

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

MCDR inspection REPORT

Bangalore regional office

Mine file No : KNT/BLR/FE/460 /BNG

Mine code : 30KAR03168

- (i) Name of the Inspecting : **S011**) **K.SRINIVAS**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Sankar, Manager
Official with
Designation
- (iv) Date of Inspection : 12/10/2018
- (v) Prev.inspection date : 27/02/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **VENKATGIRI**
- (b) **Registration NO.** : **IBM/175/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **BELLARY**
- Village : **VENKATGIRI**
- Taluka : **SANDUR**
- Post office : **VENKATGIRI**
- Pin Code :
- FAX No. : **08304-230644 (F), 98807651**
- E-mail : **srilakshminerals@yahoo.co**
- Phone : **08394-230644 (O), 98807651**
- (f) **Police Station** : **SANDUR**
- (g) **First opening date** : **16/08/2007**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **SRI.KAVIRAJ, NOMINATED OWNER, LAXMI MINERALS**
601, 7th Main, Balanjaneya Temple
M.J.NAGAR, Hospet, Bellary -583201
3. (a) **Lease Number** : **KAR1482**
- (b) **Lease area** : **22.26**
- (c) **Period of lease** : **30**
- (d) **Date of Expiry** : **17/06/2037**
4. **Mineral worked** : **IRON ORE** **Main**

5. Name and Address of the

Lessee : LAKSHMI MINERALS.
 No-601, 7th Main, Near
 Balanjaneya Temple, M.J.
 Nagar Hospet BELLARY
 KARNATAKA
 Phone:08394-230644
 FAX :

Owner : LAXMI MINERALS
 DOOR NO 216, NEAR 100 BED
 HOSPITAL, M.J.NAGAR, HOSPET
 - 583 201. BELLARY
 KARNATAKA
 Phone:
 FAX :

Agent : N.VENKATESH RAJU
 # 601,BDCC Colony. M.J.
 Nagar, 7th cross, HOSPET
 BELLARY KARNATAKA
 Phone:
 FAX :

6. Date of approval of Mining	:	MP review under 17(1) MCR 2016	09/11/2016
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	13/06/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals	Nil	-
1b	Exploration over lease area for geological axis 1 or 2	No proposals	nil	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposals	nil	-
1e	Balance reserve as on 01/04/20	-	-	Reserves as on 1.4.2018 is 1407000 tonnes (111).
1f	General remarks of inspecting officers on geology, exploration etc	-	-	There is no specific remarks on geology and exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NE Part of Lease Area	NE Part of Lease Area	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Reef Ore 3 bench 7 m height , pit size 414 x 56 Float Ore 1 bench 3 m height x 20 x 160	Reef Ore 3 bench 7 m height , Float Ore 1 bench 3 m height	-
2c	Stripping ratio or ore to OB ratio	1 : 0.83	1 : 0.50	-
2d	Quantity of topsoil generation in m3	Nil	Nil	-

2e	Quantity of overburden generation in m3	17023 m3	6000 m3	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Mining operations are being carried out as per the approved proposals.

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	99998 t	18900 tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	Nil	nil	-
3e	Grade of mineral rejects generation and threshold value declared.	Threshold Value + 35 % Fe	NIL	-
3f	Quantity of sub grade mineral generation.	NIL	NIL	No generation of subgrade.
3g	Grade of sub grade mineral generation	nil	nil	-
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	2.63ha	0.09h	As on September, 2018.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.83	1:0.50	As on September, 2018.
3o	Total area put in use under different heads at the end of year	3.94ha	3.79ha	-
3p	Production of ROM mineral during the last five year period as applicable	2013-14: nil 2014-15: 66000t 2015-16: 66000t 2016-17: 66000t 2017-18: 66000t	2013-14: nil 2014-15: 66000t 2015-16: 66000t 2016-17: 66000t 2017-18: 66000t	Production upto September, 2018 is 18900t.
3q	General remarks of inspecting officers on method of mining etc.	-	-	There is no change in the method of mining operations.

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	Northeastern side	Northeastern side	-

4c	Number of dumps within lease area and outside of lease area	Within Lease : 02 Outside Lease : Nil	Within Lease : 02 Outside Lease : Nil	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	out side	outside	
4e	Number of active and alive dumps.	02	02	-
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.	yes	Not started the construction of retaining wall.	Violation has been pointed out.
4i	Length of Retaining wall or garland drain all along dumps	135m Retaining wall 140m Garland drain.	not constructed as proposed.	-
4j	Number of settling ponds	02	02	-
4k	Specific comments of inspecting officer on waste dump management	-	-	The construction of Retaining wall and Garland drain have not been started to construct.

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 are no proposals for backfilling.

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 submitted	The violation has been pointed out.
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	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposals	Nil	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	No specific remarks in PMCP

Mineral Conservation:

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

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	-
7c	Different grade of mineral sorted out at mines.	+45% , -55%	+45% , -55%	-
7d	Any beneficiation process at mines .	nil	nil	Only sizing and sorting being carried.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	The necessary measures are being taken in view of mineral conservation and beneficiation issues.

Environment:

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

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals	nil	-	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	700 saplings	Additional Plantation 500	-	
8g	Survival rate	60-70 %	60-70%	-	
8h	Water sprinkling on roads to control airborne dust	Proposed	Provided	-	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	-	The aesthetic beauty in and around the mine found to be pleasant and good.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR submitted upto September, 2018 AR submitted upto 2017-18	-	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The information has been given.	-	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given the information.	-	-
9d	Scrutiny of Annual return on afforestation	The details given.	-	-

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

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(1)	07/11/2018	25/02/2019				
MCDR17	Rule 26(2)	07/11/2018	25/02/2019				
MCDR17	Rule 31(4)	07/11/2018	25/02/2019				

Date :

(K.SRINIVAS)

Indian Bureau of Mines