

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

**MCDR inspection REPORT**

**Bangalore regional office**

**Mine file No :** KNT/BLR/FE/457/BNG

**Mine code :** 30KAR03164

- (i) Name of the Inspecting : **257** ) **Prashant S Hegde**  
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : S/Shri Venkatesh Raju, Agent and R. Sathyanarayan, Mi  
Official with  
Designation
- (iv) Date of Inspection : 06/02/2020
- (v) Prev.inspection date : 19/04/2010

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **JAISINGHPUR**
- (b) **Registration NO.** : **IBM/175/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **BELLARY**
- Village : **JAISINGHPUR**
- Taluka : **SANDUR**
- Post office : **JAISINGHPUR**
- Pin Code :
- FAX No. : **08394-230644**
- E-mail : **srilakshminerals@yahoo.co**
- Phone : **08394 - 230644, 9880765116**
- (f) **Police Station** : **SANDUR**
- (g) **First opening date** : **18/04/2007**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **K. R.KAVIRAJ, Proprietor, M/s Lakshmi MINERALS**  
**601, 7th Main, Balanjaneya Temple, M.J Nagar,**  
**Hospet, BELLARY - 583201**
3. (a) **Lease Number** : **KAR1480**
- (b) **Lease area** : **36.42**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **17/04/2027**
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 : K.R.KAVIRAJ  
 No. 601, 7th Main, Near  
 Balanjaneya Temple, M.J.  
 Nagar, Hospet BELLARY  
 KARNATAKA  
 Phone: 08394-230644  
 FAX :

Agent : Venkatesh Raju  
 601,7th Main,Balanjaneya  
 Temlp M.J.Nagar,Hospet.  
 BELLARY KARNATAKA  
 Phone: 08394-230644  
 FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	05/07/2013
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	11/07/2014
	:	MP review under 17(1) MCR 2016	04/11/2016
	:	MP modif under 17(3) MCR 2016	15/06/2018

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	12 nos of trial pits ( 2.5 m X 2.5 X 5 m)	NIL	Non-working mine.
1b	Exploration over lease area for geological axis 1 or 2	NA	G1: 34.14 Ha	Float ore deposit
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NIL	No exploration carried out during year 2018-19.
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	As per approved Modified RMP dated 15/6/2018, entire area covered under G-1 and 12 nos of additional trial pits proposed for confirmation of depth.
1e	Balance reserve as on 01/04/20	----- --	1.791 million tonnes (+45 % Fe cut-off grade with 58.3 % Fe average grade)	Based on approved modified RMP dated 15/6/2018.
1f	General remarks of inspecting officers on geology, exploration etc	-----	-----	Float Iron ore deposit. As per approved Modified RMP dated 15/6/2018, entire area covered under G-1 and 12 nos of additional trial pits proposed for confirmation of depth.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	North Block ( N-1678500 to 1678300 and E-654100 to 653800 ) and South block ( N-1678200 to 1678100 and E-654100 to 654000)	NIL	Non-working (NW) mine.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No top-soil generation, float ore deposit with depth varies from 1.5 to 5 m and wastes generated will be backfilled simultaneously	NIL	NW.
2c	Stripping ratio or ore to OB ratio	1: 0.33	NIL	Cum. data.
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	10,000	NIL	NW.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	----- ---	-----	Corner BPs are well maintained at the time of inspection. Mining Operation was stopped since 29/7/2011 as per Hon'ble Supreme Court order. Lessees had obtained all statutory clearances except pending Forest clearance i.r.o. Transport/ haulage road as sought by the Monitoring Committee.

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**Exploitation:**


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Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	0.952 Ha area in North Block and 0.432 Ha area in South block of ML.	NIL	NW.
3b	Quantity of ROM mineral production proposed	90,000 tonnes	NIL	NIL
3c	Recovery of sailable/usable mineral from ROM production	75 %	NIL	NW.
3d	Quantity of mineral reject generation	NIL	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NA	NIL	+45 % Fe was cut-off grade.
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NA	NA	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	NIL	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposals.	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	No drilling and blasting as float ore deposit.	NIL	NW.
3k	Provision of mining machineries in mineral benches	Yes. Excavator and Tippers.	NIL	NW.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Float ore deposit with depth varies from 1.5 to 5 m and wastes generated will be backfilled simultaneously	NIL	NW.
3m	Total area covered under excavation/pits	8 Ha	7 Ha	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.33	NIL	Cum. data.
3o	Total area put in use under different heads at the end of year	Pits: 8 Ha Mineral storage area: 3.10 Ha Dump: 0.1 Ha	Pits: 8 Ha Mineral storage area: 3.10 Ha Dump: 0.1 Ha	NIL
3p	Production of ROM mineral during the last five year period as applicable	2014-15: 10,000 tonnes 2015-16: 10,000 tonnes 2016-17: 10,000 tonnes 2017-18: 10,000 tonnes 2018-19: 90,000 tonnes 2019-20: 90,000 tonnes	2014-15: NIL 2015-16: NIL 2016-17: NIL 2017-18: NIL 2018-19: NIL 2019-20: NIL (upto Dec-2019)	NIL
3q	General remarks of inspecting officers on method of mining etc.	-----	-----	Mining Operation was stopped since 29/7/2011 as per Hon'ble Supreme Court order. Lessees had obtained all statutory clearances except pending Forest clearance i.r.o. Transport/ haulage road as sought by the Monitoring Committee.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No top soil generation. Wastes generated (25 % of excavation) will be used for concurrent back filling of mined out pit as float ore deposit.	NIL	Non-working mine.
4b	Location of topsoil, OB and mineral reject dumps	Concurrent back-filling at mined out pit of North Block of North Block ( N-1678500 to 1678300 and E-654100 to 653800 ) and South block ( N-1678200 to 1678100 and E-654100 to 654000)	NIL	NW.
4c	Number of dumps within lease area and outside of lease area	Within ML: 2 nos (Northern part of ML Viz. ID-1 and 2)and Outside ML: Nil	Actual also same.	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL as float ore deposit.	Within UPL as float ore deposit.	It is proposed to be shifted for back-filling.
4e	Number of active and alive dumps.	NIL	NIL	NIL
4f	Number of dead dumps.	2 nos	2 nos	NIL
4g	Number of dumps established.	2 nos Partly stabilised.	2 nos Partly stabilised.	It is proposed to be shifted for back-filling.
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	Carried out as per approved R &R Plan.	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	Cum. of 365 m retaining wall and cum. of 320 m garland within ML.	NIL
4j	Number of settling ponds	NIL	NIL	NIL

