NO.** : **IBM/14531/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : THOOTHUKUDI (TUTICORIN)
Village : KALAIPPAIPATTI
Taluka : OTTAPIDARAM
Post office : OTTAPIDARAM
Pin Code : 628401
FAX No. :
E-mail : kumaranfath@gmail.com
Phone : 9842159219
- (f) Police Station :
- (g) First opening date : 01/10/2012
- (h) Weekly day of rest : SUN
2. Address for : 1/2b,
correspondance
3. (a) Lease Number : TMN1593
(b) Lease area : 4.7
(c) Period of lease : 20
(d) Date of Expiry : 08/07/2032
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M THANAPAL
12/B, NORTH STREET,
BHARATHI NAGAR. KOVILPATTI
- THOOTHUKUDI DISTRICT.
THOOTHUKUDI (TUTICORIN)
TAMIL NADU
Phone:
FAX :

Owner : M THANAPAL
12/B, NORTH STREET.
BHARATHI NAGAR. KOVILPATTI
- THOOTHUKUDI - DISTRICT.
THOOTHUKUDI (TUTICORIN)
TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining	:	MP modif under MCR 1960	01/08/2014
Plan/Scheme of Mining	:	MP review under 17(1) MCR 2016	31/05/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Valid approved plan for the year 2022-2023. RMP is valid upto 2021-22.	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 Valid approved plan 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	Nil
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 2016-2017.
1e	Balance reserve as on 01/04/20	As on 01.04.2023 Proved Mineral Reserves (111) = 103250 tons	As on 01.04.2023 Proved Mineral Reserves (111) = 155373 tons	The available grade of Limestone in this lease cement Grade. The mine is not in operation for 2016-2017.
1f	General remarks of inspecting officers on geology, exploration etc	It is part of Archean complex of peninsular gneiss.	The deposit consists of Granite Gneiss and Crystalline limestone intruded by younger granite.	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	There is no Proposal during 2022-23 and RMP is valid upto 2021-22.	Nil	The mine is not in operation from 2016-2017.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Proposal	Nil	The mine is not in operation from 2016-2017.

2c	Stripping ratio or ore to OB ratio	No Proposal	Nil	The mine is not in operation from 2016-2017.
2d	Quantity of topsoil generation in m3	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
2e	Quantity of overburden generation in m3	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
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 2016	The mine is not in operation from 2016-2017 for statutory clearance.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	There is no Proposal during 2022-23 and RMP is valid upto 2021-22.	Nil	The mine is not in operation from 2016-2017.
3b	Quantity of ROM mineral production proposed	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
3c	Recovery of sailable/usable mineral from ROM production	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
3d	Quantity of mineral reject generation	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
3e	Grade of mineral rejects generation and threshold value declared.	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
3f	Quantity of sub grade mineral generation.	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
3g	Grade of sub grade mineral generation	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.

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 2016-2017.
3j	Provision of drilling and blasting in mineral benches	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
3k	Provision of mining machineries in mineral benches	No Proposal during 2022-2023	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	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
3m	Total area covered under excavation/pits	No Proposal during 2022-2023	Nil	No Proposal during 2022-2023
3n	Ore to OB ratio for the pit/mine during the year.	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
3o	Total area put in use under different heads at the end of year	No Proposal	Land use Pattern as on 01.04.2022. Mines = 0.73 hect Road = 0.31 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 = No Proposal 2021-2022 = 8294 tons 2020-2021 = 7436 tons 2019-2020 = 7436 tons 2018-2019 = 8580 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 officers on method of mining etc.	There is no valid mining plan from 2022.	As per office records, this mines is non-working from 2016	The mine is not in operation from 2016-2017 for statutory clearance.

