

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

**MCDR INSPECTION REPORT**

**Chennai regional office**

**Mine file No :** TN/KRR/LST-18.MDS

**Mine code :** 38TMN28024

- (i) Name of the Inspecting : **N001** ) **N.SUBRAHAMAANYAM**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Mr. Muthu rep of Owner.  
Official with  
Designation
- (iv) Date of Inspection : 02/02/2017
- (v) Prev.inspection date : 16/10/2015

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **THENNILAI & KEERANUR(4.66**
- (b) **Registration NO.** : **IBM/6794/201**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : TAMIL NADU  
District : KARUR  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. :  
E-mail : rc.radhachemicala@gmail.com  
Phone : 04323222044
- (f) Police Station : KULITHALAI
- (g) First opening date : 25/08/2001
- (h) Weekly day of rest : SUN
2. Address for : THENNILAI & KEERANUR VILL  
correspondance : KULITHALAI TK.  
KARUR DT.
3. (a) Lease Number : TMN1106
- (b) Lease area : 4.66
- (c) Period of lease : 20
- (d) Date of Expiry : 25/11/2021
4. Mineral worked : LIMESTONE Main  
QUARTZ Associated

5. Name and Address of the

Lessee : K. PANNEER SELVAM, RADHA CHEMICALS  
C-39 CAUVERY NAGAR  
KULITHALAI KARUR TAMIL  
NADU  
Phone:04323-22044  
FAX :04323-22356

Owner : K.PANEER SELVAM (SUPER MINES & MINERALS)  
NO.102, PERAMANUR MAIN ROAD  
SALEM SALEM TAMIL NADU  
Phone:  
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 08/07/2013  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil.	Nil.	Existing pits- 132x85x21m depth and 35mx 20mx4m.
1b	Exploration over lease area for geological axis 1 or 2	Nil.	Nil.	No comments.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil.	Nil.	No comments.
1d	Balance area to be explored to bring Geological axis in 1 or 2	50% of lease area to be explored.	Nil.	Nil.
1e	Balance reserve as on 01/04/20	551241 tones (111) & 179170 tones (222)	Reserves and resources have been estimated up to 19m depth from surface.	No comments.
1f	General remarks of inspecting officers on geology, exploration etc	Nil.	Nil.	Mine is not working more than 90 days due to labour problems and MOEF clearance etc.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Northern part of lease area, No Overburden. Pit 53x87x2.5m height.	Mine is not working due to MOEF clearance.	Nil.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches for topsoil cum OB and ore are proposed.	Same as proposed.	Nil.
2c	Stripping ratio or ore to OB ratio	1:0.04	Same as proposed.	Nil.
2d	Quantity of topsoil generation in m3	Top soil cum overburden generation in m3 is about 5500	Same as proposed.	Nil.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil.	Nil.	Mine is not working more than 90 days due to labour problems and MOEF clearance etc.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit at Northern part of lease area, No Overburden. Pit 53x87x2.5m height	Mine is not working due to MOFE clearance.	Nocomments.
3b	Quantity of ROM mineral production proposed	Proposed 64000 tones	Mine is not working due to MOFE clearance.	Nil.
3c	Recovery of sailable/usable mineral from ROM production	Salable is 70% from ROM	Mine is not working due to MOFE clearance	Nil.
3d	Quantity of mineral reject generation	No rejects	Mineral rejects is 30% of ROM which includes rock fragments, impurities etc.	Nil.
3e	Grade of mineral rejects generation and threshold value declared.	No rejects	Nil.	Nil.
3f	Quantity of sub grade mineral generation.	No sub-grade mineral.	Below 30% of CaCO <sub>3</sub> with contaminations of calc gneiss waste are considered as mineral rejects in these particular formations.	Nil.
3g	Grade of sub grade mineral generation	Nil	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Cat " A" OTFM cum opencast method.	Same as proposed.	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	Drilling & blasting is proposed by contract basis.	Same as proposed.	Mine is not working due to MOFE clearance
3k	Provision of mining machineries in mineral benches	Excavators for development of benches and loading.	Excavators will be deployed for development of benches and loading. Manual labours will be engaged with the help of spades and axes for removing the ROM and hand sorting	No comments
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of bench in overburden is 1m and mineral bench is 2.5m.	Same as proposed.	Nil.
3m	Total area covered under excavation/pits	1.14 ha	Same as proposed.	Nil.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.8	Same as proposed.	Nil.
3o	Total area put in use under different heads at the end of year	4.45 ha	Same as proposed.	Nil.
3p	Production of ROM mineral during the last five year period as applicable	1.2011-12:nil. 2.2012-13:nil. 3.2013-14:65429 4.2014-15:64748 5.2015-16:165381	2011-12:16503 2012-13:13802 2013-14:3430 2014-15:4980 2015-16:9990	The deviation in production is due to market demand.
3q	General remarks of inspecting officers on method of mining etc.	Nil.	Mine is not working due to MOFE clearance.	Nil.

