

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

**MCDR inspection REPORT**

**Chennai regional office**

**Mine file No :** TN/VRD/LST-30.MDS

**Mine code :** 38TMN30023

- (i) Name of the Inspecting : **A027** ) **A.S.SANJEEVA RAO**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Muniyandi ,Watchman  
Official with  
Designation
- (iv) Date of Inspection : 14/09/2017
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **A.REDDIAPATTI (2.30HA)**
- (b) **Registration NO.** : **IBM/9054/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : VIRUDHUNAGAR
- Village : A.REDDIAPATTI
- Taluka : KARIAPATTY
- Post office : MALLANKINARU
- Pin Code : 626109
- FAX No. :
- E-mail : k4307@rediffmail.com
- Phone : 9843043434
- (f) Police Station : Tiruchuli
- (g) First opening date : 15/11/2000
- (h) Weekly day of rest : SUN
2. Address for : A.REDDIAPATTI VILL  
correspondance : KARIAPATTI TK  
VIRUDHUNAGAR DT.
3. (a) Lease Number : TMN0788
- (b) Lease area : 2.3
- (c) Period of lease : 20
- (d) Date of Expiry : 14/11/2020
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : SMT K.GOWRI (M/S. GOWRI KUMAR & COMPANY)  
 21-D, RAMAKRISHNA ROAD  
 SALEM SALEM TAMIL NADU  
 Phone:  
 FAX :

Owner : K.GOWRI  
 M/S GOWRI KUMAR &CO 21  
 D,RAMAKRISHNA ROAD SALEM  
 SALEM TAMIL NADU  
 Phone:  
 FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	07/02/2007
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	20/06/2013
		Mining Scheme rule 12 MCDR1988	26/04/2016

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	9 no of core drills in the year 2016-17.	NIL.	Violation of rule 11(2) of MCDR-2017 has been communicated on 10.10.2017.
1b	Exploration over lease area for geological axis 1 or 2	Partially axis 1	Partially axis 1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL.	Not carried out.	
1d	Balance area to be explored to bring Geological axis in 1 or 2		About 0.5 hect	Exploration is due.
1e	Balance reserve as on 01/04/20	Geological-72913(111) Recoverable-43748(111)	Geological-80153(111) Recoverable-48177(111)	Due to less production.
1f	General remarks of inspecting officers on geology, exploration etc		Reserve estimated upto 8m depth.	Mine is not working.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Developing the existing pit located on the northern side of ML towards southern side.	Developed as proposed, but very less area.	-
2c	Stripping ratio or ore to OB ratio	1:2.31	Almost as proposed.	
2d	Quantity of topsoil generation in m <sup>3</sup>	NIL.	NIL.	
2e	Quantity of overburden generation in m <sup>3</sup>	5032Cu m.	About 50Cu m.	Not developed the level it proposed.

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 dimention as 1sq m as per CCOM circular 1/2009.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit ,located on the northern side of ML.	As proposed.	-
3b	Quantity of ROM mineral production proposed	20384tonnes	600tonnes	
3c	Recovery of sailable/usable mineral from ROM production	60% of limestone.	As proposed.	
3d	Quantity of mineral reject generation	8153tonnes	325tonnes	
3e	Grade of mineral rejects generation and threshold value declared.	Counrty rock.	Biotite schist which has no economic value.	
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	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	0.98hect.	About 0.45hect.	-
3n	Ore to OB ratio for the pit/mine during the year.	1:2.31	As proposed. Mine is not working.	
3o	Total area put in use under different heads at the end of year	0.71hect.	As proposed.	
3p	Production of ROM mineral during the last five year period as applicable	Year- qty in tonnes 2014-15:21625 2015-16: 79548 2016-17: 7840	Year- qty in tonnes 2014-15:2393 2015-16:669 2016-17: 600	Production is within approved limits.
3q	General remarks of inspecting officers on method of mining etc.		Production is within limits.	Mine is not working for want of EC.

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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)	Separately Proposed.	As proposed.	
4b	Location of topsoil, OB and mineral reject dumps	western side of ML.	As proposed.	
4c	Number of dumps within lease area and outside of lease area	Within mining lease 4 no of dumps.	2 no of dumps within ML.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Western side of ML.	As proposed.	

4e	Number of active and alive dumps.	4 no of dumps.	2 no of dumps.	Production is very less and mine not in operation.
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 are amintained as proposed within ML.	Development and production is very less.

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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	No proposal	NIL.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)		Being stacked separetly.	Topsoil cover is very thin.
5d	Total area fully reclaimed and rehabilitated	NIL.	NIL.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mine has not reached economic depth.	

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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).	Not received.	Violation of rule 26(2) of MCDR-2017 has been communicated to lessee on 10.10.2017.	-
6b	Area available for rehabilitation (ha) .	Nil.	Nil.	
6c	afforestation done (ha).	0.05hect.	About 0.03hect.	
6d	No. of saplings planted during the year	40nos.	About 20nos.	
6e	Cumulative no .of plants		About 50nos.	
6f	Any other method of rehabilitation	NIL.	NIL.	
6g	Cost incurred on watch and care during the year		No details.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x 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)		Mine is not working.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		No rehabilitation&rehabilitation is proposed.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	At mine site.	Entire mineral is being sold.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Entire mineral is being sold.	
7c	Different grade of mineral sorted out at mines.	No proposal.	Entire mineral is being sold.	

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7d	Any beneficiation process at mines	No proposal.	NIL.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Entire mineral is being sold.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate dump proposed.	Small quantity.	
8b	Concurrent use or storage of topsoil	Proposed.	Maintained as proposed.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)		Only waste is being generated/stacked as per prosals.	
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 40 nos.	
8g	Survival rate	80%	About 40%	

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		Plantation observed on the east and western sides 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		Being submitted regularly.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No details.	Advised to furnish the details.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	current (O/C) Workings- 0.40hect waste disposal- 0.40hect Occupied by plant, buildings, residential, welfare buildings & roads- 0.20hect.	ine is not working.	
9d	Scrutiny of Annual return on afforestation	120 no of plantation.	Figure is incorrect.&to high.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	1200tonnes.	Under para4.2(B)	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	275.000tonnes.	Furnished under part-IV.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not furnished.	Advised to furnish the data.	
9h	Scrutiny of Annual return on fixed assets	Land- Rs.3000000 Plant and Machinery including transport equipment- 50000	Furnished under part-II.	
9k	Scrutiny of Annual return on mining machineries	Tipper-1no- 6CuM-1no-Non Electrical GENERATOR (DIESEL)-2nos- 8.00Kwh-Non Electrical.	Details furnished under Part - V .	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 26(2)	10/10/2017			
MCDR17	Rule 27(2)	10/10/2017			

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

Indian Bureau of Mines