

**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 : **G039**) **G.C.Sethi**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri.P.G.Thankachan - Mines Manager & Sri. B. Rajesh K
Official with
Designation
- (iv) Date of Inspection : 06/11/2022
- (v) Prev.inspection date : 08/09/2021

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 : C.CHENNIAPPAN,Full Time
 Qualification : MSc(Stat),F.C.M.
 Appointment/ : 20/01/2000
 Termination date

Mining Engineer

Name : K.PRAKASH,Full Time
 Qualification : B.E MINING
 Appointment/ : 05/09/2016
 Termination date

Geologist

Name : M.Karthikumar,Full Time
 Qualification : M.Sc Geology
 Appointment/ : 01/07/2017
 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 proposal.	No backlog .	Entire ML area explored to G 1 level.
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal during the year 2021-22.	NIL	NIL
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	—	12414639 tonnes as on 01/04/2022.	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	Proposed in 3blocks ,eastren side and central part of the lease area. Block-A&B: N900400 to N900650, E900750 to E900950 Block-c: N99600 to N99800 and E100400 to 100600.	As per proposal	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No topsoil bench. OB and mineral bench proposed.,	Separate benches in OB and mineral maintained.	NIL

2c	Stripping ratio or ore to OB ratio	1:13.28	1:14	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	No topsoil generation.
2e	Quantity of overburden generation in m3	447829 tonnes.	454156 tonnes.	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	—	—	Satisfactory.

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	1092915 tonnes	534441 tonnes.	Lower side due to less demand.
3c	Recovery of sailable/usable mineral from ROM production	76504 tonnes @7 % recovery.	32439 tonnes.	Due to low market demand.
3d	Quantity of mineral reject generation	Dunite@10%of ROM- 109292 tonnes	Dunite 47846 tonnes.	Dunite stacked separately.
3e	Grade of mineral rejects generation and threshold value declared.	Below thresh hold value. 10 % Dunite generation proposed.	below tresh hold value.	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	Mannual segregation	Mannual segregation	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	Wagondrill& jackhammer drill.	As per proposal only.	NIL
3k	Provision of mining machineries in mineral benches	HEM deployment in mineral benches proposed.	Hydraulic (shovel) excavator, 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	benches with 6.5 m height and 10 m width proposed	As per proposal only.	NIL
3m	Total area covered under excavation/pits	38.12 Hc	37.92 Hc.	Less developement & production.
3n	Ore to OB ratio for the pit/mine during the year.	1:13.28	1:14	NIL
3o	Total area put in use under different heads at the end of year	—	Covered under current workings-37.92 HC. waste disposal - 24.43 Hc. plant, building, roads etc. - 0.15 HC. Afforestation & mineral storage - 1.4 HC.	NIL
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 1084300 tonnes 2018-19 - 1078750 tonnes 2019-20 - 1084040 tonnes. 2020-21 - 1079108 tonnes 2021-22 - 1092915 tonnes.	2017-18 - 1042490 tonnes 2018-19 - 871916 tonnes 2019-20 - 384236 tonnes. 2020-21 - 462668 tonnes 2021-22 - 534441 tonnes.	NIL
3q	General remarks of inspecting officers on method of mining etc.	—	—	Satisfactory.

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No topsoil dump. waste dump and stacking of Dunite separately.	As per proposal only.	NIL
4b	Location of topsoil, OB and mineral reject dumps	Southeast,East , Northwest,West ,South side of ML area.	Dumping of waste done per proposal only.	Dunite dumped separately.
4c	Number of dumps within lease area and outside of lease area	6	6	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps located around the UPL	Dumps located along UPL.	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 during the year.	NIL
4j	Number of settling ponds	NIL	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	—	—	Temp. dumps maintained ,and backfilled after total extraction.

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.	No proposal of backfiling during the year 2021-22	NIL	NIL

5b	Area under backfilling of mined out area	No proposal.	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	No topsoil generation.
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 progress. satisfactory.

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).	300 saplings	1500 saplings	Pheriferial barrier .
6d	No. of saplings planted during the year	1 Hc.	As per proposal.	Pheriferial barrier .
6e	Cumulative no .of plants	—	4400	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL
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 (Lx B x D	No proposal during the year	NIL	NIL

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal .	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	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	No waste land available.	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes.	Quarterly monitoring being done.	NIL

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	—	—	Satisfactory.
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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.	Dunite stacked separately.
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	High grade and Low grade wise.
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
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	No topsoil generation.
8b	Concurrent use or storage of topsoil	NIL	NA	NIL

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes proposed.	Waste dump, dunite stock dump maintained.	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal for the year 2021-22.	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	NIL	Mine workings not matured for reclamation & rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	300 saplings.	1500	NIL
8g	Survival rate	70%	50%	NIL
8h	Water sprinkling on roads to control airborne dust	Yes. proposed.	Water tanker used for water sprinkling on haul roads.	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	—	—	Satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted.	Monthly returns and AR 2021-22 submitted.	NIL

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details submitted.	Manager -P.G.Thankachan FMMCC Mining engineer - B Bajesh kumar BE (Mining) Geologist - Abdul Nisar MSC (Geo)	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given under part-1, item 12.	Covered under current workings-37.92 HC. waste disposal - 24.43 Hc. plant,building,roads etc. - 0.15 HC. Afforestation & mineral storage - 1.4 HC.	NIL
9d	Scrutiny of Annual return on afforestation	Details given under part-V ,item 4.4.	1000 saplings planted within lease area and 500 saplings outside lease area.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Details given under part-V sec.4	NIL. No mineral reject generation.	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details given under part-VI item 1&2.	32439 tonnes	NIL. Less production against proposal.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Details given under part-VI,item-2.	Ex-mine price Rs.4840/-	NIL
9h	Scrutiny of Annual return on fixed assets	Details given under part-11A,table.	Rs.26490959	NIL
9k	Scrutiny of Annual return on mining machineries	Details given under part-V, sec5/6/8/9	Air compressor-12.1 cu/min-1 No. Air compressor-4.5cu/min-1 No. Rock drill-110mm-1 No. Rock drill-32mm-1 No. Shovel(Hydraulic)-0.8 Cum-7 No's Shovel others(Nonelc)-0.26cum-1 No. shovel others(Nonelc)-50cum-1 No. Dozer -180 HP-1 No. Dumpers -9 T-2No's. Truck-25 T - 10 No's. Water tanker 10000 L-1 No. water tanker-5000 L.-1 No.	NIL

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 27(2)	24/11/2022			

Date :

(G.C.Sethi)

Indian Bureau of Mines