

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

Inspection under SDF for star rating of mines REPORT

Bangalore regional office

Mine file No : KNT/BLR/FE-500/BNG

Mine code : 30KAR03192

- (i) Name of the Inspecting : **S19**) **SANDEEP KUMAR SINGH**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr,Sathyaprakash (GM-Mines), Mr AmruthKumar V,(Minin
Official with
Designation
- (iv) Date of Inspection : 13/06/2022
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KIRLOSKAR BHARATH MINES**
- (b) **Registration NO.** : **IBM/161/2011**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **BELLARY**
- Village : **NANDIHALLI**
- Taluka : **SANDUR**
- Post office : **DONIMALAI**
- Pin Code : **583118**
- FAX No. : **08539286706**
- E-mail : **GURURAJ.AGASNOOR@KIRLOSKAR**
- Phone : **08539286711**
- (f) **Police Station** : **Sandur Police Station**
- (g) **First opening date** : **19/03/2021**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **NANDIHALLI VILLAGE**
SANDUR TALUK
BALLARI DISTRICT, KARNATAKA
3. (a) **Lease Number** :
- (b) **Lease area** :
- (c) **Period of lease** :
- (d) **Date of Expiry** :
4. **Mineral worked** : **IRON ORE** **Main**

5. Name and Address of the

Lessee : KIRLOSKAR FERROUS INDUSTRIES LIMITED
KOPPAL KARNATAKA
Phone:
FAX :

Owner : Mr,Ravindranath Gumaste
Near Muncipal ground ,
Annapoorna badavane
,Hopapete. KARNATAKA
BELLARY KARNATAKA
Phone: 9448491632
FAX :

Mining Engineer

Name : Amruth kumar V,Full Time
Qualification :
Appointment/ : 12/03/2021
Termination date

Geologist

Name : Girish B.K,Full Time
Qualification : MSc GEOLOGY
Appointment/ : 12/03/2021
Termination date

Manager

Name : Sathyaprakash M
Qualification : BE Mining
Appointment/ : 01/11/2021
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Fresh under rule 22 MCR1960 24/05/2019

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	15 no: of core bore holes-710 mts proposed during year 2020-21.	15 nos. of core exploratory boreholes with total meterage of 710 m were proposed to be drilled during the year 2020-21 against which no exploratory core drilling has been carried out.	Violation issued under Rule 11(1) of MCDR 2017
1b	Exploration over lease area for geological axis 1 or 2	No proposal for the year 2021-22	NIL	The mine is under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not mentioned	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	G-2-0.44 ha G-3-3.24 ha G-4-3.38 ha	G-2-0.44 ha G-3-3.24 ha G-4-3.38 ha	No Exploration carried out. The mine is under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.
1e	Balance reserve as on 01/04/20	34,04,405 tonnes of iron ore with average grade 52.19 % as on June-2019	33,05,711 tonnes as on 1.04.2022.	Balance reserves.

1f	General remarks of inspecting officers on geology, exploration etc	i)15 nos. of core exploratory boreholes with total meterage of 710 m were proposed to be drilled during the year 2020-21 against which no exploratory core drilling has been carried out. Violation issued under Rule 11(1) of MCDR 2017. ii)The mine is under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Section-S2-S2' toS4a-S4a'	NIL	The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed in OB & mineral	Separate benches maintained in OB & mineral	NIL
2c	Stripping ratio or ore to OB ratio	1 : 0.08 (In tonnes)	NIL	The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.
2d	Quantity of topsoil generation in m3	No proposal	NIL	NIL
2e	Quantity of overburden generation in m3	4818 Cum~9636 tons proposed	NIL	NIL

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 pit proposed for production	NIL	The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.
3b	Quantity of ROM mineral production proposed	123903 tons of ROM proposed	NIL	The mine is non-working
3c	Recovery of sailable/usable mineral from ROM production	100 % proposed	NIL	The mine is non-working
3d	Quantity of mineral reject generation	No proposal	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	NIL	NIL
3f	Quantity of sub grade mineral generation.	No proposal	NIL	NIL
3g	Grade of sub grade mineral generation	No proposal	NIL	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Only Dry Crushing & Screening proposed Jaw crusher and Screen plant of 100 TPH	Nil	The mine is non-working

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	Drilling and Blasting proposed for 50 % of the material.	Nil	The mine is non-working
3k	Provision of mining machineries in mineral benches	Excavator-0.9 Cum-2 nos. Wheel loader-1 Cum-1 no. Tipper-16 tons- 5 nos. Water tanker-8 KL- 2 nos. Drill-115 mm-1 n0.	NIL	The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	For both OB & mineral 7m proposed.	7 m bench height maintained for both OB & mineral.	NIL
3m	Total area covered under excavation/pits	9.89 ha till end of plan period (31.03.2025)	9.89 ha as on 1.04.2022	As reported by the Lessee during inspection
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.08	NIL	The mine is non-working.
3o	Total area put in use under different heads at the end of year	i)Mining-9.89 ha ii)OB dump-4.80 ha iii) Infra & roads- 0.5 ha (till end of plan period-31.03.2025)	i)Mining-9.89 ha ii)OB dump-4.80 ha iii) Infra & roads- 0.45 ha (As on 1.04.2022)	As reported by the Lessee during inspection
3p	Production of ROM mineral during the last five year period as applicable	2020-21:1,23,890 2021-22:123903 (in tonnes)	20-2021: 98694 2021-22: Nil (in tonnes)	The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.

