

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

**MCDR inspection REPORT**

**Chennai regional office**

**Mine file No :** TN/SLM/MG-18/ MDS

**Mine code :** 39TMN11009

- (i) Name of the Inspecting : **D009** ) **D.CHANDRA SEK HAR REDDY**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : B.Rajesh kumar Mining Engineer, K.prakash mines manag  
Official with  
Designation
- (iv) Date of Inspection : 22/09/2023
- (v) Prev.inspection date : 06/11/2022

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SRI PONGURU(77.5H)**
- (b) **Registration NO.** : **IBM/5017/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : SALEM
- Village : JAGIR AMMAPALAYAM
- Taluka : SALEM
- Post office : JAGIR AMMAPALAYAM
- Pin Code : 636302
- FAX No. : 0427-2345937
- E-mail : pongurumagnesitemines@gmail
- Phone : (0427) 2345937, 6533520
- (f) Police Station : SALEM
- (g) First opening date : 02/09/1965
- (h) Weekly day of rest : SUN
2. Address for : Sri S.SUNDARARAJAN, S/o Late M.Subramaniam  
correspondance 5/22-A,Periyakollapatti, Kannankuruchi Post,  
SALEM - 636 008
3. (a) Lease Number : TMN0384
- (b) Lease area : 78.38
- (c) Period of lease : 20
- (d) Date of Expiry : 01/09/1985
4. Mineral worked : MAGNESITE Main

## 5. Name and Address of the

Lessee : S.SUNDARARAJAN  
 S/o Late M.Subramaniam  
 5/22-A,Periyakollapatti,  
 Kannankuruchi Post, SALEM  
 TAMIL NADU  
 Phone:0427-2345937/6533520  
 FAX :

Owner : S.Sundararajan  
 S/o Late M.Subramaniam  
 5/22-A,Periyakollapatti,  
 Kannankuruchi Post, SALEM  
 TAMIL NADU  
 Phone: 0427-2345937/65  
 FAX :

Agent : C.NARAYANAN  
 SRI PONGURU MG. MINES  
 PERIAGOLAPATTY SALEM SALEM  
 TAMIL NADU  
 Phone: 0427-441897( MINES)  
 FAX :

## Mining Engineer

Name : B.Rajesh,Full Time  
 Qualification : BE (MINING)  
 Appointment/ : 01/12/2018  
 Termination date

## Geologist

Name : Abdul Nisar,Full Time  
 Qualification : MSC(Geo)  
 Appointment/ : 16/11/2020  
 Termination date

## Manager

Name : K.PRAKASH  
 Qualification : B.E MINING  
 Appointment/ : 18/09/2023  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	31/05/2000
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	12/11/2004
		Mining Scheme rule 12 MCDR1988	24/04/2009
		Mining Scheme rule 12 MCDR1988	07/04/2014
		MP review under 17(1) MCR 2016	13/11/2018

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No propoal during the year 2022-23.	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	Entire ML area explored to G1 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	—	11401012 tonnes.	NIL
1f	General remarks of inspecting officers on geology, exploration etc	—	—	Entire ML area explored to G1 level. satisfactory.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Block-A, Block-B and Block-C.	As per proposal.	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No topsoil bench. Ob, Mineral benches proposed.	Separate benches in Ob , mineral maintained.	NIL
2c	Stripping ratio or ore to OB ratio	1:13.28	1:14.7	Nil
2d	Quantity of topsoil generation in m3	NIL	NIL	No topsoil generation.
2e	Quantity of overburden generation in m3	401779 tonnes.	224330 tonnes.	Due tpo lack of demand less devlopment and production work.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	—	—	Production and development is lower side due to low market demand. violation pointed out.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3	3	NIL
3b	Quantity of ROM mineral production proposed	1080053 tonnes.	479186 tonnes	Low production due to market conditions. Violation pointedout.
3c	Recovery of sailable/usable mineral from ROM production	75604 tonnes.	30526 tonnes	Low production due to market conditions. Violation pointedout.
3d	Quantity of mineral reject generation	1004449 tonnes.	448660 tonnes.	
3e	Grade of mineral rejects generation and threshold value declared.	Below Thresh hold value	Below threshhold value.	10% recovery of Dunite mentioned.
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	Manual method.	Manual method.	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	Wagon drill and jackhammer drilling proposed.	As per proposal drilling practiced.	NIL
3k	Provision of mining machineries in mineral benches	HEM deployment on benches proposed.	Hydraulic shovels ,Rock breaker ,Tippers ,Wagon drills deployed.	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6.5m height and 10m width benches proposed.	As per proposal maintained.	NIL
3m	Total area covered under excavation/pits	38.12 Ha	38.12 Ha	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:13.28	1:14.7	NIL
3o	Total area put in use under different heads at the end of year	—	Covered under pits - 38.12 Hc. Dumps- 24.43 Hc. Infra structure -0.15 Hc. Others - 14.80 Hc.	NIL
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 1078750 tonnes. 2019-20 - 1084040 tonnes. 2020-21- 1079108 tonnes 2021-22- 1092915 tonnes 2022-23- 1080053 tonnes	2018-19- 871916 tonnes 2019-20- 426929 tonnes 2020-21- 502032 tonnes 2021-22 -534441 tonnes 2022-23- 479186 tonnes	NIL
3q	General remarks of inspecting officers on method of mining etc.	—	—	Production and devlopment was not achieved as per proposal. Violation pointed out.