4k	Specific comments of inspecting officer on waste dump management	----- --		Area falls under dumps is only 0.1 ha as float ore deposit and same wastes material will be proposed to be shifted and utilised for back-filling.
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#### 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.	Concurrent back-filling at mined out pit of 0.952 Ha area in North Block and 0.432 Ha area in South block of ML as float iron ore deposit of average about 3 m depth.	NIL	Non-working mine.
5b	Area under backfilling of mined out area	0.952 Ha area in North Block and 0.432 Ha area in South block of ML	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil generation.	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	1.384 Ha	NIL	By plantation on back-filled area.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-----	-----	Proposed concurrent backfilling was not carried out as non-working mine.

#### 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).	1 st July	Informations furnished at time of inspection.	Non-working mine.
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	NIL	NIL	No such proposals for dumps and worked out benches.
6d	No. of saplings planted during the year	NIL	NIL	NIL
6e	Cumulative no .of plants	NIL	NIL	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	NA	NIL	NW
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	1.384 ha area proposed for concurrent back-filling as float ore deposit of about 3 m. depth.	NIL	Non-working.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Concurrent back-filling and plantation on back-filled area.	NIL	NW.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	3460 nos of saplings	NIL	NW.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such 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	0.24 Ha	NIL	Green-belt.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.24 Ha of Green-belt.	NIL	Non-workinig.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Afforestation.	NIL	NW.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Season-wise environmental proposed.	Not carried out as non-working.	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-----	-----	Lessees had obtained all statutory clearances except pending Forest clearance i.r.o. Transport/ haulage road as sought by the Monitoring Committee. Lessee had reported to be completed approved R & R proposals and mining operation will be resumed after Forest clearance i.r.o. Transport/ haulage road.

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**Mineral Conservation:**


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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting within ML.	NIL	Non-working mine.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical using dry crushing and screening.	NIL	NIL
7c	Different grade of mineral sorted out at mines.	Different grade Lumps and fines sorting at mine	NIL	NW.
7d	Any beneficiation process at mines .	None except dry crushing and screening for size separation.	NIL	NW.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-----	-----	No mineral conservation aspects/issue as non-working mine.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	NIL
8b	Concurrent use or storage of topsoil	NIL	NIL	No top-soil generation proposals.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Concurrent back filling of mined out pit as float ore deposit.	NIL	NW.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Concurrent back filling of mined out pit and afforestation on back-filled area proposed	NIL	NW.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Concurrent back filling of mined out pit and afforestation on back-filled area proposed	NIL	NW.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Afforestation on 1.384 Ha area ( 3460 nos) of back-filled area and 0.24 Ha area of green belt.	NIL	NW.
8g	Survival rate	NA	NIL	NW.
8h	Water sprinkling on roads to control airborne dust	Proposed.	Presently non-working.	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-----	-----	Aesthetic beauty in and around mines area observed to be satisfactory as lessee implementing approved R & R plan and MP/RMP.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR (2018-19) and MRs upto Dec-2019 received.	Submission of AR and MRs are regular.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	None	None	Non-working mine.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings: 7 Ha Dumps: 0.1 Ha Occupied by plant, buildings, residential, welfare buildings & roads: 2.56 Ha.	Actual also same.	NIL
9d	Scrutiny of Annual return on afforestation	NIL	NIL	During year 2018-19
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	ROM stock: Nil Fines Below 55% Fe: 66458.94 tonnes	Actual also same.	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price: Nil Cost of production: NIL	Actual also same as non-working mine.	NIL
9h	Scrutiny of Annual return on fixed assets	Rs 1,29,34,391	Actual also reported to be same.	NIL
9k	Scrutiny of Annual return on mining machineries	NIL	One tipper, one loader and one excavator ( 1.3 cum) exist at mine.	Letter issued to the lessee for correction in AR for mining machineries and reserves/ resources on 11/3/2020.

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**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

**Date :****(Prashant S Hegde)**

Indian Bureau of Mines