

**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 : S011 ) SALIL SANDIP KUJUR  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : MR RAJESH -MINING ENGINEER , MINE GEOLOGIST  
Official with  
Designation
- (iv) Date of Inspection : 22-NOV-20
- (v) Prev.inspection date : 17-OCT-19

**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-SEP-65
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : Sri S.SUNDARARAJAN, S/o Late M.Subramaniam  
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-SEP-85
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-JAN-00  
 Termination date

## Mining Engineer

Name : K.PRAKASH,Full Time  
 Qualification : B.E MINING  
 Appointment/ : 05-SEP-16  
 Termination date

## Geologist

Name : M.Karthikumar,Full Time  
 Qualification : M.Sc Geology  
 Appointment/ : 01-JUL-17  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	31-MAY-00
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	12-NOV-04
		Mining Scheme rule 12 MCDR1988	24-APR-09
		Mining Scheme rule 12 MCDR1988	07-APR-14
		MP review under 17(1) MCR 2016	13-NOV-18

## 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	G1	G1	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	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	1,29,16,671 Ts	4,26,929 Ts MINERAL PRODUCTION	NIL
1f	General remarks of inspecting officers on geology, exploration etc	-	-	SATISFACTORY

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Southern side & south east side of the pit	Southern side & south east side of the pit	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top Soil : There is no top soil in mines because of rocky hills & terrains OB/MINERAL REJECTS BENCHES=5 ORE BENCHES=3	Top Soil : There is no top soil in mines because of rocky hills & terrains OB/MINERAL REJECTS BENCHES=5 ORE BENCHES=3	AS PER PLAN
2c	Stripping ratio or ore to OB ratio	1:14.28	1:14.2	AS PER PROPOSAL
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL

2e	Quantity of overburden generation in m3	449876	198522	LESS PRODUCTION & LESS REJECTS
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	SATISFACTORY

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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	1084040	426929	NIL
3c	Recovery of sailable/usable mineral from ROM production	75883	29885	NIL
3d	Quantity of mineral reject generation	1008157	397044	ALL WITHIN LIMIT
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NA	NA	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised method is used for excavation but segregation is done manually.	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	na	na	nil

3j	Provision of drilling and blasting in mineral benches	Wagon Drill & Jack Hammer	Wagon Drill & Jack Hammer	as per proposal
3k	Provision of mining machineries in mineral benches	Hyd. Excavator - 9 Rock Breaker - 1 Wagon Drill - 2 Jack Hammer - 4 Compressor - 2 Leyland Tippers - 12 AMW&Mahindra- 0 Jcb Shovel- 0 Water Tankers - 2	Hyd. Excavator - 9 Rock Breaker - 1 Wagon Drill - 2 Jack Hammer - 4 Compressor - 2 Leyland Tippers - 12 AMW&Mahindra- 0 Jcb Shovel- 0 Water Tankers - 2	as per plan
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	height=6 metres width=6 mtrs	height=6 metres width=6 mtrs , HEIGHT & WIDTH ARE MAINTAINED AS PER PROPOSAL	nil
3m	Total area covered under excavation/pits	38.12 Ha	37.70Ha	AS PER PLAN
3n	Ore to OB ratio for the pit/mine during the year.	1:14.28	1:14.20	WITHIN LIMIT
3o	Total area put in use under different heads at the end of year	pit=37.70 dumps=24.43 infra=0.05 roads=.10 plantation=5 unultlized=10.25	pit=37.70 dumps=24.43 infra=0.05 roads=.10 plantation=5 unultlized=10.25	nil, as per plan
3p	Production of ROM mineral during the last five year period as applicable	2014-15 1085000 2015-16 1079800 2016-17 1082500 2017-18 1084300 2018-19 1078750 2019-20 1084040	2014-15 1001686 2015-16 1023132 2016-17 1134391 2017-18 1042490 2018-19 871916 2019-20 426929	within limit

3q General remarks - - satisfactory  
of inspecting  
officers on  
method of mining  
etc.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Over Burden : Waste is proposed to Dump over existing Dump	Over Burden : Waste is proposed to Dump over existing Dump	nil
4b	Location of topsoil, OB and mineral reject dumps	East, North & Western side of lease area	East, North & Western side of lease area	7 dumps are there but two are in use.
4c	Number of dumps within lease area and outside of lease area	7	7	nil
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	2
4g	Number of dumps established.	2	2	2
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	yes garland drains are made	nil
4i	Length of Retaining wall or garland drain all along dumps	-	200 mtrs	nil
4j	Number of settling ponds	PIT IS USED AS SETTLING POND	PIT IS USED AS SETTLING POND	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
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NO BACFILLING	NO BACFILLING	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)	NA	NA	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NA	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	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	NA	NIL
6c	afforestation done (ha).	300	2000	AS PER ANNUAL REPORT ONLY IN PREPHERIAL BARRIER.
6d	No. of saplings planted during the year	300	2000	NIL
6e	Cumulative no .of plants	3800	3800	NIL
6f	Any other method of rehabilitation	NA	NIL	NIL

6g	Cost incurred on watch and care during the year	NA	NA	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	NA	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	PIT IS USED ARE WATER STORAGE	PIT IS USED ARE WATER STORAGE	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NO WASTE LAND AVAILABLE	NA	NO WASTE LAND AVAILABLE
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NO WASTE LAND AVAILABLE	NIL



