

INDIAN BUREAU OF MINES MINERAL DEVELOPMENT AND REGULATION DIVISION MCDR INSPECTION REPORT Chennai Regional Office		
Mine file No. TN/TCR/GNT-68.MDS		Mine code - 26TMN14014
(i)	Name of the inspecting officer & Designation	Sri G.Sournadurai Kannan, Senior Mining geologist and Sri.D.chandra sekhar Reddy. Assistant Mining Engineer
	Accompanied mine official and designation	Shri. Illavarasan QP.
(iii)	Date of inspection	21/12/2024 under ROMP.
PART-I: General Information		
1. (a)	Mine Name	M.Kalathur garnet mine .3.25 Hc..
(b)	Registration Number	IBM/7329/2011
(c)	Category	A
(d)	Type of Working	Opencast
(e)	Postal Address	Sri.Subramanian Vaikundarajan, Managing Director 7ML ,their Road Keeraikanthattu,Tisayanvillai Mahadevankulam, Tirunelveli-627657.
	State	Tamilnadu
	District	Trichy
	Village	M.Kalathur
	Taluka	Thottiyam
	Post Office	M.Kalathur
	Police station	kattuputhur
	Pin Code	621207
	FAX No.	--
	E-mail	Vsn@vvgroup.biz
	Phone	9443152349
(f)	Police Station	Kattuputhur.
(g)	First opening date	17/11/2011
(h)	Weekly day of rest	SUN
2.	Address for correspondence	M/S Nexus corporate 127,Trivandrum Road, Murugankurichi,Palayamkottai, Tirunelveli- 627002
3. (a)	Lease Number	Not Available
(b)	Lease Area	3.25 Ha
(c)	Period of lease	30 years
(d)	Date of expiry	16/11/2041.
4.	Mineral worked	Garnet.
5.	Name and address of the Lessee/owner: Agent:	M/S Nexus corporate 127,Trivandrum Road, Murugankurichi,Palayamkottai, Tirunelveli- 627002 NIL

	Manager: Engineer: Geologist:	NIL NIL NIL
6	Date of Approval of Mining Plan/Modified Mining Plan with five – year period and specific condition in approval letter, if any.	1. TN/TCR/MP/GNT/1767/MDS Dated 17.03.2011
	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five – year period and specific condition in approval letter, if any.	NIL.

PART-II : OBSERVATION / COMMENTS OF INSPECTING OFFICERS**EXPLORATION**

S. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	No proposal	Nil	Mine not in operation since 2016-17. No valid document
1b	Exploration over lease area for Geological axis 1 or 2.	NIL	Area explored under G1 & G2 level.	NIL
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	NIL.
1e	Balance reserves as on 01.04.2024 (111 Category)	-	111 - 155520 tonnes 211-128070 tons lockedup	NIL
1f	General comments of inspecting officer on geology, exploration etc.	-	-	Mine not in operation since 2016-17 onwards..

DEVELOPMENT

S. No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	Southern end of lease area towards North side	NIL	Mine not in operation since 2016-17 onwards.
2b	Separate benches in topsoil, overburden and minerals (Rule 13 of MCDR-2017)	No proposal	NIL	Mine not in operation since 2016-17 onwards.
2c	Stripping ratio or ore to OB ratio	1:4.0	NIL	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	NIL	NIL	80% of ROM is waste(Source: AMP)
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.	--	--	Mine not in operation since 2016-17 onwards.

EXPLOITATION

S. No.	Item	Proposals	Actual Work	Remarks
3a	Number of Pit proposed for production	No approved document for the period under review.	NIL	Mine not in operation since 2016-17 onwards..
3b	Quantity of ROM mineral production proposed	NIL.	NIL	NIL
3c	Recovery of salable/usable mineral from ROM production	1193 tonnes.60% recovery.	NIL	NIL
3d	Quantity of mineral reject generation	NIL.	NIL	NIL
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 / Mechanized method adopted for segregating from ROM	NIL.	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
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 RoMP	NIL.	NIL	NIL
3m	Total area covered under excavation/pits	0.24	0.24	NIL
3n	Ore to OB ratio for the pit/mine during the year.	NIL	NIL	Mine not in operation since 2016-17 onwards..
3o	Total area put in use under different heads at the end of year	NIL	NIL	NIL

3p	Production of ROM mineral during the last five-year period as applicable	2019-20 : NIL	2019-20 - NIL	No approved document.
		2020-21 : NIL	2020-21 ; NIL	
		2021-22 : NIL	2021-22 : NIL	
		2022-23 : NIL	2022-23 : NIL	
		2023-24 : NIL	2023-24 : NIL	
3q	General remarks of inspecting officers on method of mining etc.	-	-	Mine not in operation since 2016-17 onwards..

SOLID WASTE MANAGEMENT- DUMPING :

S. No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 36,37)	NIL	NIL	Mine not in operation since 2016-17 onwards.
4b	Location of topsoil, OB and mineral reject dumps	NIL.	NIL	No valid document
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 2016-17 onwards

SOLID WASTE MANAGEMENT-BACKFILLING

S. No.	Item	Proposals	Actual Work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No valid approved document	NIL	Mine not in operation since 2016-17 onwards.
5b	Area under backfilling of mined out area	NIL	Nil	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NIL	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc	--	--	Mine not in operation since 2016-17 onwards.

PROGRESSIVE MINE CLOSURE PLAN

S. No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 26 (2)	NIL	Not submitted.	Mine not in operation since 2016-17 onwards.
6b	Area available for rehabilitation (ha).	NIL	Nil	NIL
6c	Afforestation done (ha).	NIL	NIL	NIL
6d	No. of saplings planted during the year	NIL	NIL	NIL
6e	Cumulative no. of plants	--	NIL	Naturally grown bushes and plants exist.
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 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	NIL
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	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	--	Mine not in operation since 2016-17 onwards..document after 2018-19

MINERAL CONSERVATION

S. No.	Item	Proposals	Actual Work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No approved document available.	NIL	Mine not in operation since 2016-17 onwards.
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 2016-17 onwards.

ENVIRONMENT

S. No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	Mine not in operation since 2016-17 onwards.
8b	Concurrent use or storage of topsoil	NIL	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL.	NIL	NIL
8d	Use of overburden, waste rock, rejects and fines dump 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	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	NIL.	NIL
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 2016-17 onwards.

COMPLIANCE UNDER RULE-45

S. No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	AR not submitted in New portal.	NIL	Mine not in operation since 2016-17 onwards.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NIL	NIL	Mine not in operation since 2016-17 onwards.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NIL	NIL.	Total lease Area shown under current workings
9d	Scrutiny of Annual return on afforestation	NIL.	NIL	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	NIL
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	NIL	NIL	NIL
9i	Scrutiny of Annual return on mining machineries	NIL.	NIL	NIL

Details of violations observed during current inspection and compliance position of violations pointed out					
Violation observed			Show cause position		
Rule No.	Issued on	Compliance on	Rule No.	Issued on	Compliance on

(G.Sournadurai kannan)
Senior mining geologist

(D.Chandrasekhar Reddy)
Assistant Mining Engineer.

Date:

