INDIAN BUREAU OF MINES
MINERALS DEVELOPMEMT AND REGULATION DIVISION
MCDR INSPECTION REPORT
BHUBANESWAR REGIONAL OFFICE

General:

SL. No.	Particulars	Details
1	Name of the Mine	Narayanposhi Iron and Manganese Mines
2	Date of inspection	**26/10/2024**
3	Name of inspecting officer	Prashant S Hegde, RMG
4	Name accompanying mine officials	S/Shri Padmaraja Tumati, General Manager (Planning) & QP, Pradeept Mohapatra, QP, Tapan Kumar Rath, Mines Manger cum Mining Engineer, Shubhendu Shekhar, Geologist and other mine officials.
5	Last date of Inspection & Officer	23/08/2023 Prashant S Hegde, RMG
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	347.008 Ha. (257.451 Ha Forest + 89.557 Ha Non- forest)
7	Minecode	30ORI13068
8	IBM Registration Number under rule 45 of MCDR, 2017	IBM/432/2011
9	Name of the lessee, Address, phone, email and fax number	Name of the Lessee: M/s JSW Steel Limited Address: JSW Centre Bandra Kurla Complex, Bandra (East) District- Mumbai Suburban State- Maharashtra` Phone No: +91-9829529612 Email: gajraj.rathore@jsw.in Fax No: 02242863000
10	Village	Harischandrapur, Koira, Kashira, Kusumdihi, Kathamal R.F .etc.
11	Taluka/Mandal	Koira
12	District	Sundargarh
13	Pincode	770048
14	State	Odisha
15	Post office	Koira
16	Nearest police station	Koira
17	Nearest Railway station	Barsuan- 30 Km
18	Date of Grant of Mining Lease	27.06.2020 for 50 years
19	Date of Execution	27.06.2020
20	Date of opening of Mine	01.07.2020
21	Date of expiry	26.06.2070
22	Name of the **Nominated Owner** with Address, phone, email, fax number and date of appointment	Mr. Gajraj Singh Rathore M/s JSW Steel Ltd JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai-400051 Phone-02242861000 Email: gajraj.rathore@jsw.in Fax: 02242863000 DOA-19.05.2023

23	Name of the **Mine Agent** with Address, phone, email, fax number and date of appointment	Mr. Ram Shanker Sharma M/s JSW Steel Ltd Plot No – 15, Bhusgaon, At- Bhadrsahi, PS- Barbil District- Keonjhar-758035 Phone-+91-9829529612 Email: ram.sharma@jsw.in Fax: 02242861000 DOA-03.01.2024
24	Name of the **Mines Manager** with Address, mobile no, email, fax number and date of appointment in mine	Mr. Tapan Kumar Rath Qualification- B. Tech Mining Engineering with 1st Class Mines Managers Certificate along with MBA Marketing. M/s JSW steel Limited Plot No – 15, Bhusgaon, At- Bhadrasahi, PS- Barbil District- Keonjhar-758035 Phone: +91-9031055737 Email: tapan.rath@jsw.in Fax: 02242861000 DOA-01.07.2024
25	Name of the **Mining Engineer**, Qualification and total experience with Address, mobile no, email, fax/phone number and date of appointment in mine	Mr. Tapan Kumar Rath Qualification- B. Tech Mining Engineering with 1st Class Mines Managers Certificate along with MBA Marketing.(**18** years total experience) M/s JSW steel Limited Plot No – 15, Bhusgaon, At- Bhadrasahi, PS- Barbil District- Keonjhar-758035 Phone: +91-9031055737 Email: tapan.rath@jsw.in Fax: 02242861000 DOA-01.07.2024
26	Name of the **Geologist**, Qualification and total experience with Address, mobile no, email, fax number and date of appointment in mine	Mr. Shubhendu Shekhar Qualification- M.Sc. Geology. (**26** years total experience) M/s JSW steel Limited Plot No – 15, Bhusgaon, At- Bhadrasahi, PS- Barbil District- Keonjhar-758035 Phone: +91-9437287545 Email: shubhendu.shekhar@jsw.in Fax: 02242861000 DOA-01.01.2024
27	Date of Approval of Mining Plan/Review of Mining Plan/ their modifications with five-year period and specific condition in approval letter, if any.	1)Mining Plan approved on 08/9/2020 2) Approved Modified Mining Plan No. MPM/ A/O8-ORI/BHU/2021-22 dated 05/8/2021 for period 2021-22 to 2024-25 3) Next draft RMP submitted on 26/09/2024 and same was under process.
28	Mineral (s) granted in lease and proved for mining	Iron ore and Manganese ore
29	Method of Mining(Opencast,	Opencast