6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NO WASTE LAND AVAILABLE	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	QUARTERLY BASIS	DONE QUARTERLY BASIS	DATA ARE WITHIN LIMIT
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	Yes	NIL, AS PER PROPOSAL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	NIL
7c	Different grade of mineral sorted out at mines.	Refractory Grade	Refractory Grade	NIL
7d	Any beneficiation process at mines	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	--	-	SATISFACTORY.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	NO TOPSOIL	NO TOPSOIL AVAILABLE	NIL
8b	Concurrent use or storage of topsoil	NA	NA	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	NIL, ONLY REJECTS DUMPS AVAILABLE
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	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)	-	3800	NIL
8h	Water sprinkling on roads to control airborne dust	YES	WATER SPRINKLER ARE USED	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines 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	SUBMITTED IN TIME	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager SRI.N.VENKATA SUBRAMANIAM Mining Engineer in charge SRI.B.RAJESHKU MAR Geologist in charge SRI.M.KARTHICK KUMAR	PRESENT	NIL

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Lease area (surface area) utilisation as at the end of year (hectares) Under forest Outside forest Total (i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 37.670 37.670 (iii) Reclaimed/Rehabilitated 0.000 0.300 0.300 (iv) Used for waste disposal 0.000 24.430 24.430 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.150 0.150 (vi) Other Purpose (AFFORESTATION) ) 0.000 1.000 1.000 (vii) Work	Lease area (surface area) utilisation as at the end of year (hectares) Under forest Outside forest Total (i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 37.670 37.670 (iii) Reclaimed/Rehabilitated 0.000 0.300 0.300 (iv) Used for waste disposal 0.000 24.430 24.430 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.150 0.150 (vi) Other Purpose (AFFORESTATION) 1.000 1.000 (vii) Work	NIL
9d	Scrutiny of Annual return on afforestation	300 PROPOSED	2000 PLANTED	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Quantity back filled 354351	PROVIDEED IN THE AR	NIL

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Grades Opening stock at mine head (in tonne) Production (in tonne) Dispatches from mine head (in tonne) Closing stock at mine head (in tonne) Ex-mine price (in ? Per Tonne)	Grades Opening stock at mine head (in tonne) Production (in tonne) Dispatches from mine head (in tonne) Closing stock at mine head (in tonne) Ex-mine price (in ? Per Tonne)	PROVIDED
		(a) Magnesite 28625.000	(a) Magnesite 28625.000 28420.000	
		28625.000	30090.000 4312.00	
		29885.000		
		28420.000		
		30090.000		
		4312.00		
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Item Cost Per Tonne (in ?) ) (i) Direct Cost 2836.53 (a) Exploration 0.00 (b) Mining 2836.53 (c) Beneficiation( Mechanical Only) 0.00 (ii) Over-head cost 48.08 (iii) Depreciation 39.67 (iv) Interest 208.39 (v) Royalty 104.19 (vi) Taxes 59.29 (vii) Dead Rent 0.00 (viii) Others (specify) Pro agencies 7.12 Total 3303.27	Item Cost Per Tonne (in ?) ) (i) Direct Cost 2836.53 (a) Exploration 0.00 (b) Mining 2836.53 (c) Beneficiation( Mechanical Only) 0.00 (ii) Over-head cost 48.08 (iii) Depreciation 39.67 (iv) Interest 208.39 (v) Royalty 104.19 (vi) Taxes 59.29 (vii) Dead Rent 0.00 (viii) Others (specify) Pro agencies 7.12 Total 3303.27	COST PER TONNES PROVIDED

9h	Scrutiny of Annual return on fixed assets	Description As at the beginning of the year Additions during the Year Sold or discarded during the year Depreciation during the year Net closing Balance (2+3)-(4+5) Estimated market value (i) Land 0 0 0 0 0 0 (ii) Building Industrial 0 0 0 0 0 0 Residential 0 0 0 0 0 0 (iii) Plant and Machinery including transport equipment 7903920 0 0 1185588 6718332 0 (iv) Capitalised Expenditure such as pre-production exploration, development, major overhaul and repair to machinery etc. (As prescribed under Inco	Description As at the beginning of the year Additions during the Year Sold or discarded during the year Depreciation during the year Net closing Balance (2+3)-(4+5) Estimated market value (i) Land 0 0 0 0 0 0 (ii) Building Industrial 0 0 0 0 0 0 Residential 0 0 0 0 0 0 (iii) Plant and Machinery including transport equipment 7903920 0 0 1185588 6718332 0 (iv) Capitalised Expenditure such as pre-production exploration, development, major overhaul and repair to machinery etc. (As prescribed under Inco	NIL
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9k	Scrutiny of Annual return on mining machineries	Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) AIR COMPRESSOR 12.100 CUM/MN 1 Non Electrical Opencast AIR COMPRESSOR 4.500 CUM/MN 1 Non Electrical Opencast ROCK DRILL (NON ELEC.) 110.000 MM 1 Non Electrical Opencast ROCK DRILL (NON ELEC.) 32.000 MM 1 Non Electrical Opencast SHOVEL (HYDRAULIC) 0.800 CUM 7 Non Electrical Opencast ROCK DRILL (NON ELEC.) 32.000 MM 1 Non Electrical Opencast OTHERS (NON-ELEC.) 0.260 1 Non Electrical Opencast OTHERS (NON-ELEC.) 50.000 1 Non Elect	Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) AIR COMPRESSOR 12.100 CUM/MN 1 Non Electrical Opencast AIR COMPRESSOR 4.500 CUM/MN 1 Non Electrical Opencast ROCK DRILL (NON ELEC.) 110.000 MM 1 Non Electrical Opencast ROCK DRILL (NON ELEC.) 32.000 MM 1 Non Electrical Opencast SHOVEL (HYDRAULIC) 0.800 CUM 7 Non Electrical Opencast OTHERS (NON-ELEC.) 0.260 1 Non Electrical Opencast OTHERS (NON-ELEC.) 50.000 1 Non Elect	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

Date :

(SALIL SANDIP KUJUR)

Indian Bureau of Mines