

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

**Review and updation of Mining Plan REPORT**

**Bangalore regional office**

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

**Mine code :** 30KAR03164

- (i) Name of the Inspecting : **S47** ) **DR. Sudhakara T.L**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Mr.Sandeep Reddy K B.E(Mining),  
Official with  
Designation
- (iv) Date of Inspection : 27/01/2022
- (v) Prev.inspection date : 04/10/2016

**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 : K. R.KAVIRAJ, Proprietor, M/s Lakshmi MINERALS  
correspondance 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	11/07/2014
Plan/Scheme of Mining		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	During 2018-19 proposed 12 nos. of pits.	35 nos. of Trial pits carried out during the 2021-22.	Dimension of the pit about 2.5mx2.5mx5m.
1b	Exploration over lease area for geological axis 1 or 2	NIL	G1 level - 26.54 Ha G2 level - 7.60 Ha	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	Chaithanya Geo-chem, Hosapete. Rs 122500/- at the rate of Rs 3500/- per pit	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	6.60 ha of area in the safety zone was not explored.
1e	Balance reserve as on 01/04/20	1.791 MMT (As per approved RMP dated 15/06/2018)	1.714 MMT (As on 01/04/2022)	As per approved RMP 21/04/2022.
1f	General remarks of inspecting officers on geology, exploration etc			The mineralization in the lease area is float ore. Due to pending of statutory clearances, mine was not working. The ore type in the lease area is float ore. Lessee has explored the area by pitting.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposed at 2 locations during the year 2020-21 North Block E.653900, N.1678350 South block E654050, N.1678100	NIL	Mine was not working due to requirement of clearances from Forest Dept.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Proposal	NIL	As the deposit is float in nature, no top soil or over burden is available.
2c	Stripping ratio or ore to OB ratio	1:0.22	NIL	Mine was non working.
2d	Quantity of topsoil generation in m3	No Proposal	Nil	No top soil.
2e	Quantity of overburden generation in m3	10000	4650	Upto 31/12/2021
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine was non working due to want of statutory clearances, no development carried out during the year 2020-21.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02 (North Block & South Block)	NIL	
3b	Quantity of ROM mineral production proposed	90000 Tons	NIL	Production commenced during 2021-22. The total quantity produced till Upto 31/12/2021 is 43500 Tons
3c	Recovery of sailable/usable mineral from ROM production	75%	NIL	
3d	Quantity of mineral reject generation	No proposal	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	NIL	
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	OTFM	OTFM	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	NIL	
3j	Provision of drilling and blasting in mineral benches	No proposal	NIL	It is a float ore deposit the float can be extracted directly by digging.
3k	Provision of mining machineries in mineral benches	Excavator-01, Tipper-02, Wheel loader and Mobile screen.	NIL	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of mineral benches are varies from 3m to maximum 5m	NIL	
3m	Total area covered under excavation/pits	11.46Ha (till plan period i.e. upto 31/03/2022)	7 Ha	Mine is not working
3n	Ore to OB ratio for the pit/mine during the year.	1:0.22	NIL	
3o	Total area put in use under different heads at the end of year	24.12Ha	19Ha	No mining operation was carried out upto June 2021 due to Forest approach road issue.
3p	Production of ROM mineral during the last five year period as applicable	450000 Tons	NIL	No mining operation was carried out upto June 2021 due to Forest approach road issue.

3q	General remarks of inspecting officers on method of mining etc.	Lessee has not carried out iron production during 2020-21 due Forest clearance issue till June, 2021. However Lessee has commenced operation from 10/07/2022 and produced 500 tonnes of iron ore till date of inspection.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Concurrent backfilling	NIL	
4b	Location of topsoil, OB and mineral reject dumps	No proposal of concurrent back filing is proposed	NIL	
4c	Number of dumps within lease area and outside of lease area	No proposal of concurrent back filing is proposed	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	NA	
4e	Number of active and alive dumps.	NIL	NIL	Inactive dumps two present in the lease area at N1678569-1678540 E654452-654484 and N1678593-1678570 E654536-654576 locations
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.	No proposal	NIL	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	NIL	
4j	Number of settling ponds	No proposal	NIL	
4k	Specific comments of inspecting officer on waste dump management			The Mine was non working due to Forest clearance till June 2021. Hence, no activity carried out as proposed during the year 2020-21.

