

MCDR-MIFLOFE/20/2023-BNG-IBM\_RO\_BNG  
INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION

I/27553/2024

**MCDR inspection REPORT**  
**Bangalore regional office**

**Mine file No :** KNT/BLR/FE/376/BNG

**Mine code :** 30KAR03103

- (i) Name of the Inspecting : **S21** ) **H M Shivakumar**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri.H.J.Basavarajappa , Mines Manager  
Official with  
Designation
- (iv) Date of Inspection : 09/11/2023
- (v) Prev.inspection date : 19/01/2023

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **THIMMAPPANAGUDI**
- (b) **Registration NO.** : **IBM/4369/2011**
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BELLARY
- Village : KRISHNA NAGAR
- Taluka : SANDUR
- Post office : VIDYA NAGAR
- Pin Code :
- FAX No. : 080-25583172 (F),ningappaag
- E-mail : info.mml@nic.in,hdrajuchna
- Phone : 080-25580373, 9845300022 (I
- (f) **Police Station** : Sandur
- (g) **First opening date** : 27/12/1985
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : Karnataka State Minerals Corp. Ltd  
TTMC BUILDING A BLOCK 5th FLOOR  
BMTc SHANTINAGAR BANGALORE - 560027.
3. (a) **Lease Number** : KAR0200
- (b) **Lease area** : 136.94
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 26/12/2035
4. **Mineral worked** : IRON ORE Main

I/27553/2024

## 5. Name and Address of the

Lessee : Karnataka State Minerals Corp. Ltd  
 TTMC, A Block, 5th Floor,  
 BMTC Building, K.H.Road,  
 Shanthinagar Bengaluru  
 BANGALORE KARNATAKA  
 Phone:080-22278813-14-15-16  
 FAX :080-22213172

Owner : JayavibhavaSwamy, I.A.S, Managing Director  
 Karnataka State Minerals  
 Corporatio BMTC  
 Shanthinagar, TTMC Building  
 A" Block, 5th Floor,  
 Shanthinagar BANGALORE  
 KARNATAKA  
 Phone: 080-22278813/14  
 FAX : 08022213172

Agent : MALLIKARJUN SARAPUR  
 BMTC Shanthinagar, TTMC  
 Building, "A" Block, 5th  
 Floor, Shanthinagar,  
 Bengaluru, Karnataka  
 BANGLORE URBAN KARNATAKA  
 Phone: 8763673728  
 FAX : 08022213172

## Mining Engineer

Name : H.J.BASAVARAJAPPA., Full Time  
 Qualification :  
 Appointment/ : 17/03/2022  
 Termination date

## Geologist

Name : YOGANANDA KS, Full Time  
 Qualification : M.Sc GEOLOGY  
 Appointment/ : 17/03/2022  
 Termination date

## Manager

Name : H.J.BASAVARAJAPPA  
 Qualification :  
 Appointment/ : 12/06/2020  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	29/02/2000
		Modif.of approved Mining Plan	27/12/2001
		Mining Scheme rule 12 MCDR1988	05/02/2004
		Modif.approved Mining Scheme	12/09/2005
		Mining Scheme rule 12 MCDR1988	23/03/2006
		Modif.approved Mining Scheme	02/12/2008
		Mining Scheme rule 12 MCDR1988	10/08/2012
		Modif.approved Mining Scheme	06/01/2015
		Mining Scheme rule 12 MCDR1988	28/03/2016
		Modif.approved Mining Scheme	16/05/2019
		MP modif under 17(3) MCR 2016	22/01/2021
		MP review under 17(1) MCR 2016	01/02/2021

