

INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION
MCDR INSPECTION REPORT
Ranchi Regional Office

Mine file No: MCDR-MiFLOFE/2/2023-RCH-IBM_EZ

Mine code: 30JHK18015

Date of Inspection: 17.07.2024

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Vijay-II Iron Ore Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area (ha)– 155.078 ha i)Forest area(ha): 155.078 ha ii) Non- forest area: 0 ha
3	Mine Code	30JHK18015
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4376/2011
5	Name of the lessee, Address, phone, email and fax number	Tata Steel Limited, 24 Homi Mody Street, Fort. Mumbai-400001, Ph No.: 9262699402 ,Fax: 06767-272010 Email id: ceo_md_office@tatasteel.com
6	Village	Ghatkuri RF, Barajamda
7	Taluka/Mandal	Noamundi
8	District	West Singhbhum
9	Pincode	833217
10	State	Jharkhand
11	Post office	Barajamda
12	Nearest police station	Gua
13	Nearest Railway station	Barajamda
14	Date of Grant of Mining Lease	18.08.2005
15	Date of Execution	16.08.2005
16	Date of opening of Mine	2005
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. T. V. Narendran Northern Town, Jamshedpur, P.O: Bistupur, Dist: East Singhbhum, Jharkhand- 831001, Phone No: 0657-2424602 Email id: narendran@tatasteel.com Date of appointment: 15.11.2023
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Rajeev Kumar Vijay II Iron Ore Mine, PO; Barajamda , Dist.: West Singhbhum,Phone No: - 9234612778 Mail ID: rajeevkr@tatasteel.com Date of appointment: 01.06.2023
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Braj Binod Kumar Vijay-II Iron Ore Mine, PO; Barajamda Dist.: West Singhbhum ,Phone No: - 9234612749 Mail ID: brajbinod@tatasteel.com Date of appointment:17.04.2024
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Braj Binod Kumar Qualification: B.E.– Mining, Experience: 26 years,Vijay-II Iron Ore Mine, PO; Barajamda,Dist.: West Singhbhum Phone No: - 9234612749 Mail ID: brajbinod@tatasteel.com Date of appointment:17.04.2024

SN	Particulars	Details
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes GEOLOGIST: Mr. Ashis Mohanty M.Sc.- Geology, Mail ID: ashish.mohanty@tatasteel.com Date of appointment: 29.09.2023 MINING ENGINEER: Mr. Braj Binod Kumar Qualification: B.E(Mining) Mail ID: brajbinod@tatasteel.com Date of appointment: 17.04.2024
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Approval of Modification of Review of Mining Plan vide letter No.- RAN/WESTSINGHBHUM/Fe/MMP-7/2023-24, dated 11.12.2023. For the period: 2023-24 to 2024-25
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	-
27	Mineral(s) granted in lease and proved for mining	Iron Ore
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanized (Category "A")
30	Captive/Non-Captive	Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	-	5 holes (203 meters)	5 boreholes were drilled against old DTH boreholes to validate the existence of ore)
1b	Exploration over lease area for Geological axis 1 or 2.	NA	NA	No Proposal for the reporting year
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Expenditure: 22.50 Lakhs	Exploration Agency: M/s Tata Steel Limited Expenditure: 18.3 Lakh	Found Correct
1d	Balance area to be explored to bring Geological axis in 1 or 2	0.0	0.0	As per approved RoMP Document
1e	Balance reserves as on 01.04.2024	12.58 million tons	14.37 million tons	Found Correct
1f	General remarks of inspecting officer on geology, exploration etc.	5 Nos. of boreholes were drilled however Form-J was not submitted to this office. Further Geological Study Report prepared in the manner specified in the Minerals (Evidence of Mineral Contents) Rules, 2015, within three months after the completion of the exploration work has also not been submitted.		

2.0 DEVELOPMENT

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Quarry 1 N: 22:10:58.19-22:11:10.85 E: 85:21:13.58 -85:21:27.22 Quarry 2 N: 22:10:24.51-22:10:50.65 E: 85:21:00.57-85:21:03.80	Quarry 1 N: 22:11:1.82-22:11:09.20 E 85:21:14.25-: 85:21:26.43 Quarry 2 N: 22:10:34.19-22:10:50.30 85:20:59.40-E: 85:20:59.83	It was proposed to develop 11 benches from 766mRL to 667mRL in Quarry-1 and 8 benches in Quarry-2 from 751mRL to 688 mRL but in Quarry 1 (8 benches 671mRL) benches has been developed and in Quarry -2 7 benches 698mRL has been developed.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Yes	As per approved RoMP Document

2c	Stripping ratio or ore to OB ratio	1.87 Ton/m ³	2.78 Ton/m ³	Stripping ratio on higher side
2d	Quantity of topsoil generation in m ³	4020	Nil	No topsoil generation
2e	Quantity of overburden generation in m ³	1333535.7	256106.4	Within the approved proposal.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Lessee has not developed pit as envisaged in the approved review of Mining plan document.		

