

**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 : **P005** ) **C.PARAMESHWARAN**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Mines Manager Sh. Obulla Reddy.  
Official with  
Designation
- (iv) Date of Inspection : 27/02/2018
- (v) Prev.inspection date : 10/09/2017

**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.  
100 BED HOSPITAL,  
HOSPET, BELLARY. BELLARY  
KARNATAKA  
Phone:  
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 :

Geologist  
Name : SANJOY K.R.MAHATO, Full Time  
Qualification : MSc ( Applied Geology)  
Appointment/ : 23/09/2015  
Termination date

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

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals.	nil	nil
1b	Exploration over lease area for geological axis 1 or 2	No proposals for the current period.	nil	nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	nil	nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Need to undergo at depth during the next period of the document.	Presently not required based on the latest document.
1e	Balance reserve as on 01/04/20	given	As on 1.4/2017 is 1404000t.	For the present document.
1f	General remarks of inspecting officers on geology, exploration etc	No proposals.	Since no proposals for the mine, whatever the exposure reserve/ resources calculated may be able to work.	May be in the future the lessee need to reassess.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	proposed in the NW to SE	as per the proposals things are going fine.	Satisfactory, except the lump & fines ratio report in the approved document.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed.	yes as per the approved document, work is going on in the mine.	yes it is as per the proposals.
2c	Stripping ratio or ore to OB ratio	1:0.70	1:0.68	same no difference.
2d	Quantity of topsoil generation in m3	Nil	nil	nil
2e	Quantity of overburden generation in m3	46200m3	44880m3	nil

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	proposed for systematic work.	As proposed the work is satisfactory.	satisfactory.
----	---	-------------------------------	---------------------------------------	---------------

---

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one pit only	yes in single pit	yes no difference.
3b	Quantity of ROM mineral production proposed	66000t	66000t	nil
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	nil
3d	Quantity of mineral reject generation	nil	nil	nil
3e	Grade of mineral rejects generation and threshold value declared.	nil	nil	nil
3f	Quantity of sub grade mineral generation.	nil	nil	nil
3g	Grade of sub grade mineral generation	nil	nil	nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized.	mechanized.	yes almost mechanized.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	nil	nil
3j	Provision of drilling and blasting in mineral benches	yes given	yes used.	yes they are using.

3k	Provision of mining machineries in mineral benches	yes given	yes used.	no problem machines are used.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes given	maintained.	yes.
3m	Total area covered under excavation/pits	1.12 ha	1.12 ha	same.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.70	1:0.68	almost same.
3o	Total area put in use under different heads at the end of year	17.06 ha	17.06 ha	same no changes.
3p	Production of ROM mineral during the last five year period as applicable	2012-13=nil 2013-14=nil 2014-15=66000t 2015-16=66000t 2016-17=66000t	2012-13=nil 2013-14=nil 2014-15=66000t 2015-16=66000t 2016-17=66000t	production maintained.
3q	General remarks of inspecting officers on method of mining etc.	proposed for systematic operations.	satisfactory, except lump & fines ration violation.	satisfactory.

---

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes proposals is there.	Nil	nil
4b	Location of topsoil, OB and mineral reject dumps	NE side of the ML area.	the same is followed.	yes it is followed.
4c	Number of dumps within lease area and outside of lease area	Proposed within the lease aera.	Four nos. within the ML & Nil outside.	As stated above.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	propsed	Away from the UPL	Yes it is followed, still the working pit need to be moved.

4e	Number of active and alive dumps.	proposed.	Three	Three only active dumps.
4f	Number of dead dumps.	Nil	nil	nil
4g	Number of dumps established.	Yes proposed.	One only.	One only.
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed.	It is adopted.	yes it is followed.
4i	Length of Retaining wall or garland drain all along dumps	proposed for 520m	490m RW & 415m GD.	yes it is progressing.
4j	Number of settling ponds	proposed.	Two nos.	two only.
4k	Specific comments of inspecting officer on waste dump management	Proposed for systematic work	Yes systematically managed.	yes is it satisfactorily.

---

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	nil
5b	Area under backfilling of mined out area	No proposals.	nil	nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals.	nil	nil
5d	Total area fully reclaimed and rehabilitated	Nil proposals.	nil	nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposals at present.	nil	nil

---

## 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).	Proposed.	Yes submitted	yes.
6b	Area available for rehabilitation (ha) .	No proposals.	No area available.	nil
6c	afforestation done (ha).	No proposals.	None	nil
6d	No. of saplings planted during the year	Nil	nil	nil
6e	Cumulative no .of plants	No proposals.	nil	nil
6f	Any other method of rehabilitation	No propopsals.	Nil	Nil
6g	Cost incurred on watch and care during the year	NO proposals	Nil	nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposals.	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposals.	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals.	Nil	Nil

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposals.	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposals.	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposals.	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposals.	Nil	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Since there is no proposals for any rehabiliatio n work	Nothing undertaken by the lessee.	Nil

---

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposed	Sorting within the ML area.	Yes it is followed.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized	Yes mechanized method is followed.	It is followed.
7c	Different grade of mineral sorted out at mines.	Yes proposed.	+45%Fe to -55%Fe.	Yes the same is practiced in the mine.

---



7d	Any beneficiation process at mines	No proposals.	Nil	nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposals.	lessee working the mine with systematically & scientifically.	It os followed.

---

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals.	nil	nil
8b	Concurrent use or storage of topsoil	No proposals.	Nil	nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed for separate waste dumps.	Yes separate waste dump is followed. But nt for rejects etc.	Only for waste dumps.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals.	nil	nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals.	nil	nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed.	yes there exist some plantations within the lease and there are some forest growth. 3000 nos reported.	yes the lessee undertaken in the past.
8g	Survival rate	75%	60-70%	60-70%

8h	Water sprinkling on roads to control airborne dust	Yes proposed water sprinkling.	It is followed.	it is followed.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Given	aesthetic beauty is maintained.	It is followed.

---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	the lessee submitted the MR & AR for the year 2016-17.	As per the format the information are furnished.	satisfactory.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager, Mining engineer given but for the geologist not given.	Geologist not present during the inspections.	It was reported part time geologist attends to the mine.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Current mining=2.25 ha, waste disposal=1.54 ha, plant building=3.51 ha & work on PMCP=1.48 ha.	The reported information are found to be ok.	Yes as found in the mine.
9d	Scrutiny of Annual return on afforestation	3000 nos of plantations in the lease area & nil in Outside the M1 area. with 60% survival rate.	It is found to be ok in the filed.	Yes it is found to be ok.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock is 18000t, prod=66000t, closing stock is 40.14t	Inspected the mine and observed on stock position, it is found ok.	Nothing adverse.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	rs. 432/t of iron ore, ex-mine price is Rs. 801 to 900 for lump ore from <55 to +65%Fe grade. and for fines is Rs. 877/t to rs. 1065/t of fines of grade from < 55 to	As per the existing price in the mine and the market are found to be ok.	satisfactory.
9h	Scrutiny of Annual return on fixed assets	Rs. 849517/- on mine, beneficiation, plant, work shop etc.	whatever reported & the field observation are ok.	ok.
9k	Scrutiny of Annual return on mining machineries	Mining machineries reported in the return as per the proposals.	whatevr reported are used in the mine for their development & productions.	satisfactory.

---

**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)	16/04/2018			
MCDR17	Rule 45(5)(k)	16/04/2018			
MCDR17	Rule 11(1)	16/04/2018			
	Rule 45(5)(b)	16/04/2018			

**Date :**

**(C.PARAMESHWARAN)**

Indian Bureau of Mines