	Underground)	
30	Category (Fully Mechanised, Others or Manual)	Fully Mechanized
31	Captive/Non Captive	Captive
32	Present EC Capacity	Iron – 6 MTPA and Manganese- 0.036 MTPA

OBSERVATIONS/COMMENTS OF INSPECTING OFFICER:

1)Exploration:---

SL.No.	Item	Proposals (FY 2023-24)	Actual work	Remarks
1a	Backlog of previous year	FY: 23-24: 54 nos BHs with 4350 total meterage FY:2024-25: NIL (MP period total :138 nos of BHs with 12,350 total meterage)	FY: 23-24: 51 nos BHs with 5730 total meterage; Exploration under progress. (Grand total as on date of inspection :108 nos of BHs with 11,103 total meterage)	Pending exploration was due to delay in forest permission and tree feeling permission. Moreover, the lessee has also submitted draft RMP on 26/09/2024 with revised exploration proposals.
1b	Exploration over lease area for Geological axis 1 or 2.	Conversion of 148.17 Ha area of G-2 to G-1 stage (plan period)	90.139 Ha (G-2 to G-1 stage)	G-1:151.847 Ha G-2: 58.031 Ha (As on date of inspection) (Total Potential mineralized area :209.877 Ha+ non-mineralized area: 137.131 Ha)
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	In-house FY 2023-24: 480.22 lakhs	_____
1d	Balance area to be explored to bring Geological axis in 1 or 2	Conversion of 148.17 Ha area of G-2 to G-1 (plan period)	Balance of 58.031 Ha area to be converted.	The lessee has also submitted draft RMP on 26/09/2024 with revised exploration proposals due to delay in forest permission.
1e	Balance reserves as on 01.04.2024	NA	Iron Ore (+45 % Fe) reserves: 121: 2.41 million tonnes 122: 146.02 million tonnes ; Mn-Ore reserves (+10% Mn):	Based on approved modified MP dated 05/8/2021.

			122: 497,533 tonnes	
1f:	General remarks of inspecting Officer on Geology, exploration etc.	The lease area is a part of the Horse-shoe shaped Singhbhum-Bonai-Keonjhar iron ore belt. The rock types found within lease area belong to Banded Iron Formation of Koira Group. Based on last approved document the configuration of ore body as follows. Iron ore: 1800m X 800m X 51m Mn-Ore: 350m X 300m X 46m The lessee has also submitted draft RMP on 26/09/2024 with revised exploration proposals due to delay in forest permission.		

2)Development:--

SL. No.	Item	Proposals (FY 2023-24)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Quarry: Quarry-3/4; Northing: 2425700-2426200; Easting: 318100-318800 Quarry: R.F Quarry; Northing: 2424800-2425500; Easting: 317700-318300 Quarry: Quarry-5; Northing: 2424500-2424800; Easting: 317200-317500	Quarry: Quarry-3/4; Northing: 2425850-2426150; Easting: 318300-318550 Quarry: R.F Quarry; Northing: 2424950-2425200; Easting: 317850-318150 Quarry: Quarry-5; Northing: 2424600-2424750; Easting: 317250-317400 Within the proposed area.	Iron ore: Quarry-3/4 and R.F Quarry; Mn-ore: Quarry-5
2b	Separate benches in topsoil, overburden and mineral	Separate benches in overburden and minerals ; No top-soil generation	As per proposal	_____
2c	Stripping ratio or ore to OB ratio	Iron: 1:0.42 Mn-Ore: 1:6.21	Iron: 1: 0.25 (Due to restricted EC) Mn-Ore: 1: 49 (Due to captive mine, nature of deposit and backlog of development) Submitted Draft RMP was under process.	Ratio in tonnes;
2d	Quantity of topsoil generation in m3	No proposals	Nil	_____
2e	Quantity of overburden generation in m3	Iron: 2,107,960 Mn-Ore: 111,617	Iron: 691,810 Mn-Ore: 13,533 Production achievement was as per present EC; Production of Mn-ore for captive purpose only. Further, submitted Draft RMP was under process.	Within limit.
2f	General remarks of	Developments of pits are being carried out as per approved modified MP. Present EC Capacity of Iron– 6 MTPA and Manganese- 0.036 MTPA. It is an		

	inspecting Officer on developme nt of pit w.r.t. type of deposit etc	auctioned captive mine with 98.55 % Bid premium. Next draft RMP submitted on 26/09/2024 and same was under process.

