

**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 : Junior Mining Geologist
- (iii) Accompanying mine : Shri Lakshmikanth, Manager, Sudarshan, ME, Tejas K ,Ge  
Official with  
Designation
- (iv) Date of Inspection : 16/01/2023
- (v) Prev.inspection date : 16/01/2020

**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** : **SRI.KAVIRAJ, NOMINATED OWNER, LAXMI MINERALS**  
**correspondance** **601, 7th Main, Balanjaneya Temple**  
**M.J.NAGAR, Hospet, Bellary -583201**
3. (a) **Lease Number** : **KAR1482**
- (b) **Lease area** : **34.14**
- (c) **Period of lease** : **50**
- (d) **Date of Expiry** : **17/04/2057**
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	:	Fresh under rule 22 MCR1960	13/04/2004
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	05/07/2013
		MP review under 17(1) MCR 2016	09/11/2016
		MP modif under 17(3) MCR 2016	13/06/2018
		Modif.approved Mining Scheme	04/08/2021
		MP review under 17(1) MCR 2016	21/04/2022

## 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	15 RC boreholes 10 trial pits for the year 2021-22	14 RC boreholes, 13 trial pits and 4 trenches carried out during the year 2021-22.	As reported in the AR 2021-22.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	30 lakh rupees	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	G-1- 13.24 Ha G-2- nil G-3- nil G4- nil	-
1e	Balance reserve as on 01/04/20	-	-	Reserves of HSIO as on 1.4.2022: 5021892tonnes (37.62%) Reserves of Hematitic Iron ore as on 1.4.2022: 1009894t (48.50% Fe)
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The proposed exploration has been carried out.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit-1: Section A-A' to J-J'. Pit-2: Section B-B', C-C' and E-E'	Carried out in the proposed location.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	yes	-

2c	Stripping ratio or ore to OB ratio	1: 0.14 (in tonnes)	1: 0.28(in tonnes)	Iron ore : Ore :52000t Waste : 14900t
2d	Quantity of topsoil generation in m3	No proposal	nil	-
2e	Quantity of overburden generation in m3	7179m3	7450 m3	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	The proposed development has been carried out.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit 1 & 2	Pit 1 & 2	-
3b	Quantity of ROM mineral production proposed	99,793t	52000 t	Violation pointed out for less production.
3c	Recovery of sailable/usable mineral from ROM production	95%	90.2%	-
3d	Quantity of mineral reject generation	4990t	5100t	As per the AR 2021-22.
3e	Grade of mineral rejects generation and threshold value declared.	Not specified	32% Fe	-
3f	Quantity of sub grade mineral generation.	No proposal	nil	-
3g	Grade of sub grade mineral generation	No proposal	nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method for segregation	Mechanised method for segregation	-

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	No such beneficiation study carried out	-
3j	Provision of drilling and blasting in mineral benches	Provision of Drilling and Blasting is proposed for mineral benches.	Drilling and blasting has been carried out.	-
3k	Provision of mining machineries in mineral benches	Mining Machineries proposed- Excavators- 3 Tippers- 4 Drill-1 Wheel Loaders -1 Water tanker-1 Mobile Crusher- 1	Machinery deployed: Excavators- 2 Tippers- 6 Drill-1 Wheel Loaders -2 Water tanker-1 Mobile Crusher- 1	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height- 8m Bench Width- 8m	Bench Height- 8m Bench Width- 8m	-
3m	Total area covered under excavation/pits	5.36 Ha (At the end of the plan period)	5.79 Ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.14 (in tonnes)  1: 0.14 (in tonnes)  1: 0.14 (in tonnes)	1: 0.14 (in tonnes)	-
3o	Total area put in use under different heads at the end of year	Mine Working- 5.36 Ha Dumping - 5.41ha Roads -1.56ha Afforestation- 1.57 Ha	Mine Working- 5.79 Ha Dumping - 5.40 Ha Other purpose-4.1ha Infrastructure-1.64ha	-