I/27553/2024

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	-	4Nos. Reverse Circulation BoreHoles	From 14.12.2020 to 31.03.2021 lessee has drilled 27 No's of Core Bore Holes. Further from 01.04.2021 to 13.04.2021, drilled 9 No's of Core Bore Holes. Then 4 No's of Reverse Circulation bore holes drilled in the year 2022-23 upto the end of ore body. As pointed out in the violation letter dt09.02.23, Form-I submitted on 7.3.23 for drilling Exploratory Boreholes vide BH No. KTB-50, KTB-51, KTB-47 & KTB-35. vertically beyond the mineralized zone. The exploration RC Drilling work has been completed
1b	Exploration over lease area for geological axis 1 or 2	G1-43.93Ha	G1-43.93Ha., G2-2.00 Ha., G3 - Nil	Mineralized area 43.93Ha, non-mineralized area- 91.01Ha. as per approved document, Mining Area- 136.94Ha.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal	Reverse Circulation Drilled boreholes total 4 No's with Meterage of 103Mtrs completed Rs.7200perMeter	Exploration completed on 10.03.2023&cost incurred Rs.7.41 Lakhs as reported in the AR-22-23.
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	-	Mineralized area 43.93Ha, non-mineralized area- 91.01Ha. as per approved document, Mining FC Area- 136.94Ha.

I/27553/2024

1e	Balance reserve as on 01/04/20	-	3005809 Tonnes	As per AR-2022-23.
1f	General remarks of inspecting officers on geology, exploration etc			The Iron deposit occurs as pocket type deposit with Banded Ferruginous Quartzite's Phyllite. The ore body is exposed over a length of 1850m and width of 80m towards NW to SE. Dip varies b/w 60 to 750 NE. The ore occurs both in powdery & lumpy form with grade ranging from 45%Fe to 65% Fe. Out of 136.94 FC area of Mining Lease, 43.93 is explored in G1 level, 2 Ha in G2 Level and 91.01 Ha is unexplored mineralized as per the Approved MP.

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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development was proposed in grids N - 1673725to 1674340 E -663738 to 665155 The benches were proposed to be formed between 956&872 above MSL	Development was Achieved in grids N - 1673732 to 1674330 E - 663745 to 665148 The benches were Achieved 960& 878 above MSL.	Working carried out within the proposed grid intervals.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches for overburden & mineral proposed	Separate benches of overburden & Mineral are Maintained as per proposal.	There are no top soil benches, Over burden benches are of 3Nos. and Mineral benches are 9nos.

I/27553/2024

2c	Stripping ratio or ore to OB ratio	1:2.57(in Tonnes)	1:2.15 (in Tonnes)	(Bulk Density considered for ore is 2.88 & waste 2.5 tons/Cum). Violation issued for not achieving the proposed stripping ratio.
2d	Quantity of topsoil generation in m3	No proposal	NIL	No top soil was generated in reporting year
2e	Quantity of overburden generation in m3	6,75,499 in m3 (16,88,747 in Tonnes)	4,93,953in m3 (12,34,882 in Tonnes)	Violation issued for not achieving the proposed quantity of Development/ Waste generation.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The entire mine is developed as one single pit opening along the entire strike length of 1500m X 260m Width X 82m depth with bench height of 8m and width of 10m. The bench advances are along and across the strike of the deposit. However, during inspection it was observed that bench height and width are not maintained as proposed at section 17-17' for which violations are issued.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit proposed	Working is carried out in only one pit	Approximate dimension of the pit in meters L-1500m, W-260m, D-82m
3b	Quantity of mineral production proposed	6,50,000 MTs	5,73,000MTs	Violation issued for not achieving the proposed production.

I/27553/2024

3c	Recovery of sailable/usable mineral from ROM production	Recovery 100%	Recovery 100%	-
3d	Quantity of mineral reject generation	No Proposal	NIL	-
3e	Grade of mineral rejects generation and threshold value declared.	+35% Fe for Hematite Siliceous	NIL	-
3f	Quantity of sub grade mineral generation.	No proposal	Not Applicable	-
3g	Grade of sub grade mineral generation	No proposal	Not Applicable	-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method proposed for segregating from ROM	Mechanized method adopted for segregating from ROM	Crushing & Screening was done for segregation.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not Applicable	-
3j	Provision of drilling and blasting in mineral benches	Deep hole Drilling & Blasting is proposed for removal of hard strata in overburden & mineral benches.	Drilling & Blasting carried out in hard strata. Direct excavation is carried in fines ore and clay benches.	90% of the total material handled by blasting.

