

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

**MCDR inspection REPORT**

**Bangalore regional office**

**Mine file No :** KNT/BLR/Fe-499/BNG

**Mine code :** 30KAR03191

- (i) Name of the Inspecting : **S011** ) **K.SRINIVAS**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Mallikarjuna SHM- Mine Manager (AGM) Paramesh K M - M  
Official with  
Designation
- (iv) Date of Inspection : 16/03/2022
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **JANIKUNTA IRON ORE MINE**
- (b) **Registration NO.** : **IBM/216/2011**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **BELLARY**
- Village : **JANIKUNTA**
- Taluka : **BELLARY**
- Post office : **INFANTRY ROAD,CANTONEMENT**
- Pin Code :
- FAX No. : **022-42863000**
- E-mail : **contact@hothurindia.com,su**
- Phone : **08392-201853,022-42868128,(**
- (f) **Police Station** : **Deogiri**
- (g) **First opening date** : **08/02/2021**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **JSW Mining Office, Near Talur Cross, Vidyanagar  
Toranagallu, Sandur Taluk, Ballari- 583275,  
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 : M/S HOTHUR ISPAT PVT LTD  
 Hothur Estates, NH 63,  
 Veniveerapur, Hospet Road  
 Bellary BELLARY KARNATAKA  
 Phone:08392-201853  
 FAX :

Owner : DR. VINOD NOWAL  
 DY.MANAGING DIRECTOR, M/S  
 JSW STEEL LIMITED, NANDI  
 IRON ORE MINE, BELLARY  
 BELLARY KARNATAKA  
 Phone: 9448286155  
 FAX :

Agent : SUNIL KUMAR SINGH  
 JSW steel Ltd., Vijayanagar  
 works, Vidyanagar Po,  
 Bellari, Karnataka BELLARY  
 KARNATAKA  
 Phone: 9449598135  
 FAX : 08395250132/142

## Mining Engineer

Name : PARAMESHA KM, Full Time  
 Qualification : B.TECH MINING  
 Appointment/ : 13/11/2020  
 Termination date

## Geologist

Name : JAGADEESHA BS, Full Time  
 Qualification : M.Sc APPLIED GEOLOGY  
 Appointment/ : 13/11/2020  
 Termination date

## Manager

Name : MALLIKARAJUNA SHM  
 Qualification : FCC  
 Appointment/ : 10/08/2020  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : MP under 16(1) of MCR 2016 16/02/2017  
 Fresh under rule 22 MCR1960 12/09/2019

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals	Nil	ML executed on 10.08.2020
1b	Exploration over lease area for geological axis 1 or 2	No proposals for the year 2020-21	NIL	--
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposals	NIL	--
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	G2-7.47 Ha, G3-2.73 Ha.	-
1e	Balance reserve as on 01/04/20	--	--	Reserves as on 1.4.2021: 22,66,880 t 45% to 67.99%Fe
1f	General remarks of inspecting officers on geology, exploration etc			There are no proposals for exploration for the year 2020-21. The mining operations have been commenced on 08.02.2021.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N-1671539 to 1671712, E-691405 to 691651 Section S5 to S9	N-1671539 to 1671712, E-691405 to 691651 Section S5 to S9	--
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches of overburden and mineral proposed.	Separate benches of overburden and mineral maintained.	--
2c	Stripping ratio or ore to OB ratio	1: 4.45	1: 1.80	Ore: 69800t Waste: 1,25,685 t

2d	Quantity of topsoil generation in m3	No proposal	Nil	No top soil generation
2e	Quantity of overburden generation in m3	289953cu.m	62842.5cu.m	ML executed on 10.08.2020. Violation issued.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The lease has been executed on 10.08.2020 and The mining operations have been commenced on 08.02.2021. The violation has been issued for less production and development.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	--
3b	Quantity of ROM mineral production proposed	2,00,005 tonnes	69,800 tonnes	The mining operations commenced on 08.02.2021. Violation issued.
3c	Recovery of sailable/usable mineral from ROM production	100%	85%	--
3d	Quantity of mineral reject generation	No proposal	10000 tonnes	As reported in AR 2020-21
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	30-35% Fe	--
3f	Quantity of sub grade mineral generation.	No proposal	Nil	No subgrade generation.
3g	Grade of sub grade mineral generation	No proposal	Nil	--
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method proposed for segregating from ROM.	Mechanized method adopted for segregating from ROM.	Dry Crushing (150 TPH) & Screening (250TPH).

