

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

**MCDR INSPECTION REPORT**

**Chennai regional office**

**Mine file No :** TN/KRR/LST-28.MDS

**Mine code :** 38TMN28016

- (i) Name of the Inspecting : **A027** ) **A.S.SANJEEVA RAO**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : P.Murugan,Rep of Lessee.A.Natarajan,Rep of QP.  
Official with  
Designation
- (iv) Date of Inspection : 04-APR-18
- (v) Prev.inspection date : 02-FEB-17

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **THENNALAI(2.37HA)**
- (b) **Registration NO.** : **IBM/6930/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : KARUR
- Village : THENNILAI
- Taluka : KULITHALAI
- Post office : PUNJAPATTI
- Pin Code :
- FAX No. :
- E-mail : Kulithalaikps@ymail.com
- Phone : 04323222044
- (f) Police Station : Kulithalai
- (g) First opening date : 29-NOV-97
- (h) Weekly day of rest : SUN
2. Address for : THENNALAI VILL  
correspondance KULITHALAI TK  
KARUR DT.
3. (a) Lease Number : TMN1099
- (b) Lease area : 3.04
- (c) Period of lease : 20
- (d) Date of Expiry : 03-FEB-18
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : K.PANNERSELVAM,M/S RAJVIGNESH MINES&MINE  
C-39,CAUVERY NAGAR  
KULITHALAI KARUR TAMIL  
NADU  
Phone:  
FAX :

Owner : K.PANNERSELVAM  
51, RAMU STREET  
ANNATHANAPATTI SALEM SALEM  
TAMIL NADU  
Phone:  
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 30-SEP-04  
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 09-MAY-14

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil.	06 no of DTH bore holes.	As per formJ in Feb 2016.
1b	Exploration over lease area for geological axis 1 or 2	Axis-1	Axis-1	Reserve estimated upto 29m depth .
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil.	Nil.	Exploration carried out in May, 2018.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil.	Nil.	-
1e	Balance reserve as on 01/04/20	3601 tonnes- (111)	104685 tonnes- (111)	Mine not in operation from 2016.
1f	General remarks of inspecting officers on geology, exploration etc		Depth persistence has been proved upto 30m from surface.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	RL-84m to 79m	Existing pit dimension is 1:100X80X10-12m approximately.	The existing pit dimension is 1:100X80X10-12m approximately.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches for top soil and mineral .	Being maintained.	Top soil cover is thin about 1m height.
2c	Stripping ratio or ore to OB ratio	Nil	There is no over burden.	-
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	There is no approved proposal. Mine is not working since 2016.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Nil	Nil	There is no approved proposal.
3b	Quantity of ROM mineral production proposed	Nil	Nil	-
3c	Recovery of sailable/usable mineral from ROM production	NIL	70% of limestone	As per previous production data upto 2015-16.
3d	Quantity of mineral reject generation	Nil	Nil	-
3e	Grade of mineral rejects generation and threshold value declared.	Country rock granite gneiss.	Country rock granite gneiss.	-
3f	Quantity of sub grade mineral generation.	Nil.	Nil.	-
3g	Grade of sub grade mineral generation	Nil.	Nil.	-
3h	Manual / Mechanised method adopted for segregating from ROM	Nil.	Nil.	Mine is not working since 2016.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil.	-
3j	Provision of drilling and blasting in mineral benches	Jack hammer operated by compressed air -portable compressor.	Nil.	Mine is not working.

3k	Provision of mining machineries in mineral benches	Yes.	4-6m width .	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	4m	upto 4m	-
3m	Total area covered under excavation/pits	1.06hect.	1.00hect.	-
3n	Ore to OB ratio for the pit/mine during the year.	0.44	Nil	Mine is not working.
3o	Total area put in use under different heads at the end of year	1.06hect.	1.00hect.	-
3p	Production of ROM mineral during the last five year period as applicable	Year -ROM Production in tonnes 2013-14: '- 2014-15:11726  2015-16:80080  2016-17:56160	ROM Production in tonnes 2013-14:'- 2014-15:13189 2015-16:18130 2016-17:NIL	Production is within the proposed limits.
3q	General remarks of inspecting officers on method of mining etc.		Mine is not working since 2016.	Violation of rule 28(1) of 2107 has been communicated to lessee.