3)Exploitation:--

SL.No.	Item	Proposals (FY 2023-24)	Actual work	Remarks
3a	Number of pits proposed for production	Iron: Two ptis Mn-ore: One pit	Iron: Two ptis Mn-ore: One pit	_____
3b	Quantity of ROM mineral production proposed	Iron: 10,000,000 tonnes Mn-ore: 36,000 tonnes	**Iron:** 5,627,775 tonnes (Present EC Capacity of Iron – 6 MTPA and enhanced EC proposal of 10 Millon Tonnes, was under process) **Mn-ore**: 554 tonnes (captive purpose only and MDPA reported to be achieved)	_____
3c	Recovery of salable/usab le mineral from ROM production	Iron ore: 75 % (+55 % Fe) 7,500,000 tonnes Mn-ore: 90 % (+20% Mn) 32,400 tonnes	Iron ore: 90 % (+55 % Fe) 5,063,164 tonnes Mn-ore:554 tonnes 100 % (+20% Mn)	_____
3d	Quantity of mineral reject generation	Iron ore: 2,500,000 tonnes (45 to 55 % Fe) Mn-ore: 3,600 tonnes (10-20 % Mn)	Iron ore: 564, 611 tonnes (45 to 55 % Fe) Mn-ore: NIL	Mineral reject stacked separately and are being utilized by blending.
3e	Grade of mineral reject generation and threshold value declared	Iron ore: 45 to 55 % Fe Mn-ore: 10-20 % Mn	Iron ore: 45 to 55 % Fe Mn-ore: NIL	Threshold value of Iron Ore : +45 % Fe Mn ore: +10 % Mn
3f	Quantity of sub-grade mineral generation	Same as para 3d		Sub-grade mineral/ mineral reject are being stacked
3g	Grade of sub-grade	Same as para 3e		

	mineral generation			separately & utilized by blending
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	-----
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	NIL	_____
3j	Provision of drilling & blasting in mineral benches	Drilling and blasting in mineral benches is proposed with burden, spacing and diameter of hole at 3m, 4m and 115 to 150mm respectively.	As per proposals.	_____
3k	Provision of mining machineries in mineral benches	Yes, mining by Shovel & Dumper Combination. ROM will be excavated by 2.5 m3 to 9 m3 excavators and loaded in the 35T /100T dumpers.	As per proposals.	_____
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Iron pit: 9m bench height with 10 to 12 m width Mn-Ore pit: 6m bench height with 10m width	As per proposals.	_____
3m	Total area covered under excavation/ pits	81.816 Ha (End of plan period)	79.007 Ha	_____
3n	Ore to OB ratio for the pit/mine during the year	Iron: 1:0.42 Mn-Ore: 1:6.21	Iron: 1: 0.25 (Due to restricted EC) Mn-Ore: 1: 49 (Due to captive mine, nature of deposit and backlog of development) Submitted Draft RMP was under process.	Ratio in tonnes;