3.0 EXPLOITATION

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	2	2	Within the approved proposal.
3b	Quantity of ROM mineral production proposed	25,00,000 T	711300.96 T	Only 28% achievement has been made.
3c	Recovery of saleable/usable mineral from ROM production	25,00,000 T	711300.96 T	Only 28% achievement has been made.
3d	Quantity of mineral reject generation	Nil	Nil	Within the approved proposal.
3e	Grade of mineral reject generation and threshold value declared	NA	NA	Within the approved proposal.
3f	Quantity of sub-grade mineral generation	NA	NA	Within the approved proposal.
3g	Grade of sub-grade mineral generation	NA	NA	Within the approved proposal.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method proposed	Mechanised method adopted	Within the approved proposal.
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No	No	Within the approved proposal.
3j	Provision of drilling & blasting in mineral benches	Deep Hole Drilling Dia: - 110 mm Depth: - 9 m, Spacing: - 4 Burden: -3 Explosive: Emulsion	Deep Hole Drilling Dia: - 110 mm Depth: - 9 m, Spacing: - 4 Burden: -3 Explosive- Emulsion	Within the approved proposal.
3k	Provision of mining machineries in mineral benches	Shovel (3.5 m ³) & Tipper (35 T) Combination	Shovel (3.5 m ³) & Tipper (35 T) Combination	Within the approved proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height- 9 m	Bench Height- 9 m	Within the approved proposal.
3m	Total area covered under excavation/ pits	62.57 Ha	55.36 Ha	Within the approved proposal.
3n	Ore to OB ratio for the pit/mine during the year	1.87 Ton/m ³	2.78 Ton/m ³	Stripping Ratio on the Higher end.
3o	Total area put in use under different heads at the end of year	Area under mining: 62.57 ha Topsoil Stacking: 0.15 ha Waste Dump: 3.90 ha Mineral Storage: 5.13 ha Infrastructure: 1.12 ha Road: 14.93 ha Total: 87.80 ha	Area under mining: 55.36 ha Topsoil Stacking: 0.004 ha Waste Dump: 0 ha Mineral Storage: 4.98 ha Infrastructure: 1.33 ha Road: 0.5 ha Total: 62.17 ha	Slight Variation otherwise Within the approved proposal.

3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 4000000 2020-21: 2500000 2021-22: 2500000 2022-23: 2500000 2023-24: 2500000	2019-20: 1770365.27 2020-21: 2499753.171 2021-22: 2499502.95 2022-23: 2250806.70 2023-24: 711300.96	Only 28% achievement has been made in the reporting year. Violation of MDPA has been observed.
3q	General remarks of inspecting officer on method of mining etc.	ROM mineral production has not been achieved as envisaged in the approved review of Mining plan document. Only 28% of the targeted approved quantity has been achieved.		

4.0 SOLID WASTE MANAGEMENT-DUMPING

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Yes	Yes	Within the approved proposal.
4b	Location of topsoil, OB & mineral reject dumps	Topsoil: No Proposal OB Dump 1. Backfilling Dump 1 N: 22:11:06.72 to 22:11:14.19 E: 85:21:08.69 to 85:21:15.61 2. Temporary Waste Dump N: 22:10:40.96 to 22:10:52.13 E: 85:20:58.08 to 85:21:11.80 3. <i>Waste Dump 2</i> N: 22:11:06.72 to 22:11:14.19 E: 85:21:08.69 to 85:21:15.61	Topsoil: No topsoil dumps OB Dump 1. Backfilling Dump 1 N: 22:11:08.33 to 22:11:13.20 E: 85:21:09.65 to 85:21:14.84 2. Temporary Waste Dump N: 22:10:44.70 to 22:10:50.38 E: 85:21:02.02 to 85:21:04.09 3. <i>Waste Dump 2</i> Dump was not developed due to less waste production	Waste Dump 2 was not developed due to less waste production.
4c	Number of dumps within lease area and outside lease	Within Lease Area: Waste Dumps -3 Nos. Mineral Reject Dumps -0 No dumps outside lease area	Within Lease Area: Waste Dumps -2 Nos. Mineral Reject Dumps -0 Nos. No dumps outside lease area	Within the approved proposal.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within upl Dump: 2 Nos. 1. Backfilling Dump 1 N: 22:11:06.72 to 22:11:14.19 E: 85:21:08.69 to 85:21:15.61 2. Temporary Waste Dump N: 22:10:40.96 to 22:10:52.13 E: 85:20:58.08 to 85:21:11.80 Outside UPL External Dump: 1 Nos. 1. <i>Waste Dump 2</i> N: 22:11:06.72 to 22:11:14.19 E: 85:21:08.69 to 85:21:15	Within upl Dump: 2 Nos. 1. Backfilling Dump 1 N: 22:11:06.72 to 22:11:14.19 E: 85:21:08.69 to 85:21:15.61 2. Temporary Waste Dump N: 22:10:40.96 to 22:10:52.13 E: 85:20:58.08 to 85:21:11.80 Outside UPL External Dump: 0 Nos.	Within the approved proposal.
4e	Number of active & alive dumps	Active waste dumps-3 nos. 1. Backfilling Dump 1 N: 22:11:06.72 to 22:11:14.19 E: 85:21:08.69 to 85:21:15.61 2. Temporary Waste Dump N: 22:10:40.96 to 22:10:52.13 E: 85:20:58.08 to 85:21:11.80 3. <i>Waste Dump 2</i> N: 22:11:06.72 to 22:11:14.19 E: 85:21:08.69 to 85:21:15	Active waste dumps-2 nos 1. Backfilling Dump 1 N: 22:11:08.33 to 22:11:13.20 E: 85:21:09.65 to 85:21:14.84 2. Temporary Waste Dump N: 22:10:44.70 to 22:10:50.38 E: 85:21:02.02 to 85:21:04.09	Within the approved proposal.
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	Waste Dump-1 Nos. Backfilling Dump 1 N: 22:11:06.72 to 22:11:14.19 E: 85:21:08.69 to 85:21:15.61	Stabilized Waste Dump-1 Nos. Backfilling Dump 1 N: 22:11:08.33 to 22:11:13.20 E: 85:21:09.65 to 85:21:14.84	Backfilling Dump 1 has been partially stabilized.

