

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

**MCDR inspection REPORT**

**Chennai regional office**

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

**Mine code :** 38TMN30021

- (i) Name of the Inspecting : **A027** ) **A.S.SANJEEVA RAO**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Mr Bharathi  
Official with  
Designation
- (iv) Date of Inspection : 13/09/2017
- (v) Prev.inspection date : 01/11/2016

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PANNAIMOONRADAIPPU(3.31HA**
- (b) **Registration NO.** : **IBM/5970/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : VIRUDHUNAGAR
- Village : PANNAIMOONTRADAIPPUR
- Taluka : TIRUCHULI
- Post office : P.THOTTIAMKULAM
- Pin Code :
- FAX No. :
- E-mail :
- Phone : 9842955099
- (f) Police Station : Aruppukottai
- (g) First opening date : 03/09/2005
- (h) Weekly day of rest : SUN
2. Address for : PANNAIMOODRADAIPPU VILL,  
correspondance TIRUCHULI TK,  
VIRUDHUNAGAR DT.
3. (a) Lease Number : TMN1001
- (b) Lease area : 3.31
- (c) Period of lease : 20
- (d) Date of Expiry : 26/09/2025
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : R.PALANISAMY, OWNER  
39/2H, RAJIV NAGAR  
SEETHARAMAPALAYAM PO  
TIRUCHENGODE NAMAKKAL TAMIL  
NADU  
Phone:  
FAX :

Owner : R.PALANISAMY  
39/2H, RAJIV NAGAR  
SEETHARAMAPALAYAM POST  
TIRUCHENGODE NAMAKKAL TAMIL  
NADU  
Phone:  
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 25/07/2005  
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 08/01/2014

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	-
1b	Exploration over lease area for geological axis 1 or 2	Axis-1	Axis-1	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL.	NIL.	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Reserve proved upto 15m depth.
1e	Balance reserve as on 01/04/20		Geological reserves : 193645tonnes Recoverable reserves:108923tonnes	Reserve estimated upto 15m depth.
1f	General remarks of inspecting officers on geology, exploration etc		Reserve estimated upto 15m depth.	Mine is not working.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In central part of ML on northern side from RL-90m-88m.	As proposed in central part.But,pit reached almost prosed for the year 2017-18. Violation of rule 11(2) of MCDR-17 has been communicated to the lessee.	Mine is not working .
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed.	Maintaines as proposed.	-
2c	Stripping ratio or ore to OB ratio	1:0.66	As proposed.	-
2d	Quantity of topsoil generation in m3	No proposal.	Nil.	There is no top soil.

2e	Quantity of overburden generation in m3	No proposal.	Nil.	There is no OB.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mine is not working.	Boundarty pillars are fixed, but not with the priscirbed dimentionions as 1sq m as per CCOM circular 1/2009.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One pit. Approximately 110mx70mx12-14m depth.	
3b	Quantity of ROM mineral production proposed	2925tonnes	About 40000tonnes	
3c	Recovery of sailable/usable mineral from ROM production	1755tonnes	31363tonnes	-
3d	Quantity of mineral reject generation	Country rock as intercalations	Country rock as intercalations.	-
3e	Grade of mineral rejects generation and threshold value declared.	Country rock .	Country rock .	
3f	Quantity of sub grade mineral generation.	NIL.	NIL.	
3g	Grade of sub grade mineral generation	NIL.	No generqation of sub grade.	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual.	Manual method.	Mine is not working .

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL.	NIL.	-
3j	Provision of drilling and blasting in mineral benches	Drilling by using Jack hammer	As proposed.	Mine not working for want of EC .
3k	Provision of mining machineries in mineral benches	Manual means	Mine not working for want of EC .	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	As proposed.	
3m	Total area covered under excavation/pits	1.06hect	As proposed,about 1.0hect.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.66	As proposed.Mine is not working.	
3o	Total area put in use under different heads at the end of year	1.06hect	As proposed,about 1.0hect.	-
3p	Production of ROM mineral during the last five year period as applicable	Year- qty in tonnes 2014-15:2873 2015-16: 3159 2016-17: 2925	Year- qty in tonnes 2014-15: Not reported 2015-16: 14035 2016-17: 31363	Production exceeded approved limits in the year 2015-16&2016-17 .Violation of rule 11(2) of MCDR-17 has been communicated.
3q	General remarks of inspecting officers on method of mining etc.		Production exceeded approved limits in the year 2015-16&2016-17,violation of rule 11(2) of MCDR-17 has been communicated.	Mine is not working for want of EC.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separately Proposed.	As proposed.	
4b	Location of topsoil, OB and mineral reject dumps	Southern and eastern side of ML.	As proposed.	
4c	Number of dumps within lease area and outside of lease area	within mining lease 3 no of dumps.	As proposed.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	On non lease area on south and eastern side of ML.	South and eastern side of ML.	
4e	Number of active and alive dumps.	Three active dumps.	As proposed.	
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.	Nil/no proposal.	NIL.	
4i	Length of Retaining wall or garland drain all along dumps	Nil/no proposal.	Nil.	
4j	Number of settling ponds	Nil.	Nil.	-
4k	Specific comments of inspecting officer on waste dump management		Dumps are maintained as proposed 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 document 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)		Being stacked in dumps.	
5d	Total area fully reclaimed and rehabilitated	No proposal.	NIL.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mine has not reached economical depth.	

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 received.	Violation of rule 26(2) of MCDR-2017 has been communicated to lessee .	
6b	Area available for rehabilitation (ha) .	Nil.	Nil.	
6c	afforestation done (ha).	700sq m area.	Nil.	Violation of rule 11(2) of MCDR-2017 has been communicated to lessee .
6d	No. of saplings planted during the year	60nos.	Very few.	Very few.
6e	Cumulative no .of plants	-	Very few.	-
6f	Any other method of rehabilitation	NIL.	NIL.	
6g	Cost incurred on watch and care during the year	No proposal.	NIL.	-

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal.	Nil.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	NIL.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal.	NIL.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	NIL.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	NIL.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	NIL.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	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)	No proposal.	NIL.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		No rehabilitation & rehabilitation is proposed. Violation for not carrying afforestation has been communicated on 10.10.2017.

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Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	At mine site	Entire ROM is being sold.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Entire ROM is being sold.	
7c	Different grade of mineral sorted out at mines.	No proposal.	Entire ROM is being sold.	
7d	Any beneficiation process at mines	No proposal.	NIL.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Entire ROM is being sold.	

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Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate dump proposed.	Small quantity.	-

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8b	Concurrent use or storage of topsoil	For afforestation.	Stacked for future use of afforestation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed.	Maintained as proposed.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use		Waste is being stacked as per prosals.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	About 20 nos.	
8g	Survival rate	70%	very few nos.	Not maintained, for which violation has been communicated on 10.10.2017.
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		Afforestation is very few nos. Violation for not carrying afforestation has been communicated.	

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Compliance of Rule 45:

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Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns		Being submitted regularly.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Advised to furnish the mining engineer/geologist details.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Details furnished under item 12 of AR.	
9d	Scrutiny of Annual return on afforestation			
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		Verified found OK.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Advised to furnish correctly.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Verified .	
9h	Scrutiny of Annual return on fixed assets	NIL.	There are no assets at ine site.	-
9k	Scrutiny of Annual return on mining machineries		Jack hammers	Mine is not working.

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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 11(2)	10/10/2017			
MCDR17	Rule 11(4)	10/10/2017			
MCDR17	Rule 26(2)	10/10/2017			
MCDR17	Rule 27(2)	10/10/2017			

**Date :**

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

Indian Bureau of Mines