## 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 topsoil generation. Waste is proposed to Dump over existing Dump.	As per proposal carried out.	NIL
4b	Location of topsoil, OB and mineral reject dumps	East, North & Western side of lease area	East, North & Western side of lease area	NIL
4c	Number of dumps within lease area and outside of lease area	6	6	with in ML area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump Located around the Ultimate Pit Limit.	Dump Located around the Ultimate Pit Limit.	NIL
4e	Number of active and alive dumps.	2	2	NIL
4f	Number of dead dumps.	2	2	NIL
4g	Number of dumps established.	2	2	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	—	—	Satisfactory.

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Solid Waste Management - Backfilling:

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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	NIL
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	Topsoil already removed used for plantation purpose.
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	No part of ML area fully reclaimed and rehabilitated.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	—	—	Mining operations are in advancing state.

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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).	Yes.	Submitted.	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	1 Hc	As per proposal along lease boundary, roads.office area.	NIL
6d	No. of saplings planted during the year	300	1000	NIL
6e	Cumulative no .of plants	—	5400	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL

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6g	Cost incurred on watch and care during the year	NA	1,50,000	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x 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 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)	Yes.	periodical monitoring is being done.	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	—	—	Mining operations are continuing.Satisfactory.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	yes, grade wise separation proposed.	As per proposal High grade,Low grade and Dunite sorted out.	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mannual	Mannual	NIL
7c	Different grade of mineral sorted out at mines.	Refractory grade.	Refractory grade.	Dunite stacked separately.
7d	Any beneficiation process at mines	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	—	—	Satisfactory.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	No topsoil generation.
8b	Concurrent use or storage of topsoil	NIL	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes, proposed.	OB/waste dump and Dunite dump maintained.	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	Mine workings are not matured for reclamation and rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	300 saplings proposed during 2022-23.	1000 saplings planted during 2022-23.	NIL
8g	Survival rate	70%	50%	NIL
8h	Water sprinkling on roads to control airborne dust	Proposed.	water tanker used for srinkling on haul roads.	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	—	—	Greenary maintained along lease boundary and , roads, office area. Satisfactory.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Submitted.	Monthly and AR2022-23 submitted.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	P.G.Thankachan - Manager B.Rajesh kumar Mining Engineer Abdul Nisar - geologist.	K.Prakash - Manager B.Rajesh kumar Mining Engineer Abdul Nisar - geologist.	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given.	Covered under current workings - 38.12 Hc. Dumps - 24.43 Hc. Building etc. - 0.15 Hc. Others - 14.80 Hc.	NIL
9d	Scrutiny of Annual return on afforestation	Details given.	1000 saplings planted against proposal of 300 saplings .	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Details given.	No mineral reject generation.	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details given.	30526 tonnes	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Details given.	cost of production -Rs. 4485.67 Ex.Mine price - Rs.4999.42 appears reasonable.	NIL
9h	Scrutiny of Annual return on fixed assets	Details given.	Rs.22517316	NIL

9k	Scrutiny of Annual return on mining machineries	Details given. Mining machinery AIR COMPRESSOR available in mine. 12.100 CUM/MN -1 AIR COMPRESSOR 4.500 CUM/MN - 1 ROCK DRILL (NON-ELEC.) 110.000 MM- 1 ROCK DRILL (NON-ELEC.) 32.000 MM -1 SHOVEL (HYDRAULIC) 0.800 CUM - 7 OTHERS (NON- ELEC.) 0.260 - 1 OTHERS (NON- ELEC.) 50.000 -Dozer -1 TRUCK 9.000 TONNE -2 DUMPER 25.000 TONNE- 10 WATER TANKER 10KL-1, 5KL-1	NIL
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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	16/10/2023			
MCDR17	Rule 33	16/10/2023			

**Date :**

(D.CHANDRA SEKHAR REDDY)

Indian Bureau of Mines