<table>
<tr>
<td>3o</td>
<td>Total area put in use under different heads at the end of year</td>
<td>
<table>
<tr><th>Particulars</th><th>Total Area(Ha) at the end of Plan period</th></tr>
<tr><td>Area under Mining</td><td>81.816</td></tr>
<tr><td>Overburden/ Waste dumping</td><td>4.735</td></tr>
<tr><td>Mineral Storage</td><td>55.624</td></tr>
<tr><td>Infrastructure (Occupied by plants buildings & roads</td><td>26.87</td></tr>
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<table>
<tr><th>Particulars</th><th>Total Area(Ha) at the end of FY 2023-24</th></tr>
<tr><td>Area under Mining</td><td>79.007</td></tr>
<tr><td>Overburden/ Waste dumping</td><td>6.317</td></tr>
<tr><td>Mineral Storage</td><td>41.512</td></tr>
<tr><td>Infrastructure (Occupied by plants buildings & roads</td><td>23.222</td></tr>
</table>
Within the limit.
</td>
<td>_____</td>
</tr>
<tr>
<td>3p</td>
<td>Production of ROM mineral during last five-years period, as applicable</td>
<td>
<table>
<tr><td>2020 -21</td><td>Iron</td><td>6,000,000</td></tr>
<tr><td></td><td>Mn</td><td>36,000</td></tr>
<tr><td>2021 -22</td><td>Iron</td><td>6,000,000</td></tr>
<tr><td></td><td>Mn</td><td>36,000</td></tr>
<tr><td>2022 -23</td><td>Iron</td><td>8,000,000</td></tr>
<tr><td></td><td>Mn</td><td>36,000</td></tr>
<tr><td>2023 -24</td><td>Iron</td><td>10,000,000</td></tr>
<tr><td></td><td>Mn</td><td>36,000</td></tr>
</table>
</td>
<td>
<table>
<tr><td>2020-21</td><td>Iron</td><td>4,476,452</td></tr>
<tr><td></td><td>Mn</td><td>497</td></tr>
<tr><td>2021-22</td><td>Iron</td><td>5,443,454</td></tr>
<tr><td></td><td>Mn</td><td>4,752</td></tr>
<tr><td>2022-23</td><td>Iron</td><td>5,296,717</td></tr>
<tr><td></td><td>Mn</td><td>5,191</td></tr>
<tr><td>2023-24</td><td>Iron</td><td>5,627,775</td></tr>
<tr><td></td><td>Mn</td><td>554</td></tr>
</table>
</td>
<td>Unit: In tonnes; Date of ML execution on 27.06.2020</td>
</tr>
<tr>
<td>3q</td>
<td>General remarks of inspecting Officer on method of mining etc</td>
<td colspan="2">Open-cast fully mechanized mining method is being carried as per approved modified MP. The production achieved is as per current EC capacity of 6 Million tonnes of Iron ore and enhanced EC proposal of 10 Million tonnes, was under process.</td>
</tr>
</table>

4)Solid Waste Management-Dumping:--

<table>
<tr><th>SL.No.</th><th>Item</th><th>Proposals (FY 2023-24)</th><th>Actual work</th><th>Remarks</th></tr>
<tr>
<td>4a</td>
<td>Separate dumping of topsoil, OB & mineral reject</td>
<td>
<table>
<tr><td>Top soil</td><td colspan="2">Nil</td></tr>
<tr><td rowspan="2">OB</td><td>Iron</td><td>Backfilling</td></tr>
<tr><td>Mn</td><td>Dump-2</td></tr>
<tr><td rowspan="2">Mineral Reject</td><td>Iron</td><td>Near Quarry-6/ R.F Pit</td></tr>
<tr><td>Mn</td><td>Near Dump-2</td></tr>
</table>
</td>
<td>As per proposals.</td>
<td>_____</td>
</tr>
</table>

4b	Location of topsoil, OB & mineral reject dumps	Topsoil:Nil Northing: 2426000-2426300; Easting: 318600-318900 Mn-OB: Northing 2424900-2425000; Easting 317100-317300 Iron (Mineral reject): Northing 242527-2426185; Easting 318159-318509	Topsoil: Nil Iron_OB: Northing 2426075-2426240; Easting 318660-318830 Mn-OB: Northing 2424950-2424940; Easting 317120-317280 Iron-(mineral reject): Northing 242529 - 2426150; Easting 318190 - 318432 Within proposals.	_____
4c	Number of dumps within lease area and outside lease area	Inside Lease: Iron 1; Mn 1 Outside Lease: NIL	As per proposals.	_____
4d	Location of dumps w.r.t. ultimate pit limit	Iron – Backfilling Manganese - Dumping is proposed outside the pit limit	As per proposals.	_____
4e	Number of active & alive dumps	Iron: B/F in Quarry-3/4 Manganese - 1 Nos: Dump No-2	As per proposals.	___
4f	Number of dead dumps	One (Iron)	One (Iron)	____
4g	Number of dumps stabilished	NIL	NIL	_____
4h	Whether Retaining wall or garland drain all along dumps are there	Yes, proposed	Proposals carried out as per approved modified MP.	_____
4i	Length of Retaining wall or garland drain all along	Retaining wall- NIL Garland drain- 1306 m Coir matting: 4300 Sq.m	Retaining wall- 400 m Garland drain- 1550 m Coir matting: 2500 Sq.m (Due to less generation of OB wastes during plan period due to restricted EC)	_____

	dump			
4j	Number of settling ponds	NIL	NIL	____
4k	Specific comments of inspecting Officer on waste dump management	Overburden wastes and mineral reject management are being carried out as per the approved proposals.		

