

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

**Review and updation of Mining Plan REPORT**

**Chennai regional office**

**Mine file No :** TTN/TCR/GNT-10.MDS **Mine code :** 26TMN14012

- (i) Name of the Inspecting : **D009** ) **D.CHANDRA SEK HAR REDDY**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sri. G.sournadurai kannan SMG & P.Viswanathan QP  
Official with  
Designation
- (iv) Date of Inspection : 25/02/2024
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KOTTATHUR(2.100) GARNET**
- (b) **Registration NO.** : **IBM/13799/2012**
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : TIRUCHIRAPALLI
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. :
- E-mail : yesyesmine@gmail.com
- Phone : 044-24980330 / 9444417805
- (f) **Police Station** : THURAIYUR
- (g) **First opening date** : 21/01/2012
- (h) **Weekly day of rest** : SUN
2. **Address for** : NO:40,KARIKALAN STREET,  
**correspondance** WORAIYUR  
TRICHY -3
3. (a) **Lease Number** : TMN1589
- (b) **Lease area** : 2.1
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 30/03/2030
4. **Mineral worked** : GARNET Main

## 5. Name and Address of the

Lessee : L.SAMUEL BASKARAN.  
NO.40,KARAIKALAM STREET,  
WORAIYUR, TIRUCHIRAPALLI  
TAMIL NADU  
Phone:  
FAX :

Owner : L.SAMUL BHASKARAN  
S.S.MINERALS,  
NO:40,KARIKALAN STREET,  
WORAIYUR, TRICHY-3.  
TIRUCHIRAPALLI TAMIL NADU  
Phone: 42088758 / 9444  
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 20/10/2008  
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 06/05/2015

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	The area is fully explored under G1 category
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	Geo Exploration and Mining Solution conducted total No.of 6 Bore holes with 15mtrs depth completed during the year 2010-2011 .
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	NIL
1e	Balance reserve as on 01/04/20	—	39000 tonnes.	NIL
1f	General remarks of inspecting officers on geology, exploration etc	—	—	Placer deposit. Mine not in operation since 2013.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NIL	NIL	Mine not in operation since 2013.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NIL	NIL	One small pit exist.
2c	Stripping ratio or ore to OB ratio	NIL	NIL	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	Mine not in operation since 2013.
2e	Quantity of overburden generation in m3	NIL	NIL	Mine not in operation since 2013.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	—	—	Mine not in operation since 2013.
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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	NIL	NIL	No valid MP/ROMP document. Mine not in operation since 2013.
3b	Quantity of ROM mineral production proposed	NIL	NIL	NIL
3c	Recovery of sailable/usable mineral from ROM production	NIL	NIL	NIL
3d	Quantity of mineral reject generation	NIL	NIL	Mine not in operation since 2013
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	NIL	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NIL	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	NIL	NIL	NIL

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3k	Provision of mining machineries in mineral benches	NIL	NIL	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NIL	NIL	No valid MP/ROMP available.
3m	Total area covered under excavation/pits	NA	A small pit of old excavation partly filled with Topsoil exist.	NIL
3n	Ore to OB ratio for the pit/mine during the year.	NIL	NIL	NIL
3o	Total area put in use under different heads at the end of year	2018-19-8052 Ts 2019-20-8062 Ts 2020-21- Nil 2021-22- Nil 2022-23 - Nil	2018-19- Nil 2019-20- Nil 2020-21- Nil 2021-22- Nil 2022-23 - Nil	Government of Tamilnadu has stopped all the Garnet mines since 2013 .No working take place.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NIL	NIL	Mine not in operation since 2013.
4b	Location of topsoil, OB and mineral reject dumps	NIL	NIL	Mine not in operation since 2013.
4c	Number of dumps within lease area and outside of lease area	NIL	NIL	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NIL	NIL
4e	Number of active and alive dumps.	NIL	NIL	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	NIL	NIL	NIL

4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	NIL
4j	Number of settling ponds	NIL	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	—	—	Mine not in operation since 2013.

#### 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.	NIL	NIL	Mineral not exhausted fully. Mine in not in operation since 2013.
5b	Area under backfilling of mined out area	NIL	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	. Mine in not in operation since 2013.
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	Mineral not exhausted fully. Mine in not in operation since 2013.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	—	—	Mineral not exhausted fully. Mine in not in operation since 2013.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	No valid document in place.	NIL	Mine not in operation since 2013
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	NIL	NIL	Mine not in operation since 2013
6d	No. of saplings planted during the year	NIL	NIL	Mine not in operation since 2013
6e	Cumulative no .of plants	NA	NIL	Mine not in operation since 2013
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	NIL	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NIL	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NIL	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	NIL

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	No waste land available.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	NIL	NIL	Mine not in operation since 2013.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	—	—	Mine not in operation since 2013 No valid MP/ROMP document approved.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	Mine not in operation since 2013.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	NIL	NIL
7c	Different grade of mineral sorted out at mines.	NIL	NIL	NIL



7d	Any beneficiation process at mines	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	—	—	Mine not in operation since 2013.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	Mine not in operation since 2013.
8b	Concurrent use or storage of topsoil	NIL	NIL	Mine not in operation since 2013.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	NIL	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	Mine not in operation since 2013. Mineral not exhausted.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	NIL	Mine not in operation since 2013. Thorny bushes covered the area.
8g	Survival rate	NIL	NIL	NIL

8h	Water sprinkling on roads to control airborne dust	NIL	NIL	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	—	—	Mine not in operation since 2013

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR for the year 2022-23 not submitted.	NIL	Mine not in operation since 2013.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AR fot thr year 2022-23 not submitted.	No manager, mining engineer, Geologist employed.	Mine not in operation since 2013.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR fot thr year 2022-23 not submitted.	NIL	Mine not in operation since 2013.
9d	Scrutiny of Annual return on afforestation	AR fot thr year 2022-23 not submitted.	NIL	Mine not in operation since 2013.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	AR fot thr year 2022-23 not submitted.	NIL	Mine not in operation since 2013.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	AR fot thr year 2022-23 not submitted.	NIL	Mine not in operation since 2013.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL	NIL
9h	Scrutiny of Annual return on fixed assets	AR fot thr year 2022-23 not submitted.	NIL	NIL

9k	Scrutiny of Annual return on mining machineries	AR fot thr year 2022-23 not submitted.	NIL	Mine not in operation since 2013.
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**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 :**

(D.CHANDRA SEKHAR REDDY)

Indian Bureau of Mines