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	Drilling & blasting proposed in mineral benches	YES	--
3k	Provision of mining machineries in mineral benches	Excavators- 4 Tippers- 13 Drill-1 Wheel Loaders -1 Water tanker-1	Excavators- 4 Tippers- 8 Drill-1 Wheel Loaders-2 Water tanker-1	--
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height- 7.5m Bench Width- 10m	Bench Height- 7.5m Bench Width-7.5m to 8m	--
3m	Total area covered under excavation/pits	16.80 Ha (At the end of the plan period)	16.66 Ha	--
3n	Ore to OB ratio for the pit/mine during the year.	1: 4.45	1: 1.80	Violation issued for less development.
3o	Total area put in use under different heads at the end of year	Mine Working- 16.80 Ha Dumping -9.07 ha Roads -0.87ha Infrastructure -0.50 Others purpose- 17.18 Ha	Mine Working- 16.66 Ha Dumping - 5.70 Ha Other purpose-21.19ha Infrastructure-0.87ha	--
3p	Production of ROM mineral during the last five year period as applicable	2020-21: 200005t	2020-21:69800t	The mining operations commenced on 08.02.2021.

3q	General remarks of inspecting officers on method of mining etc.	There is no change in method of mining. The violation has been issued for less production and development.
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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)	Separate Dumping of Overburden is proposed.	Separate Dumping of Overburden is maintained.	--
4b	Location of topsoil, OB and mineral reject dumps	OB dump(PD-1) proposed in Southern side of the mining lease. N1671445 to 1671514 E691805 to 691865	OB dump in Southern side of the mining lease maintained. N1671445 to 1671514 E691805 to 691865	--
4c	Number of dumps within lease area and outside of lease area	Within Lease Area- 7 inactive dumps 1 active dump Outside lease- NIL	Within Lease Area- 7 inactive dumps 1 active dump 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.	1	1	--
4f	Number of dead dumps.	7	7	--
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- 318m Retaining wall- 666m	Not constructed.	Violation issued.

4j	Number of settling ponds	No proposal within the lease area.	NIL	--
4k	Specific comments of inspecting officer on waste dump management			The proposed construction of Retaining Wall and Garland Drain has not been constructed during the year 2020-21. The violation has been issued.

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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.	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 2020-21.

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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 under rule 26(2) of MCDR, 2017 before 1st July of every year.	Not submitted.	The violation issued.

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6b	Area available for rehabilitation (ha) .	2.55ha (0.50ha+2.05ha )	NIL	--
6c	afforestation done (ha).	1750nos.saplings proposed in safety zone and 7175 saplings in ID-4 within the lease.	NIL	The violation issued.
6d	No. of saplings planted during the year	8925nos.of Saplings.	NIL	--
6e	Cumulative no .of plants	8925nos.of Saplings.	NIL	--
6f	Any other method of rehabilitation	No proposal	NIL	--
6g	Cost incurred on watch and care during the year	Rs 87,500/-	Not specified.	--
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x 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.			The proposed afforestation has not been carried out. The violation has been issued.

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#### 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	Mechanical method adopted for grade wise sorting.	Dry Crushing (150 TPH) & Screening (250TPH).

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7c	Different grade of mineral sorted out at mines.	Lumps: +5mm to -20mm Fe-50% & Fines: -5mm Fe- 50%	Lumps: +5mm to -20mm Fe- 6% & Fines: - 50%	Grade wide sorting done as per buyers' requirement
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 Generation of top soil
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	NIL	--
8g	Survival rate	No proposal	NIL	--
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.	One water tanker of 8000 liters capacity.
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 February, 2022. A.R for the year 2020-21 submitted on 13.08.2021.		The mining operations commenced on 08.02.2021.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mr. Gururaj A Mines Manager Suresh Khot Geologist KiranKumar P Mining Engineer	Appears to be correct.	--
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mine Working- 16.66 Ha Dumping - 5.70 Ha Other purpose- 21.19ha Infrastructure -0.87ha	Appears to be correct	--
9d	Scrutiny of Annual return on afforestation	NIL	Appears to be correct	--

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	10,000tonnes 30-35%Fe	Appears to be correct	--
9f	Scrutiny of Annual return on ROM stock and/or graded ore	O/S -Nil Production of Iron ore - 69800t C/S -47500 t	Appears to be correct	--
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production-Rs 554/tonne. Av.Ex- pricemine- Rs 880/tonne	In case of Captive mines, the Ex-mine price per tonne is the per unit cost of production.	Violation issued.
9h	Scrutiny of Annual return on fixed assets	Fixed Assets- Rs 0/-	The value of Fixed Assets has not been reported correctly.	Violation issued.
9k	Scrutiny of Annual return on mining machineries	Excavators- 4 Tippers- 8 Drill-1 Wheel Loaders- 2 Water tanker-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 couse position			
Rule NO.		Issued on	Compliance on	Rule NO.		Issued on	Compliance on
MCDR17	Rule 11(1)	07/04/2022	03/06/2022	MCDR17	Rule 45(7)	07/04/2022	03/06/2022
MCDR17	Rule 45(7)(a)	07/04/2022	03/06/2022				

**Date :**

**(K.SRINIVAS)**

Indian Bureau of Mines