

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

MCDR INSPECTION REPORT

Bangalore regional office

Mine file No : KNT/HSN/CR/3/BNG

Mine code : 11KAR11004

- (i) Name of the Inspecting : S011) K.SRINIVAS
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Rangappa, Manager, Sri chandrasekhar, Geologist.
Official with
Designation
- (iv) Date of Inspection : 28/05/2015
- (v) Prev.inspection date : 23/12/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **THAGADUR**
- (b) **Registration NO.** : **IBM/4369/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : KARNATAKA
- District : HASSAN
- Village : THAGADUR
- Taluka : CHANNARAYAPATNA
- Post office : BHUVANAHALLI
- Pin Code : 573131
- FAX No. : 080-22213172
- E-mail : www.mml.kar.nic.in
- Phone : 958176 - 280359
- (f) **Police Station** : **Nuggehalli**
- (g) **First opening date** : **24/01/1977**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **TTMC 'A' Block, 5th Floor, BMTc Building,
K.H.Road, Shantinagar, BENGALURU,
KARNATAKA-560 027.**
3. (a) **Lease Number** : **KAR0530**
- (b) **Lease area** : **299.59**
- (c) **Period of lease** :
- (d) **Date of Expiry** :
4. **Mineral worked** : **CHROMITE** Main

5. Name and Address of the

Lessee : MYSORE MINERALS LTD
 TTMC BUILDING A BLOCK 5th
 FLOOR BMTc SHANTINAGAR
 BANGALORE KARNATAKA
 Phone:080-25580373
 FAX :080-25580372

Owner : MYSORE MINERALS LTD
 NO.39, M.G.ROAD, BANGALORE,
 BANGALORE KARNATAKA
 Phone: 5580373,5580374
 FAX : 080-5583172

Geologist

Name : H.THIPPESWAMY,Full Time
 Qualification : MSC(GEOLOGY)
 Appointment/ : 28/05/1990
 Termination date

Manager

Name : RANGAPPA
 Qualification : Dip.in Mining
 Appointment/ : 02/02/1981
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	08/06/1992
Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	09/08/2001
	:	Mining Scheme rule 12 MCDR1988	06/07/2007
	:	Mining Scheme rule 12 MCDR1988	16/04/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	10 boreholes	Nil	violation already pointed out.
1b	Exploration over lease area for geological axis 1 or 2	10 borholes	nil	violation has been pointed out.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	100 ha.	Nil	
1e	Balance reserve as on 01/04/20	-	-	4,82,830 tonnes as on 01/04/2015
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The exploration has not been carried out as proposed. The violation has been pointed out.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	All three blocks	South Block only.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:15.89	1:11.74	
2d	Quantity of topsoil generation in m3	nil	nil	
2e	Quantity of overburden generation in m3	238885cu.m	14756 cu.m	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The mining operations are not carried out as proposed. The violation has been pointed out.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	within three pits	within one pit	The vilolation has been pointed out for less production.
3b	Quantity of ROM mineral production proposed	33060 tonnes	2674 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	95%	95%	5% subgrade
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.	1653 tonnes	133.7 tonnes	
3g	Grade of sub grade mineral generation	Less than 28% Cr2 O3	Less than 28% Cr2 O3	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Sizing and Sorting	Sizing and Sorting	
3j	Provision of drilling and blasting in mineral benches	Yes	Yes	

3k	Provision of mining machineries in mineral benches	Excavator	JCB Excavator	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m bench height 10m bench width	6m bench height 10m bench width	
3m	Total area covered under excavation/pits	74.80 ha	37.75 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:15.89	1: 11.74	
3o	Total area put in use under different heads at the end of year	Not specified	nil	
3p	Production of ROM mineral during the last five year period as applicable	2010-11: 52440t 2011-12: 63720t 2012-13: 35424t 2013-14: 27740t 2014-15:33060t	2010-11: 2740t 2011-12: 2585t 2012-13: 2428t 2013-14:1003t 2014-15:2674t	Deviation on negative side.
3q	General remarks of inspecting officers on method of mining etc.			There is no change in the method of mining.

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	All three bocks	In the proposed area in the southern block.	

4c	Number of dumps within lease area and outside of lease area	Not specified	There are 20 overburden/waste dumps existing within the lease area, in which one dump is active and alive.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side	Out side	
4e	Number of active and alive dumps.	not specified	one	
4f	Number of dead dumps.	not specified	one outside the lease area.	
4g	Number of dumps established.	not specified	one	
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	yes	
4i	Length of Retaining wall or garland drain all along dumps	Proposed	750m length of retention wall.	It is under progress.
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	The waste dumping is carried out as proposed.		

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 proposal	nil	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	no proposal	nil	
5d	Total area fully reclaimed and rehabilitated	no proposal	nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No proposal for backfilling and reclamation and rehabilitation during this scheme period.

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).	-	Yes	
6b	Area available for rehabilitation (ha) .	no proposal	nil	
6c	afforestation done (ha).	no proposal	nil	
6d	No. of saplings planted during the year	no proposal	nil	
6e	Cumulative no .of plants	no proposal	nil	
6f	Any other method of rehabilitation	no proposal	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 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

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	sizing and sorting	sizing and sorting	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	sizing and sorting	sizing and sorting	
7c	Different grade of mineral sorted out at mines.	28% to 38% Cr2 O3 grades	28% to 38% Cr2 O3 grades are being sorted.	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	There is no change in proposals for 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	
8b	Concurrent use or storage of topsoil	Nil	Nil	
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	Nil	Nil	

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)	500 saplings	1300 saplings	
8g	Survival rate	not specified	48%	
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 change in aesthetic beauty in and around the mining leases area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted	nil	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	nil	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	nil	
9d	Scrutiny of Annual return on afforestation	Given	nil	

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

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 29	02/06/2015	15/07/2015			
Rule 13(1)	02/06/2015				

Date :

(K.SRINIVAS)

Indian Bureau of Mines