

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

MCDR inspection REPORT

Bangalore regional office

Mine file No : KNT/MYS/MG/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 : 20/03/2018
- (v) Prev.inspection date : 09/03/2016

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 (F),9341625511
E-mail : rajashekar_mys@yahoo.com
Phone : 0821-2463789 (O), 934211038
- (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 : TALLOORU VILLAGE, P.O TALLOORU,
VIA KADAKOLA, MYSORE -571311.
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	9 trial pits and 3 trenches	Only 5 trial pits carried out.	The violation has been pointed out for remainig work.
1b	Exploration over lease area for geological axis 1 or 2	Three trenches proposed	Not carried out.	Violation has been Pointed out.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee	nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	Not specified	-
1e	Balance reserve as on 01/04/20	-	-	The reserves as on 1.04.2018 is 1003475 tonnes (111)
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The proposed quantity of exploration 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	North west	North west	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	-
2c	Stripping ratio or ore to OB ratio	1:03.21	1:3.69	-
2d	Quantity of topsoil generation in m3	Nil	Nil	-
2e	Quantity of overburden generation in m3	5054	5050	-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	The development of pit is as per the approved proposals.
----	---	---	---	--

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	-
3b	Quantity of ROM mineral production proposed	8187 tonnes	4465 tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	27%	27%	-
3d	Quantity of mineral reject generation	6975tonnes	3150 tonnes	-
3e	Grade of mineral rejects generation and threshold value declared.	Not specified	Not available	Threshold value declared is 35% MgO(min).
3f	Quantity of sub grade mineral generation.	6975tonnes	3150 tonnes	-
3g	Grade of sub grade mineral generation	Not specified	Not specified	-
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.	Nil	NIL	-
3j	Provision of drilling and blasting in mineral benches	nil	nil	-

3k	Provision of mining machineries in mineral benches	Rock Breakers	Rock Breakers	-
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: 3.022	1:3.69	-
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	2012-13: 8188t 2013-14: 8188t 2014-15: 8188t 2015-16: 8187t 2016-17: 8187t	2012-13: 4114t 2013-14: 6376t 2014-15: 6700t 2015-16: 5430t 2016-17: 4465t	-
3q	General remarks of inspecting officers on method of mining etc.	-	-	There is no change in method of mining.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	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 of the lease area	Northern side of the lease area	-
4c	Number of dumps within lease area and outside of lease area	two	two	-

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Northern side of lease boundary	Northern side of lease boundary	-
4e	Number of active and alive dumps.	One active dump	One active dump	-
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.	485 mtr	485 mtr	-
4i	Length of Retaining wall or garland drain all along dumps	485 mtr	485 mtr	-
4j	Number of settling ponds	One	One	-
4k	Specific comments of inspecting officer on waste dump management	-	-	Waste dump management is being carried out as proposed.

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 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	-

5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	There is no proposals for backfilling.
----	--	---	---	--

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	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	1000 nos.	1000 nos.	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.5ha	0.5ha	-
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)	Air Monitoring	Air Monitoring done	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Operations are being carried out as per the approved proposals.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

7a	ROM Mineral dispatch or grade-wise sorting within lease area	Sorting grade-wise within the lease area	Sorting grade-wise within the lease area	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	-
7c	Different grade of mineral sorted out at mines.	H.G. Sio2 2.5 to 4.5% S.G.+6%to12%Si o2	H.G. Sio2 2.5 to 4.5% S.G.+6%to12%Si o2	-
7d	Any beneficiation process at mines .	No	No	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	No specific remarks on mineral conservation and beneficiation issues.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	no proposal	nil	No top soil generated.
8b	Concurrent use or storage of topsoil	No proposal	nil at present.	There is no generation of top soil.
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 specific proposals	Nil	-

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	no specific proposals	nil	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1000 saplings	1000 saplings	-
8g	Survival rate	-	80%	-
8h	Water sprinkling on roads to control airborne dust	Dust Suppression by water tanker sprinkler	Dust Suppression by water tanker sprinkler	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	There is no change in aesthetic beauty in and around the mine area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns submitted upto Feb.2018. Annual return submitted for the year 2016-17.	-	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given.	The appointment of geologist not done.	The violation has been pointed out.
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	-	-

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
MCDR17	Rule 11(1)	09/04/2018			
Rule 46		09/04/2018			

Date :

(K.SRINIVAS)

Indian Bureau of Mines