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 2016-2017.
4b	Location of topsoil, OB and mineral reject dumps	No Proposal	Nil	The mine is not in operation from 2016-2017.
4c	Number of dumps within lease area and outside of lease area	No Proposal	Nil	The mine is not in operation from 2016-2017.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Nil	The mine is not in operation from 2016-2017.
4e	Number of active and alive dumps.	No Proposal	Nil	The mine is not in operation from 2016-2017.
4f	Number of dead dumps.	No Proposal	Nil	The mine is not in operation from 2016-2017.
4g	Number of dumps established.	No Proposal	Nil	The mine is not in operation from 2016-2017.
4h	Whether Retaining wall or garland drain all along dumps are there.	No Proposal	Nil	The mine is not in operation from 2016-2017.
4i	Length of Retaining wall or garland drain all along dumps	No Proposal	Nil	The mine is not in operation from 2016-2017.
4j	Number of settling ponds	No Proposal	Nil	The mine is not in operation from 2016-2017.
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 2016	The mine is not in operation from 2016-2017 for statutory clearance.

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 2016-2017.
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 mineral 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 officers on backfilling and reclamation etc.	There is no valid mining plan from 2022.	As per office records, this mines is non-working from 2016	The mine is not in operation from 2016-2017 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.	There is no valid mining plan from 2022.
6b	Area available for rehabilitation (ha) .	No Proposal	Nil	The mine is not in operation from 2016-2017.
6c	afforestation done (ha).	No Proposal	Nil	The mine is not in operation from 2016-2017.
6d	No. of saplings planted during the year	No Proposal	Nil	The mine is not in operation from 2016-2017.
6e	Cumulative no .of plants	No Proposal	Nil	The mine is not in operation from 2016-2017.
6f	Any other method of rehabilitation	No Proposal	Nil	The mine is not in operation from 2016-2017.

6g	Cost incurred on watch and care during the year	No Proposal	Nil	The mine is not in operation from 2016-2017.
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 2016-2017.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Proposal	Nil	The mine is not in operation from 2016-2017.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No Proposal	Nil	The mine is not in operation from 2016-2017.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal	Nil	The mine is not in operation from 2016-2017.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No Proposal	Nil	The mine is not in operation from 2016-2017.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No Proposal	Nil	The mine is not in operation from 2016-2017.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No Proposal	Nil	The mine is not in operation from 2016-2017.

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No Proposal	Nil	The mine is not in operation from 2016-2017.
6p	Compliance of environmental monitoring (core zone and buffer zone)	No Proposal	Nil	Nil
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 2016	The mine is not in operation from 2016-2017 for statutory clearance.

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 2016-2017.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Proposal	Nil	The mine is not in operation from 2016-2017.
7c	Different grade of mineral sorted out at mines.	No Proposal	Nil	The mine is not in operation from 2016-2017.
7d	Any beneficiation process at mines	No Proposal	Nil	The mine is not in operation from 2016-2017.
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 2016	The mine is not in operation from 2016-2017 for statutory clearance.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
8b	Concurrent use or storage of topsoil	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
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 2016-2017.
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 2016-2017.
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 2016-2017.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
8g	Survival rate	No Proposal during 2022-2023	Nil	The mine is not in operation from 2016-2017.
8h	Water sprinkling on roads to control airborne dust	No Proposal during 2022-2023	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.

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	Returns are submitted.	Both Annual & Monthly returns are submitted in online system.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Full time Mining Engineer & Geologist has not shown	Nil	Mine is not working from 2016-2017 for want of Statuary Clearance.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use Pattern as on 01.04.2023. Mines = 7.25 hect Roads = 0.308 hect	Nil	Mine is not working from 2016-2017 for want of Statuary Clearance.
9d	Scrutiny of Annual return on afforestation	Nil	Nil	Mine is not working from 2016-2017 for want of Statuary Clearance.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	There is no Mineral Rejects Generation	Nil	Mine is not working from 2016-2017 for want of Statuary 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	Mine is not working from 2016-2017 for want of Statuary Clearance.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil	Mine is not working from 2016-2017 for want of Statuary Clearance.
9h	Scrutiny of Annual return on fixed assets	Fixed Assets is given.	Fixed Assets is filled	Mine is not working from 2016-2017 for want of Statuary Clearance.
9k	Scrutiny of Annual return on mining machineries	Machineries details not given	Not available in field due to non-working.	Mine is not working from 2016-2017 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