5)Solid Waste Management-Backfilling:--

SL.No.	Item	Proposals (FY 2023-24)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Back-filling proposed at portion of exhausted quarry no-3 (for wastes of Iron ore only) (Co-ordinates: N2426000-2426300 & E318600-318900)	As per proposals.	_____
5b	Area under backfilling of mined out area	4.2 Ha	4.15 Ha	_____
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Nil	Nil	____
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	Earlier, 6.28 ha area has been backfilled out of 9.59 ha area of exhausted portion of quarry no. 3 by the ex-lessee.
5e	General remarks of inspecting Officer on backfilling and reclamation etc	Backfilling is being carried out as per the approved proposals over earlier backfilled area of quarry no.3		

6)Progressive Mine Closure Plan:---

SL.N.	Item	Proposals (FY	Actual work	Remarks

		2023-24)		
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2). (Hard copy same provided)	Before 1st July 2024	Submitted on time.	NIL
6b	Management of worked/ mined out benches/dumps i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	i)Nil ii)1 Ha iii)2500 nos iv) 7500 nos v)Plantation vi) Nil	i)Nil ii)3 Ha iii)Total of 6,000 nos iv)18,600 nos v) Plantation vi) Rs 15,27,000	6000 nos saplings planted over dump /backfilled area / Gap filling of safety zone
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	i)2,107,960 m3 ii) 2,107,960 m3 iii)0.5 Ha/NA iv)Nil v)NA	i) 547,045m^3 ii) 547,045m^3 iii)1 Ha/500 nos iv)Nil v)NA	Within the proposals.
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i)NIL ii)Nil iii)Nil	i)NIL ii)Nil iii)Nil	NIL
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring in Core zone and buffer zone will be as per MOEFCC and SPCB guidelines.	Environmental monitoring in Core zone and buffer zone was carried out as per the proposals and parameters are within the limit.	NIL
6f	General remarks of	Lessee has implementing PMCP proposals as per		

	inspecting Officer on PMCP compliance & progressive closure operation etc	approved modified MP.

7)Mineral Conservation:---

SL.No.	Item	Proposals (FY 2023-24)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting by dry crushing and screening within lease area.	As per proposals	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical (Iron-ore) Manual(Mn-Ore)	Mechanical (Iron-ore) Manual(Mn-Ore)	NIL
7c	Different grade of mineral sorted out at mines	**Iron Ore** of different size (CLO & Fines) and grade for their captive steel plant/direct selling and (Iron Grade range- 45-51%Fe, 51-55% Fe, 55-58% Fe, 58-60% Fe, 60-62% Fe & 62-65% Fe; **Mn_ore** grade range: Below 25% Mn and 25 to 35 % Mn)	As per proposals (Iron: 51 to 65 % Fe fines and CLO (5 to 18, 10-40, any size) ; **Mn_ore** grade range: 25 to 35 % Mn)	NIL
7d	Any beneficiation process at mines	Wet mineral processing	Not yet started and statutory clearance of Wet beneficiation plant was under process.	NIL
7e	General remarks of inspecting Officer on mineral conservation & beneficiation issues	Grade-wise sorting & dispatches of ore/mineral to their captive plants as per the proposals and there is no mineral conservation issue.		

8)Environment:--

SL.No.	Item	Proposals (FY 2023-24)	Actual work	Remarks
8a	Separate removal and utilization of topsoil	No such proposals.	Nil	_____
8b	Concurrent use or storage of topsoil	No such proposals.	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines	Separate dumping of OB wastes/ mineral rejects proposed	Carried out as per proposals.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the	OB Wastes of Iron ore will used for back-filling at	Carried out as per the proposals	Nil

	land to its original use	exhausted portion of quarry no-3; Mineral reject will be stacked separately & utilized by blending.		
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Back-filling proposed to be carried out over 4.2 Ha area of previously back-filled portion of exhausted quarry no-3	As per proposals	_____
8f	Baseline information on existence of plantation & additional plantation done	2,500 nos splings proposed during FY 23-24.	6,000 nos saplings planted in 3 Ha area during year 23-24 with cumulative 18,600 nos of saplings.	_____
8g	Survival rate	NA	80 %	____
8h	Water sprinkling on roads to control airborne dust	Regular sprinkling of water on Haul roads, dumping/backfilling area and dry Plant area using Water tanker to suppress the dust.	Carried out as per the proposals.	_____
8i	General remarks of inspecting Officer on aesthetic beauty in & around mines area.	Aesthetic beauty in & around mines area is good as lessee implementing the PMCP proposal and carried out plantation as per the proposals.		