#### 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.	After extraction of Av. 2.89 mts of float ore depth concurrent back filling is proposed.	NIL	Mine was not working.
5b	Area under backfilling of mined out area	1.38 Ha	NIL	Mine was not working.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil is available	NA	
5d	Total area fully reclaimed and rehabilitated	1.38 Ha area back filling & plantation proposed	NIL	Mine was not working due to Forest clearance.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The Mine was non working due to Forest clearance till June 2021. Hence, no activity carried out as proposed during the year 2020-21.

## 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).	YES	Annual report on PMCP not submitted	Mine is not operated during 2020-21,
6b	Area available for rehabilitation (ha) .	No Proposal	NA	
6c	afforestation done (ha).	Proposed 1.384 ha (3460 plants)	NIL	
6d	No. of saplings planted during the year	3460	NIL	
6e	Cumulative no .of plants	No Proposal	NIL	
6f	Any other method of rehabilitation	No Proposal	NA	
6g	Cost incurred on watch and care during the year	NIL	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Proposed 20-21 1.384 Ha	NIL	Concurrent backfilling prepared, however mine was non-working during the period.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1.384 Ha	NIL	Concurrent backfilling prepared, however mine was non-working during the period.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	1.384 Ha	NIL	Concurrent backfilling prepared, however mine was non-working during the period.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NA	



6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No Proposal	NA	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No Proposal	NA	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No Proposal	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No Proposal	NA	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Though the mine was not in operation during 2020-21, lessee has carried out plantation and R & R activities as per ICFRE.

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**Mineral Conservation:**

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	90000 Tons	NIL	43500Tons during the year 2021-22 (Till 31/12/2021)
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	NIL	

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7c	Different grade of mineral sorted out at mines.	+45% Fe	NIL	
7d	Any beneficiation process at mines	No proposal	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Mine was non working during 2020-21. 43500Tons during the year 2021-22 (Till 31/12/2021)

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	NIL	No operation carried out.
8b	Concurrent use or storage of topsoil	No proposal	NIL	The ore type is float ore, No top soil.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No dumps were proposed	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Concurrent back filling proposed	NIL	No operation carried out.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Concurrent back filling & simultaneous plantation.	NIL	As the pit was not fully extracted, no concurrent back filling was carried out

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	4500 no of saplings were planted and no additional plantation was proposed	2500 nos of saplings were planted during this period	
8g	Survival rate	80%	75%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road proposed.	Water sprinkling was carried out for dust control	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Since the mine was not working, only plantation carried out during the safety zone area. Aesthetic beauty in and around mines area is good.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual Return Submitted on 21-07-2021 M.R. Submitted up to Dec 2021.		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NIL	NIL	Mr. Sandeep Reddy K, Mining Engineer and Sachin K, Geologist present during the inspection
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	i) Covered under current (O/C) Workings : 7 Ha ii) Infrastructure 2.56Ha iii) Reclaimed/ Rehabilitated : 0.3 ha	Appears to be correct	
9d	Scrutiny of Annual return on afforestation	NIL	NIL	Plantation carried out around safety zone

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	66458.94 tonnes of Iron ore below 55% grade fines present in the Mine head.	Appears to be correct	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil Production during the year 2020-21	NIL	
9h	Scrutiny of Annual return on fixed assets	ZERO	Appears to be correct	
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	The mine was not in operation during 2020-21.

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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 :**

(DR. Sudhakara T.L)

Indian Bureau of Mines