

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

**MCDR INSPECTION REPORT**

**Bangalore regional office**

**Mine file No :** KNT/MYS/Mgst/13/BNG

**Mine code :** 39KAR14013

- (i) Name of the Inspecting : **S011** ) **K.SRINIVAS**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SRI.Y.NARAYANA RAO, Agent.**  
Official with  
Designation
- (iv) Date of Inspection : 09/03/2016
- (v) Prev.inspection date : 25/12/2014

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **TALLOORU**
- (b) **Registration NO.** : **IBM/4375/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :  
State : KARNATAKA  
District : MYSORE  
Village : THALLOORU  
Taluka : MYSORE  
Post office : TALLOORU  
Pin Code : 571311  
FAX No. : 0821-2463789  
E-mail : rajashekar\_mys@yahoo.com  
Phone : 0821-2463789
- (f) Police Station : MYSORE SOUTH
- (g) First opening date : 23/04/2005
- (h) Weekly day of rest : SUN
2. Address for : **SRI.N.RAJASHEKAR,**  
correspondance : **NO 38 SRI NANJUNDESHWARA NILAYA UDAYA RAVI RD**  
**KUVEMPUNAGAR MYSORE - 23.**
3. (a) Lease Number : **KAR1537**
- (b) Lease area : **11.88**
- (c) Period of lease : **20**
- (d) Date of Expiry : **22/04/2025**
4. Mineral worked : **MAGNESITE** Main

## 5. Name and Address of the

Lessee : N. RAJSHEKHAR  
           MYSORE KARNATAKA  
           Phone:  
           FAX :

Owner : N. RAJSHEKHAR  
           MYSORE KARNATAKA  
           Phone:  
           FAX :

Agent : Y.NARAYAN RAO  
           MYSORE KARNATAKA  
           Phone:  
           FAX :

Manager  
 Name : K.RAJAGOPALAI AH  
 Qualification : DIP.IN MINING ENGINEER , IInd CLASS HOLD  
 Appointment/ : 15/10/2005  
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	28/05/2007
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	09/01/2008
	:	Mining Scheme rule 12 MCDR1988	29/09/2015

## 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	3 trenches 3 pits	Nil	The violation has been pointed out.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	By the lessee and not specified the expenditure during the year.	nil	The proposal of 2 lakhs for entire scheme period.
1d	Balance area to be explored to bring Geological axis in 1 or 2	5.0 ha.	nil during the year.	-
1e	Balance reserve as on 01/04/20	-	-	10,13,920 tonnes (111) as on 1.4.2016
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The proposed exploraion has not been carried out.The violation has been pointed out.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit No.1	Pit No.1	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:2.7	1:2.7	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	5054 cu.m	4662 cu.m	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	No specific remarks.
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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed	8187 tonnes	5180 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	11%	3%	
3d	Quantity of mineral reject generation	nil	nil	
3e	Grade of mineral rejects generation and threshold value declared.	nil	nil	
3f	Quantity of sub grade mineral generation.	7278 tonnes	5024.6 tonnes	
3g	Grade of sub grade mineral generation	35%MgO	35%MgO	
3h	Manual / Mechanised method adopted for segregating from ROM	OTFM	OTFM	
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	Nil	Nil	

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3k	Provision of mining machineries in mineral benches	Hydraulic Excavator and a tipper.	Hydraulic Excavator and a tipper.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	3.336ha	3.336ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:2.7	1:2.7	
3o	Total area put in use under different heads at the end of year	Not specified	Not specified	
3p	Production of ROM mineral during the last five year period as applicable	2010-11: 8188 t 2011-12:8188 t 2012-13:8188 t 2013-14:8188 t 2014-15: 8188 t	2010-11:5036 t 2011-12:4533 t 2012-13:4114 t 2013-14: 6376 t 2014-15: 6700 t	
3q	General remarks of inspecting officers on method of mining etc.	-	-	There is no change in method of mining.

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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)	Yes	yes	
4b	Location of topsoil, OB and mineral reject dumps	Northern side	Northern side	
4c	Number of dumps within lease area and outside of lease area	two dumps within the lease	two dumps within the lease	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside	Outside	
4e	Number of active and alive dumps.	one	one	
4f	Number of dead dumps.	one	one	
4g	Number of dumps established.	one	one	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	nil	The violation has been pointed out.
4i	Length of Retaining wall or garland drain all along dumps	400 m Retaining wall	nil	The violation has been issued.
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	-	-	No specific remarks. The violation has been pointed out.

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Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposals	nil	
5b	Area under backfilling of mined out area	No proposals	nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals	nil	
5d	Total area fully reclaimed and rehabilitated	No proposals	nil	

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5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	No proposals for backfilling during the scheme period.
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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).	-	submitted.	
6b	Area available for rehabilitation (ha) .	No proposals	nil	
6c	afforestation done (ha).	No proposals	nil	
6d	No. of saplings planted during the year	No proposals	nil	
6e	Cumulative no .of plants	No proposals	nil	
6f	Any other method of rehabilitation	No proposals	nil	
6g	Cost incurred on watch and care during the year	No proposals	nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposals	nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals	nil	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposals	nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals	nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposals	nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposals	nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposals	nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposals	nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	800 saplings.	1000 saplings planted.	The plantation carried out in buffer zone.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Reclamation and rehabilitation are not proposed during the scheme period.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Dresssing and sorting manually.	Dresssing and sorting manually.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Yes	Yes	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	No specific remarks.

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Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	yes	yes	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	nil	No proposal at present.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	nil	No proposal during the scheme period.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1000 saplings.	1000 saplings.	
8g	Survival rate	90%	90%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	There is no impact of mining on aesthetic beauty of the area.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR submitted upto Feb.2016. AR submitted for the year 2014-15.	-	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	-	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	-	
9d	Scrutiny of Annual return on afforestation	Given	-	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	-
9h	Scrutiny of Annual return on fixed assets	Given	-
9k	Scrutiny of Annual return on mining machineries	Given	-

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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
Rule 13(1)	16/03/2016				
Rule 13(1)	16/03/2016				

**Date :**

**(K.SRINIVAS)**

Indian Bureau of Mines