I/27553/2024

3k	Provision of mining machineries in mineral benches	Mining Machineries proposed: 1)Excavator-10Nos., 2)Wheel loader - 7Nos., 3)Dumper/Tipper-33Nos., 4)water Tankers-10Nos., 5)Crushingunit -1No. 6)Screening unit- 2Nos., 7)Drilling Machine- 3Nos.	Mining Machineries 1)Excavator- 6Nos., 2)Wheel loader -3Nos 3)Dumpers/Tippers - 19Nos., 4)water Tankers -6Nos., 5)Crushing unit -1No. 6)Drilling Machine-2Nos.	The reported machineries were found deployed on the day of inspection.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height 8Mtrs& Width 10Mtrs proposed	Bench height and width is maintained as per the proposal.	Suitable. However, during inspection it was observed that bench height and width are not maintained at section 17-17' as proposed for which violations are issued.
3m	Total area covered under excavation/pits	Mining - 46.25 Ha. Waste dump - 19.54Ha.	Mining - 46.25 Ha. Waste dump - 19.54Ha.	As per the AR-2022-23.
3n	Ore to OB ratio for the pit/mine during the year.	1:2.57	1:2.15	Violation issued for not achieving the proposed stripping ratio.

I/27553/2024

3o	Total area put in use under different heads at the end of year	1) Opencast working - 44.31Ha., 2) R&R -17.75Ha, 3)Active Dump3- 3.00Ha. 4)OB Dumps- 18.00Ha. 5)Mineral Storage - 3.00Ha. 6) Re-handling Dump D1-3.40 Ha. 7) Infrastructure &Roads-3.70Ha. " 8) Others - (RW,GD,ST etc.,)7.41Ha. 9) Untouched area- 36.37Ha.	1)Opencast working- 46.25Ha 2)R&R - 17.75Ha. 3)Road - 3.00Ha. 4)Infrastructure - 0.70Ha. 5)Waste Disposal - 19.54Ha. 6)Others - 7.79Ha. 7)Untouched Area - 36.37Ha.	As per the AR-2022-23.													
3p	Production of ROM mineral during the last five year period as applicable	<table border="0"> <tr> <td>( in tonnes)</td> <td>( in tonnes)</td> </tr> <tr> <td>2017-18 650000</td> <td>2017-18 492845</td> </tr> <tr> <td>2018-19 650000</td> <td>2018-19 101778</td> </tr> <tr> <td>2019-20 650000</td> <td>2019-20 421483</td> </tr> <tr> <td>2020-21 650000</td> <td>2020-21 650000</td> </tr> <tr> <td>2021-22 650000</td> <td>2021-22 636050</td> </tr> <tr> <td>2022-23 650000</td> <td>2022-23 573000</td> </tr> </table>	( in tonnes)	( in tonnes)	2017-18 650000	2017-18 492845	2018-19 650000	2018-19 101778	2019-20 650000	2019-20 421483	2020-21 650000	2020-21 650000	2021-22 650000	2021-22 636050	2022-23 650000	2022-23 573000	As per the Annual Returns submitted
( in tonnes)	( in tonnes)																
2017-18 650000	2017-18 492845																
2018-19 650000	2018-19 101778																
2019-20 650000	2019-20 421483																
2020-21 650000	2020-21 650000																
2021-22 650000	2021-22 636050																
2022-23 650000	2022-23 573000																
3q	General remarks of inspecting officers on method of mining etc.	The method of Mining is by opencast mechanized method with combination of heavy earth moving machineries like excavators, Wheel Loaders with dumpers/Trucks. Also deep hole drilling & blasting is adopted both in hard Waste and Mineral Strata.															

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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I/27553/2024

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Generated OB is proposed to be backfilled.	OB & mineral reject has backfilled in proposed (Dump-D4)	No top soil generated and overburden dumped in back filled area (Dump - D4)
4b	Location of topsoil, OB and mineral reject dumps	Back filling area (Dump-D4) N - 1674420 to 1674662 E - 663388 to 664180  Active Dump (D3) N - 1674190 to 1674360 E - 665115 to 665220	Back filling area (Dump-D4) N - 1674435 to 1674658 E - 663396 to 664172 Active Dump (D3) - Nil	The entire overburden was dumped in proposed back filled area (Dump D4)
4c	Number of dumps within lease area and outside of lease area	4 dumps within lease area No dumps are proposed outside lease area	4 dumps within lease area No dumps outside lease area	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps are proposed outside the UPL	Dumping was done outside the UPL	In the reporting year only, backfilling is carried out.
4e	Number of active and alive dumps.	2 Dumps are active (D3& D4)	2 Dumps are active (D3& D4)	-
4f	Number of dead dumps.	2 Dumps are inactive (D1& D2)	2 Dumps are inactive (D1& D2)	-
4g	Number of dumps established.	2 Dumps (D1& D2)	2 Dumps (D1& D2)	Stabilized with plantation and partially coir matting
4h	Whether Retaining wall or garland drain all along dumps are there.	RW= 300.00 Mtrs. GD= 300.00 Mtrs.	RW- 300.00 Mtrs. GD -200 Mtrs Remaining 100 Mtrs yet to be construct	Violation issued for not constructing the proposed full length of garland drain.

