

Mining Plan Modification REPORT

Bangalore regional office

Mine file No : KNT/BLR/Fe-495/BNG

Mine code : 30KAR03186

- (i) Name of the Inspecting : **OM5**) **Dr.OMKESHA MURTHY.M.G**
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : Mr.Nandan Bhandary- GM(Mines), Mr. Manjunatha G.- Min
Official with
Designation
- (iv) Date of Inspection : 06/04/2023
- (v) Prev.inspection date : 15/02/2022

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **UBBALAGUNDI IRON ORE MINE**
- (b) **Registration NO.** : **IBM/432/2011**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **BELLARY**
- Village : **UBBLAGUNDI**
- Taluka : **SANDUR**
- Post office : **TARANAGAR**
- Pin Code : **583119**
- FAX No. : **08395250132**
- E-mail : **sunil.singh@jsw.in**
- Phone : **08395250120, 022 42861000**
- (f) **Police Station** : **SANDUR**
- (g) **First opening date** : **21/11/2019**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **UBBALAGUNDI VILLAGE, POST TARANAGAR**
SANDUR TALUK
BALLARY DISTRICT
3. (a) **Lease Number** : **ML NO. 008**
- (b) **Lease area** : **32.89 Ha**
- (c) **Period of lease** : **50 Years**
- (d) **Date of Expiry** : **10 Nov 2069**
4. **Mineral worked** : **IRON ORE** **Main**

I/15971/2023

5. Name and Address of the

Lessee : JSW STEEL LIMITED
JSW Mining office, Near
Talur Cross Vidyanagar
Post, Toranagallu Sandur,
Bellary BELLARY KARNATAKA
Phone:9448286155
FAX :

Owner : Jayant Acharya ,Dy. Managing Director
JSW Mining Office, Near
Talur Cross Vidyanagar
(Post), Toranagallu, Sandur
Taluk,Bellary-Dist BELLARY
KARNATAKA
Phone:
FAX :

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

Mining Engineer

Name : SABARISH VS,Full Time
Qualification : B TECH MINING
Appointment/ : 27/03/2023
Termination date

Geologist

Name : VENGALARAJU NAGARAJU,Full Time
Qualification : M.SC GEOLOGY
Appointment/ : 27/03/2023
Termination date

Manager

Name : MANJUNATH.G
Qualification :
Appointment/ : 12/12/2022
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Fresh under rule 22 MCR1960 29/04/2019

I/15971/2023

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NA	Exploration was planned to be carried out in the last quarter of FY 2020-21, due to expiry of FC, the mine was temporarily discontinued operation from 28.09.2020.
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specified in Mining Plan	NIL	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	G1 - 1.20 Ha G2- 1.80 Ha G3- 9.80 Ha G4- 5.67 Ha Unexplored Area- 14.42 Ha
1e	Balance reserve as on 01/04/20		5.173MMT (as on 01.04.2023)	Balance Reserves shown as submitted in the Annual Return
1f	General remarks of inspecting officers on geology, exploration etc			Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E/W: 676782 to 677073 N/S: 1665237 to 1665715.	Nil	Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Benches in Overburden & Mineral: 9	Nil	Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.

I/15971/2023

2c	Stripping ratio or ore to OB ratio	1: 2.01 (inTonnes)	NIL	Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.
2d	Quantity of topsoil generation in m3	NIL	NIL	No Topsoil Generation
2e	Quantity of overburden generation in m3	342867 m3	NIL	Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Due to expiry of FC, the mine was temporarily discontinued operation from 28.09.2020.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	-
3b	Quantity of ROM mineral production proposed	340,000 Metric Tonnes	Nil	Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.
3c	Recovery of sailable/usable mineral from ROM production	95%	NA	-
3d	Quantity of mineral reject generation	NIL	NA	-
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	-
3f	Quantity of sub grade mineral generation.	NIL	NA	-
3g	Grade of sub grade mineral generation	NA	NA	-

I/15971/2023

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized Method for ROM Segregation	NA	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal	NA	-
3j	Provision of drilling and blasting in mineral benches	Drilling and Blasting is proposed for mineral benches.	NIL	-
3k	Provision of mining machineries in mineral benches	Proposed Mining Machineries: Excavators-3 Tippers-10 Drill-1 Wheel loader-2	NIL	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height- 8m Bench Width- 8m	NIL	-
3m	Total area covered under excavation/pits	15.88 Ha (for plan period, as per the Approved Mining Plan)	14.90 Ha (As on 01.04.2023)	-
3n	Ore to OB ratio for the pit/mine during the year.	1: 2.01 (inTonnes)	Nil	Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.

I/15971/2023

3o	Total area put in use under different heads at the end of year	Mining- 15.88 Ha Roads - 0.50 Ha Infrastructure - 0.50 Ha Waste Dumps- 10.49 Ha Mineral Storage- 1.30 Ha Others - 4.22Ha Total - 32.89 Ha (Area considered for Financial Assurance for Plan Period, as per the Approved Mining Plan)	Mining- 14.90 Ha Roads - 0.74 Ha Infrastructure - 0.16 Ha Waste Dumps-5.40 Ha Mineral Storage- 1.30 Ha Others -10.39Ha Total - 32.89 Ha (as on 01.04.2022)	Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 340,000 2020- 21:340,000 2021-22: 340,000 2022-23: 340,000 (inMetric Tonnes)	2019-20: 339,576 2020-21:301,281 2021-22: 0 2022-23: 0 (in Metric Tonnes)	Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.
3q	General remarks of inspecting officers on method of mining etc.			Due to expiry of FC, the mine was temporarily discontinued operation from 28.09.2020.