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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)	Proposed.	Separate Maintained .	There is no generation as mine is not working ,since 2016.'

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4b	Location of topsoil, OB and mineral reject dumps	Southern part of ML.	Maintained as proposed.	-
4c	Number of dumps within lease area and outside of lease area	Three dumps.	One dump.	No generation .Mine is not working ,since 2016.'
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	On non mineralised area.	Exist on non mineralised area.	-
4e	Number of active and alive dumps.	Three dumps.	One dump within ML.	Approximate dump dimensions are 80x40x4-5m height.
4f	Number of dead dumps.	Nil.	Nil.	-
4g	Number of dumps established.	Nil.	Nil.	-
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil.	
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil.	
4j	Number of settling ponds	Nil.	Nil.	
4k	Specific comments of inspecting officer on waste dump management	-	Dumps maintained within ML.	-

#### 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 backfilling proposal during the doc period.	Nil.	
5b	Area under backfilling of mined out area	Nil.	Nil.	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil.	Nil.	-
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil.	Mine not reached economic depth.
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mine is not working.	Mine is not working since 2016.

#### 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).		Not submitted.	Violation of rule 26(2) has been communicated to the lessee on 17.4.2018.
6b	Area available for rehabilitation (ha) .	Nil.	Not applicable.	-
6c	afforestation done (ha).	-	About 0.07hect.	
6d	No. of saplings planted during the year	50nos	20nos	Not much plantation exist due to arid claimatic condition.
6e	Cumulative no .of plants	Nil.	50nos.	-
6f	Any other method of rehabilitation	Nil.	Nil.	-
6g	Cost incurred on watch and care during the year	Nil.	Nil.	Not available.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil.	Nil.	-

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 on backfilled area	Nil.	Nil.	-
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	Nil.	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	No proposal.	Nil.	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil.	Nil.	Mine is not working



6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil.	No approved proposals.Mine not in operation since 2016.	-
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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Limestone.	No approved proposals.	Mine not in operation since 2016.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Nil.	-
7c	Different grade of mineral sorted out at mines.	At Mines	Nil.	-
7d	Any beneficiation process at mines	Not required.	Nil.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No conservation problem.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Mine not in operation since 2016.	Nil.	Topsoil cover is thin about 1m height.
8b	Concurrent use or storage of topsoil	Storage.	Small quantity stacked .	-

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil.	Separate stacking.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil.	Nil.	Olly top soil and mineral waste.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Noproposal.	Nil.	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil.	About 50 nos.	
8g	Survival rate	Nil.	About 60%	
8h	Water sprinkling on roads to control airborne dust	-	-	Mine is not working.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantaion obseved on the western side of ML .	

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Nil production.	Being submitted regularly.	Mine closed since ,2016.Violation of rule 28(1)of MCDR-2017 has been communicated to the lessee.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Mine is not working.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Workings- 00 hect.	Not furnished under sl no 12 of part-I	Area under working will be about 1.0hect.
9d	Scrutiny of Annual return on afforestation	Nil.	20nos.	Not furnished.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	00tonnes	Granitic gneiss	furnished under part-V of section no.4.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	00tonnes	Nil under part-V of 4.2.	Mine closed since ,2016.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price- Rs.00/-	NIL.	No production.'furnished under part-VI of sl no.2.
9h	Scrutiny of Annual return on fixed assets	Residential- 40000	under part-II-A.	There are no establishments at mine site.
9k	Scrutiny of Annual return on mining machineries	AIR COMPRESSOR- 120.000 CUM/MN capacity- 0 no-Non Electric:	furnished under part-V of section no.(6)(1).	No michinery atmine site.

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 26(2)	16-APR-18			
MCDR17	Rule 28(1)	16-APR-18			

**Date :**

**(A.S.SANJEEVA RAO)**

Indian Bureau of Mines