3p	Production of ROM mineral during the last five year period as applicable	2017-18 :66000t 2018-19 :45000t 2019-20 :99988t 2020-21:88000t 2021-22 :52000t :99974t 2020-21:99895t 2021-22 :99974t	2017-18 :66000t 2018-19 :45000t 2019-20 :45000t 2020-21:88000t 2021-22 :52000t	-
3q	General remarks of inspecting officers on method of mining etc.	-	-	There is no change in method of mining. The proposed production has not been achieved. The violation has been issued.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate Dumping of Overburden is proposed.	Separate Dumping of Overburden is carried out.	-
4b	Location of topsoil, OB and mineral reject dumps	Proposed in North Eastern portion of the mining lease.	Overburden dumping carried out in the proposed location.	-
4c	Number of dumps within lease area and outside of lease area	Within Lease Area- 2 Outside lease- NIL	Within Lease Area- 2 Outside lease- NIL	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the Ultimate Pit Limit	Outside the Ultimate Pit Limit	-
4e	Number of active and alive dumps.	2	2	-
4f	Number of dead dumps.	nil	nil	-
4g	Number of dumps established.	No proposal.	nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall & Garland drain proposed	Not constructed	Violation issued.

4i	Length of Retaining wall or garland drain all along dumps	Garland Drain- 140m Retaining wall- 135m	Not constructed.	Violation issued
4j	Number of settling ponds	no proposal	nil	-
4k	Specific comments of inspecting officer on waste dump management	-	-	The construction of Retaining wall and Garland drain has not been carried out for the year 2021-22. The violation has been issued.

#### 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 backfilling proposals for the year 2021-22.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted under rule 26(2) of MCDR, 2017 before 1st July of every year.	Submitted on 13.04.2022.	-
6b	Area available for rehabilitation (ha) .	No specific proposal	nil	-
6c	afforestation done (ha).	No proposal	nil	-
6d	No. of saplings planted during the year	No proposal	2500 saplings planted in green belt	Gap filling Plantation.
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)	Environment monitoring is proposed for Core and Buffer Zone.	Environment monitoring is being carried out monthly in Core and Buffer Zone.	All the environmental parameters observed to be within the permissible limits.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	There are no specific proposals for the year 2021-22 in PMCP.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting is proposed within lease area.	Grade wise sorting is done within lease area.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical Sorting	Mechanical Sorting	Dry Crushing & Screening

7c	Different grade of mineral sorted out at mines.	Grade wise sorting is proposed.	Grade wise sorting is done in lease area.	-
7d	Any beneficiation process at mines	No proposal	nil	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	There are no specific comments 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	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal for Separate dumping of Overburden.	Separate dumping of Overburden carried out.	-
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)	No proposal	2500saplings planted in green belt and 500 saplings outside the ML.	Gap filling plantation.
8g	Survival rate	No proposal	70%	-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed to control airborne dust.	Water tankers are deployed to control the airborne dust on haul roads and screening plant.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	There is no change in aesthetic beauty in and around mines.

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#### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to December, 2022. A.R for the year 2021-22 submitted on 30.6.2022.	-	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Lakshmikanth, Mine Manager Sudarshan Mining Engineer	Geologist appointed, but not intimated	Violation pointed out.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mine Working- 5.79 Ha Dumping - 5.40 Ha Other purpose- 4.1ha Infrastructure -1.64ha	Appears to be correct	-
9d	Scrutiny of Annual return on afforestation	2500saplings within the ML with 70% survival rate.	Appears to be correct	-

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	5100t with 32%Fe.	Appears to be correct	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	O/S -51560t Production of Iron ore - 52000t C/S -27960 t	Appears to be correct	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production- Rs1456/tonne. Av.Ex- pricemine- Rs2169/tonne	Appears to be correct	-
9h	Scrutiny of Annual return on fixed assets	Fixed Assets- Rs15814323/-	Appears to be correct.	-
9k	Scrutiny of Annual return on mining machineries	Machinery deployed: Excavators- 2 Tippers- 6 Drill-1 Wheel Loaders -2 Water tanker-1 Mobile Crusher- 1	Appears to be correct.	-

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**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)	13/02/2023			
MCDR17	Rule 31(4)	13/02/2023			
Rule 34		13/02/2023			
Rule 46		13/02/2023			

**Date :**

**(K.SRINIVAS)**

Indian Bureau of Mines