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.	Nil	Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.
4b	Location of topsoil, OB and mineral reject dumps	OB Dump location: E/W: 677050 to 677154 N/S: 1665616 to 1665744.	Nil	Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.

I/15971/2023

4c	Number of dumps within lease area and outside of lease area	Within Lease Area-2 i.e. 1 Inactive Dump & 1 Active Dump Outside Lease Area- No Proposal	Nil	Inactive dump was dumped by Erstwhile lessee.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Some parts of Dump: ID-1 & PD lie inside the UPL.	Some parts of Dump: ID-1 & PD lie inside the UPL.	-
4e	Number of active and alive dumps.	Active Dump -1	Active Dump -1	
4f	Number of dead dumps.	1 Inactive Dump	1 Inactive Dump	
4g	Number of dumps established.	NIL	-	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dumps	Retaining Wall: TW-1: 480m TW-2: 405m TW-3: 740m Garland Drain: GD-1: 350m GD-2: 747m GD-3: 589m	Retaining Wall: TW-1: 484m TW-2: 367.5m TW-3: 700m Garland Drain: GD-1: 484m GD-2: 153m GD-3: 0m	
4j	Number of settling ponds	LBCD- 3 nos. GCD- 2 nos. SMCD-1 no. SST-1 No.	LBCD- 3 nos. GCD- 2 nos. SMCD-1 no. SST-1 No.	
4k	Specific comments of inspecting officer on waste dump management			Due to expiry of FC, the mine was temporarily discontinued operation from 28.09.2020.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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I/15971/2023

5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NA	NIL	No area is completely mined out during this plan period.
5b	Area under backfilling of mined out area	NA	NIL	No area is completely mined out during this plan period.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NA	No Topsoil Generation
5d	Total area fully reclaimed and rehabilitated	NIL	NA	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Due to expiry of FC, the mine was temporarily discontinued operation from 28.09.2020.

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).	Submission of Annual report on PMCP under rule 23E(2)	-	Annual Report on PMCP will be submitted before 30.06.2023
6b	Area available for rehabilitation (ha) .	NIL	NA	-
6c	afforestation done (ha).	Proposed Plantation Area- 0.41 Ha	NIL	-
6d	No. of saplings planted during the year	Gap Filling and Green Belt Plantation: 800	NIL	
6e	Cumulative no .of plants	Not specified	10750 Nos.	Inside the Mine Lease

I/15971/2023

6f	Any other method of rehabilitation	Implementation of Bio-engineering measures for Surface Water and Dump Management as per Approved R&R Plan.	NIL	-
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		NIL	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings		NIL	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area		NIL	NA
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		NIL	NA

I/15971/2023

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NA	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Regular Environmental Monitoring of Core and Buffer zone is proposed.	Environmental Monitoring of Core and Buffer zone is being carried out on regular basis.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Due to expiry of FC, the mine was temporarily discontinued operation from 28.09.2020.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	YES	NIL	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical Sorting	NIL	-
7c	Different grade of mineral sorted out at mines.	YES	NIL	-
7d	Any beneficiation process at mines	No Proposal	NIL	-

I/15971/2023

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Due to expiry of FC, the mine was temporarily discontinued operation from 28.09.2020.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Topsoil Generation.	No Topsoil generated during operations.	Majority area is broken.
8b	Concurrent use or storage of topsoil	NA	NA	No Topsoil generated
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for overburden is proposed.	Nil	Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Gapfilling& greenbelt development No. of plantation: 1435	Plantation inside the mine lease area has been carried out to increase the green cover in & around the mine Achieved Plantation- Within Mine Lease area: 10600	
8g	Survival rate	80%	97%	-

I/15971/2023

8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads is proposed to control airborne dust	Nil	Due to expiry of FC, the mine has been closed temporarily from 28.09.2020.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Due to expiry of FC, the mine was temporarily discontinued operation from 28.09.2020.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	A.R. Submitted up to: Year 2022-23, submitted on 30.06.2023		-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- VS Sabarish Geologist- Vengalaraju Nagaraju Manager- Manjunatha G.	Appointed	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining- 14.90 Ha Roads - 0.74 Ha Infrastructure - 0.16 Ha Waste Dumps- 5.40 Ha Mineral Storage- 1.30 Ha Others - 10.39 Ha Total - 32.89 Ha	Appears to be correct	-
9d	Scrutiny of Annual return on afforestation	Achieved Within Mine Lease: 6875		-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA		-

I/15971/2023

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening & Closing Stock- ROM- 244219.4T, Lumps- 5103.01 T, Fines- 2660T Production: 0 T	Appears to be correct	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Lumps Fines		-
9h	Scrutiny of Annual return on fixed assets	?214330420	Appears to be correct	-
9k	Scrutiny of Annual return on mining machineries	NA		-

I/15971/2023

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.OMKESHA MURTHY.M.G)**

Indian Bureau of Mines