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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)	Top soil dump & waste dumps are proposed.	Proposed as per proposal.	Nil.

4b	Location of topsoil, OB and mineral reject dumps	Dumps are proposed at Southern side of ML area.	Proposed as per proposal.	Nil.
4c	Number of dumps within lease area and outside of lease area	Within lease area three dumps without nil.	As proposed is maintained.	Nil.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps are far away from UPL	Proposed as per proposal.	Nil.
4e	Number of active and alive dumps.	Three dumps are active & alive.	Proposed as per proposal	Nil.
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No retaining wall or garland drain all along dumps proposed.	Not applicable.	Nil
4i	Length of Retaining wall or garland drain all along dumps	Not applicable.	Nil.	Nil.
4j	Number of settling ponds	Nil.	Nil.	Nil.
4k	Specific comments of inspecting officer on waste dump management	Top soil dumping is partly utilized for plantation.	Topsoil dump does not have any problem of wash offs.	Nil.

#### 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.	After complete extraction of Limestone, pits shall be backfilled.	Limestone is yet to be exhaust.	Nil.
5b	Area under backfilling of mined out area	Not applicable	Nil	Nil

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	For plantation use only.	As proposed is maintained	Nil
5d	Total area fully reclaimed and rehabilitated	Not applicable at present.	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	The plantations along the safety barrier have been marked.	As per proposal.	No comments.

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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).	Annual report on PMCP should be submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	Not submitted.	No comments.
6b	Area available for rehabilitation (ha) .	Nil.	Nil.	No comments.
6c	afforestation done (ha).	0.07	0.12	Nil.
6d	No. of saplings planted during the year	20	20	Poor growth due to water problems..
6e	Cumulative no .of plants	125	125	Poor growth due to water problems..
6f	Any other method of rehabilitation	Nil	Nil	No comments.
6g	Cost incurred on watch and care during the year	Nil	Nil	Nil

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx 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 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)	Nil	Nil	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Mine is working by as per proposal by Cat" A" OTFM cum opencast method. Jackhammer drilling, sorting, loading of limestone has been carried out with help of hydraulic excavators and tippers of 10Ts / 20Ts capacity	Mine is not working more than 90 days due to labour problems and MOEF clearance etc.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral would be sorting grade wise with in lease area.	Same as proposed.	Nil.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Same as proposed.	Nil.
7c	Different grade of mineral sorted out at mines.	Nil.	The grades of ore are almost uniform.	Nil.
7d	Any beneficiation process at mines	Nil.	Nil.	Nil.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil.	Nil.	Mine is not working more than 90 days due to labour problems and MOEF clearance etc.

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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)	Topsoil cum OB is being removed separately for future utilization.	Same as proposed.	Nil.
8b	Concurrent use or storage of topsoil	Topsoil/OB is stored separately for plantation purpose only.	Same as proposed.	Nil.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps to be made for topsoil cum overburden, rejects.	Same as proposed.	Nil.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Generation of topsoil cum overburden is for plantation and rejects for backfilling.	Same as proposed.	Nil.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal	Since the lease area is small, does not arise.	Nil.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	The area is dry and barren	Some plantations have been made along the lease boundary within safety zone.	Nil
8g	Survival rate	80%	60%	Nil.
8h	Water sprinkling on roads to control airborne dust	No proposal	Since the lease area is small, does not arise.	Nil.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Area is dry and barren.	Some greenery has been developed by mine management.	Mine is not working more than 90 days due to labour problems and MOEF clearance etc.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly and annual returns have been submitted and checked to be in order.	Nil.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	All monthly returns and Annual returns has to be submitted.	All monthly returns and Annual returns submitted are examined found to be in order.	Nil.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Nil	Nil
9d	Scrutiny of Annual return on afforestation	Nil	Nil	Nil
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	Nil	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil	Nil
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	JCB for loading & 10 ton tipper fir transporting are being used	Same as proposed;	Mine is not working more than 90 days due to labour problems and MOEF clearance etc

**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
Rule 11(4)	04/04/2017				

**Date :**

**(N.SUBRAHAMAANYAM)**

Indian Bureau of Mines