3q General remarks of inspecting officers on method of mining etc.

The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping for OB Proposed.	Separate dumping for OB maintained	PPD waste dump.
4b	Location of topsoil, OB and mineral reject dumps	OB-PPD N-1662117 to 1662670 E-671192 to 671137	No mine production during the year 2021-22 and no waste handling.	The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.
4c	Number of dumps within lease area and outside of lease area	Inactive dump 4 dumps (ID-1, ID-2, ID-3, ID-4) Active Dump 1 dump (PPD Dump)	Inactive dump 4 dumps (ID-1, ID-2, ID-3, ID-4) Active Dump Nil	The mine is non-working
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL for current active dump PPD	NIL	NIL
4e	Number of active and alive dumps.	1	NIL	The mine is non-working
4f	Number of dead dumps.	4 dead dumps (ID-1, ID-2, ID-3 & ID-4)	4 dead dumps (ID-1, ID-2, ID-3 & ID-4)	
4g	Number of dumps established.	No proposal	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	Toe wall & garland drain proposed for EID/ID & PPD.	The mine is non-working due to lapse of FC.	NIL
4i	Length of Retaining wall or garland drain all along dumps	Toe wall & garland drain proposed for EID/ID & PPD.	The mine is non-working due to lapse of FC.	NIL

4j	Number of settling ponds	No proposal	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management			The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.

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	NIL
5b	Area under backfilling of mined out area	No proposal	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	No proposal	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.

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).	To be submitted before 1st of July every year	Annual PMCP report for the year 2021-22 yet to be submitted on the date of inspection.	NIL

6b	Area available for rehabilitation (ha) .	0.536 ha greenbelt area.	NIL	The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.
6c	afforestation done (ha).	0.536 ha greenbelt area.	Nil	The mine is non-working.
6d	No. of saplings planted during the year	1340 nos. of saplings proposed	Nil	The mine is non-working.
6e	Cumulative no .of plants	2680 nos. till 2021-22	1340 nos.	As reported by the Lessee during inspection.
6f	Any other method of rehabilitation	No proposal	NIL	NIL
6g	Cost incurred on watch and care during the year	Not mentioned	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	NIL	NIL

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring proposed in core and buffer zone.	NIL	The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Only dry crushing & screening proposed. Jaw crusher and Screen plant of 100 TPH	NIL	The mine is non-working due to lapse of FC.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting proposed.	Nil	The mine is non-working due to lapse of FC

7c	Different grade of mineral sorted out at mines.	No proposal	NIL	NIL
7d	Any beneficiation process at mines	No proposal	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	NIL	NIL
8b	Concurrent use or storage of topsoil	No proposal	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump proposed for OB. (PPD Dump)	NIL	The mine is non-working due to lapse of FC.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NIL	NIL

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	NIL	NIL
8g	Survival rate	80 % proposed	NIL	The mine is non-working due to lapse of FC.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed to control airborne dust.	NIL	The mine is non-working due to lapse of FC.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The mine is non-working and under temporary discontinuance due to lapse of Forest clearance w.e.f. 05/04/2021.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Returns Submitted up to May-22 on 09.06.2022 Annual Returns Submitted up to 2020-21 on 22.07.2021		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual Return for the year 2021-22 yet to be submitted on date of inspection	NIL	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annual Return for the year 2021-22 yet to be submitted on date of inspection	NIL	NIL
9d	Scrutiny of Annual return on afforestation	Annual Return for the year 2021-22 yet to be submitted on date of inspection	NIL	NIL

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annual Return for the year 2021-22 yet to be submitted on date of inspection	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Annual Return for the year 2021-22 yet to be submitted on date of inspection	NIL	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Annual Return for the year 2021-22 yet to be submitted on date of inspection	NIL	NIL
9h	Scrutiny of Annual return on fixed assets	Annual Return for the year 2021-22 yet to be submitted on date of inspection	NIL	NIL
9k	Scrutiny of Annual return on mining machineries	Annual Return for the year 2021-22 yet to be submitted on date of inspection	NIL	NIL

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
MCDR17	Rule 11(1)	04/07/2022	04/08/2022		

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines