

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

MCDR INSPECTION REPORT

Bangalore regional office

Mine file No : KNT/MYS/MG/2/BNG

Mine code : 39KAR14002

- (i) Name of the Inspecting : **S011**) **K.SRINIVAS**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : M.N. Ganapathy, Manager
Official with
Designation
- (iv) Date of Inspection : 10/03/2016
- (v) Prev.inspection date : 02/12/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KARYA(282H)**
- (b) **Registration NO.** : **IBM/4369/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : MYSORE
- Village : KARYA
- Taluka : NANJANGUD
- Post office : HULLAHALLI
- Pin Code : 571314
- FAX No. : 080-25583172 (F), 94805164
- E-mail : info.mml@nic.in, KARYAMINESI
- Phone : 080-25580373 (O), 98453000
- (f) Police Station : Nanjangud
- (g) First opening date : 24/05/1983
- (h) Weekly day of rest : SUN
2. Address for : A Block, 5th Floor, BMTC Shantinagar,
correspondance TTMC Building,
BANGALURU-560027 (KARNATAKA)
3. (a) Lease Number : KAR0556
- (b) Lease area : 86.25
- (c) Period of lease : 20
- (d) Date of Expiry : 23/05/2023
4. Mineral worked : MAGNESITE 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 : S.ZIAULLAH, IAS
 # 39,M.G.ROAD,BANGALORE,
 KARNATAKA-560001.
 BANGALORE KARNATAKA
 Phone: 08395-60401,080
 FAX : 080-25583172, 0

Agent : SHANKAR.LINGAIAH
 # 39,M.G.ROAD,BANGALORE,
 KARNATAKA-560001. BELLARY
 KARNATAKA
 Phone: 08395-60401,080-25580373 (0),9845300022
 FAX : 080-25583172, 0

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

Manager
 Name : MN GANAPATHY
 Qualification :
 Appointment/ : 02/09/2013
 Termination date

Manager
 Name : SHANKARALINGAIAH
 Qualification : DIP WITH FCC
 Appointment/ : 01/06/2006
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	14/07/1992
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	16/12/1997
	:	Renewal under rule 22 MCR1960	18/06/2003
	:	Modif.of approved Mining Plan	19/12/2008
	:	Mining Scheme rule 12 MCDR1988	06/12/2013

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	10 boreholes	Nil	Not carried out the backlog. The violation had been pointed out during the last inspection. The same violation has been issued as continued violation during this inspection.
1b	Exploration over lease area for geological axis 1 or 2	5 boreholes	Nil	
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	Not specified	Nil	
1e	Balance reserve as on 01/04/20	-	-	2,21,499 tonnes as on 1.4.2015.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The exploration proposed has not yet been carried out even during the subsequent inspection. Hence, the continued violation has been issued.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Western side of ML	Western side of ML	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1: 4.17	1: 12	
2d	Quantity of topsoil generation in m3	No specific proposal	Nil	
2e	Quantity of overburden generation in m3	45,320 cu.m	43,547cu.m	Waste generated upto Feb,2016.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	The development work is being carried out at the time of inspection.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	19544 tonnes	2577 tonnes	Production for the year 2015-16 upto February,2016.
3c	Recovery of sailable/usable mineral from ROM production	5%	8 to 10 %	
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.	Nil	Nil	

3g	Grade of sub grade mineral generation	Nil	Nil	No subgrade generated and above 6% of Silica is also sold.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
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	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	
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	Not specified	Not specified	
3n	Ore to OB ratio for the pit/mine during the year.	1: 4.17	1:12	
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: 22876t 2011-12: 20081t 2012-13: 23673t 2013-14: 17952t 2014-15: 18389t 2015-16: 19544t	2010-11: 3482t 2011-12: 3227t 2012-13: 3173t 2013-14: 533t 2014-15: 2429 t 2015-16: 2577 t(upto Feb.2016.	
3q	General remarks of inspecting officers on method of mining etc.	-	-	There is no change in method of mining in the lease area.

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	Western side of the working pit	Western side of the working pit	
4c	Number of dumps within lease area and outside of lease area	Three within ML	Three within ML	
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.	two	two	
4g	Number of dumps established.	two	two	

4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	construction is under progress.	
4i	Length of Retaining wall or garland drain all along dumps	130m Garland drain 15m Retaining wall	The same is under progress.	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	-	-	No specific comments.

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 proposal	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 proposals for 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).	-	submitted	
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 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 specific remarks.

Mineral Conservation:

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

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	Top soil generation for schem period is very negligible.
8b	Concurrent use or storage of topsoil	No proposal	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	No proposal	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	150 saplings	Plantation is under progress.
8g	Survival rate	80%	60%	
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 area in and around ML. The lease boundary pillars have been erected as per norms.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR submitted upto 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	-

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

Date :
(K.SRINIVAS)

Indian Bureau of Mines