

<b>INDIAN BUREAU OF MINES</b> <b>MINERAL DEVELOPMENT AND REGULATION DIVISION</b> <b>MCDR INSPECTION REPORT</b> <b>Chennai Regional Office</b>		
<b>Mine file No.SLM/MG-36.MDS Vol-II</b>		<b>Mine code - 39TMN11011</b>
(i)	Name of the inspecting officer & Designation	<b>KUMERESH A</b> Senior Assistant Controller of Mines
(ii)	Accompanied mine official and designation	Shri. A.K Jayson- Director Shri. Jawahar Vishnu Bala S – Manager Shri. A.Nagaraju - Geologist
(iii)	Date of inspection	26.06.2024
	Date of previous inspection	21.09.2023
<b>PART-I: General Information</b>		
1.	Mine Name	KODNDAPPANAICKENPATTY MAGNESITE MINE
(b)	Registration Number	IBM/14090/2012
(c)	Category	A
(d)	Type of Working	Opencast
(e)	Postal Address State District Village Taluka Post Office Pin Code FAX No. E-mail Phone	M/s. India Magnesia Product Ltd Balaji Towers ( 3rd Floor) 11/239 , Ramakrishna Road Salem – 636 007, Telephone: 0427-2315955 Fax: 0427-2317559 Mobile: 09442622348 Email Id: indiamagnesia@gmail.com
(f)	Police Station	Kannankurichi
(g)	First opening date	20.08.1993
(h)	Weekly day of rest	Sunday
2.	Address for correspondence	Shri.A.K Jayson 473/3 Pon Nagar Salem -636008 Mobile : 09442622348
3.	Lease Number	TMN1626
	Lease Area	19.02.0 Ha – Non - Forest
	Period of lease	50 years
	Date of expiry	07.08.2036

4.	Mineral worked	Magnesite
5.	Name and address of the Lessee:  Owner:   Agent:  Manager:   Engineer:   Geologist:	M/s. India Magnesia Product limited  Shri.A.K Jayson 473/3 Pon Nagar Salem -636008 Mobile : 09442622348  Nil  Jawahar Vishnu Bala S 5/2, Thohzuvapalli Street Pethanaickenpalayam Attur ( T.K) Tamil Nadu PIN 636109 Mobile : +918870198839 Date of Appointment: 26.07.2019  Jawahar Vishnu Bala S B.E Mining Engineering Total Experience : 11 Years Attur ( T.K) Tamil Nadu PIN 636109 Mobile : +918870198839 Date of Appointment: 02.07.2018  Mr. A. Nagaraju, M. Sc. Geology Year of passing: April 2013.
6	Date of Approval of Mining Plan/Modified Mining Plan with five – year period and specific condition in approval letter, if any. Date of Approval of Scheme of Mining/Modified Scheme of Mining with five – year period and specific condition in approval letter, if any.	Fresh under Rule 22 MCR 1960: 25.01.1996 Mining Scheme rule 12 MCDR 1988: 31.07.2001 Renewal under rule 24 MCR 1960:19.08.2005 Mining Scheme rule 12 MCDR 1988: 03.11.2012 Mining Scheme rule 12 MCDR 1988: 03.03.2016 Mining plan modification under rule 17(3) MCR 2016: 01.09.2020

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

S. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	6 Nos ( 186 m) Auger holes	6 Nos ( 179 m) Auger holes	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	-	-	

1d	Balance area to be explored to bring Geological axis in 1 or 2	-	-	Entire area already explored to G1 level
1e	Balance reserves as on 01.04.2024 (111 Category)	1.521 MT	1.355 MT	Refractory grade magnesite
1f	General comments of inspecting officer on geology, exploration etc.	-	-	Exploration work carried out in the area is satisfactory

**DEVELOPMENT**

S. No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	North South Block	North South Block	-
2b	Separate benches in topsoil, overburden and minerals (Rule 13 of MCDR-2017)	Proposed	Maintained	As per proposal
2c	Stripping ratio or ore to OB ratio	1:13.28	1:12.96	-
2d	Quantity of topsoil generation in m3	Nil	Nil	-
2e	Quantity of overburden generation in m3	Nil	Nil	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.	--	--	--

**EXPLOITATION**

S. No.	Item	Proposals	Actual Work	Remarks
3a	Number of Pit proposed for production	01	01	Only one pit, as proposed.
3b	Quantity of ROM mineral production proposed	20916 Tonnes	16455 Tonnes	Nil
3c	Recovery of salable/usable mineral from ROM production	20916 Tonnes	16455 Tonnes	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	NA
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized	Mechanized	Nil