9)Compliance of Rule 45

SL.No.	Item	COMMENTS		Remarks.
9a	Status of submission of Monthly and Annual returns	Regularly submitting the MRs/ARs on-time.		**Nil**
S.N.	Item	Details GIVEN in A.R.	Actual in field	_____
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer Cum Manager: Shri Indrakant Saha Geologist: Shri Shubhendu Shekhar	Mining Engineer Cum Manager: Shri Tapan Kumar Rath (DOA: 1/7/2024) Geologist: Shri	_____

<table>
<tr><td></td><td></td><td></td><td>Shubhendu Shekhar</td><td></td></tr>
<tr><td>9c</td><td>Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.</td><td>(1) Covered under current (O/C) Workings- 79.007 Ha
(2) Used for Waste Disposal-6.317 Ha
(3) Occupied by plant, buildings, residential, welfare, buildings and roads- 23.222 Ha
(4) Other Purpose (Mineral Storage)- 41.511 Ha</td><td>Actual also as per AR</td><td>_____</td></tr>
<tr><td>9d</td><td>Scrutiny of Annual return on afforestation</td><td>6,000 nos</td><td>Actual also as per AR</td><td>____</td></tr>
<tr><td>9e</td><td>Scrutiny of Annual return on mineral reject generation (Grade & quantity)</td><td>During year-23-24<table><tr><td>Iron Unprocessed Ore (45-55 % Fe)</td><td>NIL</td></tr><tr><td>Iron Processed Ore (45-55 % Fe)</td><td>5,64,611 tonnes</td></tr></table>Mn-Ore: NIL</td><td>Actual also as per AR</td><td>____</td></tr>
<tr><td>9f</td><td>Scrutiny of Annual return on ROM stock and/or graded ore</td><td>As on 31.03.2024 tonnes
Stock Iron ROM:1,80,421<table><tr><th colspan="2">Fines closing stock in tonnes</th></tr><tr><td>51%-below 55%</td><td>29,554</td></tr><tr><td>55%-below 58%</td><td>117</td></tr><tr><td>58%-below 60%</td><td>2,06,515</td></tr><tr><td>60%-below 62%</td><td>1,06,716</td></tr><tr><td>62%-below 65%</td><td>3,66,887</td></tr><tr><td>65% and above</td><td>20</td></tr><tr><th colspan="2">CLO stock in tonnes</th></tr><tr><td><62% Fe (clo any size)</td><td>2,85,465</td></tr><tr><td>62%-below 65%</td><td>87,856</td></tr></table></td><td>Appear to be correct except Mn-ore closing stack of ROM, grade wise production and sales & dispatches of Mn-ore</td><td>V/L issued.</td></tr>
</table>

		<table><tr><td>Fe (5-18 mm)</td><td></td></tr><tr><td>62 to below 65 % Fe (10-40mm)</td><td>18,43,925</td></tr></table> Mn_Ore stock: ROM: 1786 tonnes Below 25 % Mn: 154 25 to 35 % Mn: 139 35 to 46 % Mn: 999		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Iron Ore Ex-Mine Price and cost of production: Rs-5953.40 per tonne; Mn Ore Ex-Mine Price and cost of production: Rs-8984.91 per tonne;	Appear to be correct as captive mine.	_____
9i	Scrutiny of Annual return on fixed assets	Fixed Value of Assets: Rs 450,72,95,167	Appear to be correct	_____
9k	Scrutiny of Annual return on mining machineries	Shovel (Hydaulic): 4 nos; Rock Hole Drill: **2nos;** Wheel Loader:**1 nos;** Dumpers (100 T):12 nos ; Tippers: 18 nos; Water tanker: 2 nos; Crusher: 3 nos; Generator: 6 nos; Dozer: 2 nos Motor Grader: 2 nos. Crane: 1 nos	Observed to be correct.	_____

(10)Violation observed during current inspection and compliance position of earlier violation pointed out:

(a)Compliance position of earlier violation pointed out: During last inspection dated 23/08/2023, the violation of rules 11(1) and 45(7) of MCDR 2017 were pointed out and subsequently, said rules complied on 13/9/2023.

(b)During current inspection: The violation of Rule 45 (7) of MCDR 2017 has been observed and the violation letter issued on 06/11/2024.

Date:07/11/2024

Signed by Prashant S Hegde
Date: 07-11-2024 11:53:05

(Prashant S. Hegde)
Regional Mining Geologist