I/27553/2024

4i	Length of Retaining wall or garland drain all along dumps	Proposed Retention wall 300.00 Mtrs. & Garland Drain 300.00 Mtrs. at Dump-D4	Achieved Retention wall of 300.00 Mtrs. & Garland Drain -200 Mtrs Constructed Remaining 100 Mtrs yet to be construct	Retention wall total length 678Mtrs & Garland drain 500Mts.
4j	Number of settling ponds	No proposal	Nil	One settling tank is constructed as per R&R ICFRE.
4k	Specific comments of inspecting officer on waste dump management			Waste dump is satisfactorily managed by stabilizing them with plantation and coir matting along with the engineering structures like retaining wall and garland drains at the toe. However, lacking a small quantity of garland drain construction for which violation is 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.	Part backfilling proposed	Before starting of backfilling, the area was fully extracted of available mineral in 17.75Ha. area is already back filled in dump D2.	Backfilling as per the IBM approval.
5b	Area under backfilling of mined out area	0.77 Ha.	0.67 Ha.	Mineral stacks available in the proposed backfilling area and therefore lacking. Violation issued.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	No top soil was generated.	Mining operations were proposed to work within the broken-up area. Hence no top soil was generated.

I/27553/2024

5d	Total area fully reclaimed and rehabilitated	17.75Ha.	-	Under progress.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling is carried out within the locations as per proposals. However, not fully achieved due to availability of Mineral Stacks for which violation is issued.

## 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	Submitted (28.06.2023)	-
6b	Area available for rehabilitation (ha) .	No Proposal	NIL	-
6c	afforestation done (ha).	0.50 Ha	2.20 Ha	-
6d	No. of saplings planted during the year	312Nos.	1,500 saplings plantedinside the lease 500 saplings planted Outside the lease	Appears to be correct.
6e	Cumulative no .of plants	No Proposal	45050Nos.	(Inside and outside the lease area)
6f	Any other method of rehabilitation	No Proposal	-	-
6g	Cost incurred on watch and care during the year	Rs.1,00,000	Rs.1,30,100	Appears to be correct.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	792x242x10	590X230X10	Violation issued for not fully achieving the proposals.

I/27553/2024

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	12,70,998 MTs	12,34,882 MTs	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	1.50Ha.	-
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	-

I/27553/2024

6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring proposed in the core zone & buffer zone	Environmental monitoring carried out in the core zone & buffer zone. Location Core zone: Air- 03 Noise - 03 Fugitive -02 Location Buffer zone: Air-3, Noise-3 Ground water-6 Surface water-2	Regular Environment Monitoring carried out by MSV Analytical Laboratories, Ballari -583103
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			All the proposed PMCP activities are carried out satisfactorily except for not achieving the proposed full length of garland drain construction and a small extent of backfilling for which violations are issued for the same.

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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 proposed within lease area	Grade wise sorting done within lease area	-10mm of Fines, 10-40mm of Lumps with a grade of +52%Fe
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical Sorting and sizing proposed	Mechanical Sorting and sizing done within the ML area	Crushing & Screening adopted
7c	Different grade of mineral sorted out at mines.	Different grade of mineral sorted (Fe): 45%-50%, 50%-55% , 55% -60% , 60% -65% +65% +45% & - 65%	Different grade of mineral sorted (Fe) at the mine: 45% -51%, 51%-55%, 55%-60%, +65%	-