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Manual Sorting was done	Nil
3j	Provision of drilling and blasting in mineral benches	Nil	Nil	Nil
3k	Provision of mining machineries in mineral benches	Yes	Yes	Back Hoe - 2 Excavator-1 Rockbreaker-1 Water Tanker-1 Tippers-4
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in RoMP	6m bench height 6m bench width	6m bench height 6m bench width	Suitable for method of mining
3m	Total area covered under excavation/pits	9.67	9.67	Within proposed limits
3n	Ore to OB ratio for the pit/mine during the year.	1:13.28	1:12.96	Development was less due to waterlogging in the pit
3o	Total area put in use under different heads at the end of year	19.02	19.02	Nil
3p	Production of ROM mineral during the last five-year period as applicable	2019-20=281704 Ts 2020-21=183545 Ts 2021-22=181616 Ts 2022-23=132901Ts 2023-24=20916 Ts	2019-20=423300 Ts 2020-21=224435 Ts 2021-22=357575 Ts 2022-23=357423 Ts 2023-24=16455 Ts	
3q	General remarks of inspecting officers on method of mining etc.	-	-	Nil

**SOLID WASTE MANAGEMENT-DUMPING**

S. No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 36,37)	Backfilling on South Block	Backfilled on South Block	Nil
4b	Location of topsoil, OB and mineral reject dumps	Western side & South western side	West side & South west side	Nil
4c	Number of dumps within lease area and outside of lease area	2 Dumps	2 Dumps	One dump outside the ML
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of active and alive dumps.	1	1	Nil
4f	Number of dead dumps.	1	1	Nil
4g	Number of dumps established.	Nil	Nil	Stablised with plantations.
4h	Whether Retaining wall or	Nil	Nil	Nil

	garland drain all along dumps are there.			
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	Earthen bund existed.
4j	Number of settling ponds	Nil	Nil	Exists 3 nos on western side and eastern side
4k	Specific comments of inspecting officer on waste dump management	--	--	--

**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.	After Full extraction of mineral	Backfilling will be done after full extraction of mineral	
5b	Area under backfilling of mined out area	0.446 Ha	0.381 Ha	Due to less generation of waste
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc	--	--	--

**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)	Yes	Yes	Submitted through online on 22.06.2024
6b	Area available for rehabilitation (ha).	Nil	Nil	
6c	Afforestation done (ha).	0.08	0.08	
6d	No. of saplings planted during the year	100	200	
6e	Cumulative no. of plants	2081	2281	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	--	--	--
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D)	0.446 Ha	0.381 Ha	Pit was partly backfilled

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation backfilled area	100 nos.	100 nos.	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	100 Nos	100 Nos	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodical monitoring	Periodically monitored	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	--	Satisfactory.

**MINERAL CONSERVATION**

S. No.	Item	Proposals	Actual Work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	yes	Manual sorting is done
7b	Method of grade wise mineral sorting i.e. manual or mechanical.	Manual	Manual	Nil
7c	Different grade of mineral sorted out at mines.	Mgo:35%-49% Cao:0.5%-2.5%	Mgo:35%-49% Cao:0.5%-2.5%	
7d	Any beneficiation process at mines	Nil	Manual sorting is done	Nil
7e	General remarks of inspecting officer on Mineral Conservation & beneficiation issues	-	-	Refractory grade magnesite and dunite mined.

**ENVIRONMENT**

S. No.	Item	Proposals	Actual Work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Backfilling on South Block & North block	Backfilling on South Block & North block	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling on South Block & North block	Backfilling on South Block & North block	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2281	1390	Species planted 1. Casuarina equisetifolia 2. Pungarina glabra 3. Azadirachta Indica 4. Syzyguim cumini 5. Tamarindus indica Thespesia populnea
8g	Survival rate	70%	60%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	--	--	Satisfactory.

**COMPLIANCE UNDER RULE-45**

S. No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual returns submitted regularly		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer -cum Manager – Jawahar Vishnu Bala S  Geologist – A. Nagaraju		

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Reclaimed area – Nil Dumps - 6.72 Ha Occupied by buildings, roads etc.- 0.20 Ha Under PMCP – 0.08 Ha Others - 2.35 Ha		
9d	Scrutiny of Annual return on afforestation	Plantation – 200 Nos Area - 0.08 Ha		
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			Magnesite Stock – 345.580 tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex- Mine Price - Rs. 4745.75 Cost of Production - Rs. 4249.00		
9h	Scrutiny of Annual return on fixed assets	RS. 1154226.00		
9i	Scrutiny of Annual return on mining machineries	Back Hoe - 2 Excavator-1 Rockbreaker-1 Water Tanker-1 Tippers-4	Back Hoe - 2 Nos Excavator-1 Rockbreaker-1 Water Tanker-1 Tippers-4	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
11(1)	08.07.2024	20.08.2024			

Date:

**KUMERESH A**  
**SrAsst Controller of Mines**  
Indian Bureau of Mines