I/27553/2024

7d	Any beneficiation process at mines	No Proposal	Not Applicable	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Low grade ore is suitably blended with higher grade ores to achieve the marketable grade thereby taking care of mineral conservation aspects.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	No top soil was generated for its usage.	Working in the broken area.
8b	Concurrent use or storage of topsoil	No proposal	No top soil was generated	Proposed to work within the broken-up area for plan period.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate waste dump proposed for OB & backfilling, Stacking of fines & lumps separately	Over burden/waste dumped in the D4(proposed backfilling area)	2 dump yards identified/proposed for dumping of waste material namely D3&D4(backfilling)
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB/Waste generated is proposed for back filling inore exhausted pit.	OB/Waste generated is used for back filling in ore exhausted pit.	Back filling is under progress.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals in this plan period	NIL	-

I/27553/2024

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	-	45,050Nos. sapling arereportedly planted so far and appears to be correct.
8g	Survival rate	-	-	80%
8h	Water sprinkling on roads to control airborne dust	Sprinkling on haul roads proposed to control the air borne dust	Sprinkling on haul roads is carried out regularly to control the dust generated during various mining activities.	6 Tankers with a capacity of 10,000 Kiloliters were utilized for sprinkling of water for dust suppression, plantation & drinking purpose.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around the mine is satisfactorily maintained by way of plantation.

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#### 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 October-2023(08.11.2023) Annual Returns is submitted for the year 2022-23 on 28/06/2023.	Annual Report submitted on 28.06.2023	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager:Sri.H. J.Basavarajapp a Geologist:Sri. Dr.Yogananda K.S. MiningEngineer :Sri.H.J.Basav arajappa	The reported statutory officials were present on the day of inspection.	

I/27553/2024

- 9c Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. Area Covered under current (O/C) Opencast working=46.25Ha a., R&R= 17.75Ha, Waste Disposal (DumpD3,D1&D4) =19.54Ha. Infrastructure &Roads= 3.70Ha. Others(Mineral Storage, untouched area ,RW,GD&ST etc.,)=44.15Ha . Verified to be correct.
- 9d Scrutiny of Annual return on afforestation Within ML- 1500Nos.& Outside ML- 500Nos. Plants are planted. Appears to be correct.
- 9e Scrutiny of Annual return on mineral reject generation (Grade and quantity) NIL



I/27553/2024

9f Scrutiny of ROM:  
Annual return on Opening stock  
ROM stock and/or = 72970Tons.  
graded ore Production=  
573000Tons.  
Total = 645970  
Tons  
Processed (L &  
F) =  
573000 Tons  
Closing Stock  
=  
72970 Tons  
Dump working :  
Opening stock-  
1465547Tons.  
Production  
- Nil  
Closing Stock-  
1465547Tons.  
Lumps  
processed  
51% to 55% Fe  
93000  
55% to 58% Fe  
22000  
58% to 60% Fe  
10000  
60% to 62% Fe  
0  
62% to 65% 0  
Total 125000  
Fines  
processed  
51% to 55% Fe  
274000  
55% to 58% Fe  
144000  
58% to 60% Fe  
30000  
60% to 62% Fe  
0  
62% to 65% Fe  
0  
Total 448000

I/27553/2024

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production- Rs.905.79 per Ton  Lumps: Ex-mine Price- Rs. 1507/Ton 45-51% Fe Rs. 2234/Ton 51-55% Fe Rs.2906/Ton 55-58% Fe Rs.3295/Ton 58-60% Fe Rs.4799/Ton 60-62% Fe  Fines Rs. 2020/Ton 51-55% Fe Rs.2596/Ton 55-58% Fe Rs.3867/Ton 58-60% Fe Rs.3314/Ton 60-62% Fe Rs.3466/Ton 62-65% Fe	
9h	Scrutiny of Annual return on fixed assets	10.22Crores	Appears to be in order
9k	Scrutiny of Annual return on mining machineries	1)Excavator-06Nos., 2)Wheel Loader-3Nos., 3)Dumper/Tipper- 19Nos., 4)Water Tanker-6Nos., 5)Screening-1No., 6)Drilling Machine-2Nos.	The Reported machineries were found deployed on the day of inspection.

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I/27553/2024

**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed				Show cause position		
Rule NO.	Issued on	Compliance on		Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	21/11/2023	12/01/2024			

**Date :****(H M Shivakumar)**

Indian Bureau of Mines