SN	Item	Proposals	Actual work	Remarks
4h	Whether Retaining wall or garland drain all along dumps	Proposed	Constructed	Within the approved proposal.
4i	Length of Retaining wall or garland drain all along dump	Retaining wall:443 m Garland drain:447 m	Retaining wall:445 m Garland drain:446 m	Within the approved proposal.
4j	Number of settling ponds	01	01	Within the approved proposal.
4k	Specific comments of inspecting officer	Lessee is lagging behind in production and therefore lagging behind in advancement of dump working.		

5.0 SOLID WASTE MANAGEMENT-BACKFILLING

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Proposed full extraction of mineral from mined out area before starting backfilling OB Dump Temporary Waste Dump N: 22:10:40.96 to 22:10:52.13 E: 85:20:58.08 to 85:21:11.80	Full extraction of mineral from mined out area done before starting backfilling OB Dump Temporary Waste Dump N: 22:10:40.96 to 22:10:52.13 E: 85:20:58.08 to 85:21:11.80	Within the approved proposal.
5b	Area under backfilling of mined out area	9.72 ha	4.16 ha	Within the approved proposal.(Only 42% achievement)
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Concurrent use proposed	Concurrent use done	Within the approved proposal.
5d	Total area fully reclaimed & rehabilitated	-	-	Within the approved proposal.
5e	General remarks of inspecting officer on backfilling, reclamation etc	Work done towards solid waste management-backfilling is satisfactory.		

6.0 PROGRESSIVE MINE CLOSURE PLAN

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	Submission by 30 th June	Yes, submitted ,28.06 2024	As per approved Proposal
6b	Management of worked/mined out benches 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) 5.95 ha ii) NA iii) 0 iv) NA v) NA vi) NA	i) 2.05 ha ii) NA iii) 0 iv) NA v) NA vi) NA	2.05 ha area of Quarry 2 has been converted into Temporary Waste Dump

SN	Item	Proposals	Actual work	Remarks
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) Backfilling Dump 1: 280* 180*30=15,12,000 Temporary Waste Dump: 990*190*45=84,64,500 ii) Backfilling Dump 1: 2.11 ha Temporary Waste Dump: 2.05 ha iii) 1.1 ha iv) No proposal v) NA	i) Backfilling Dump 1: 230* 100*25=5,75,000 Temporary Waste Dump: 295*95*30=8,40,750 ii) Backfilling Area #2: 13.45 ha Backfilling Area #3: 4.120 ha iii) 1.16 ha iv) NA v) NA	Total Backfilling area: 4.16 ha Backfilling volume: 0.256 Mcum
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) 1100 Nos. ii) 1.1 ha iii) Plantation and coir mat	i) 4000 Nos. ii) 1.16 ha iii) Method of rehabilitation: Plantation and coir mat	As per approved Proposal
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Air quality monitoring: Monthly reporting Surface Water quality monitoring: Quarterly reporting Ground Water quality monitoring: Quarterly Reporting Noise survey: Monthly Reporting	Air quality monitoring: Monthly reporting Surface Water quality monitoring: Quarterly reporting Ground Water quality monitoring: Quarterly Reporting Noise survey: Monthly Reporting	As per approved Proposal
6f	General remarks of inspecting officer on PMCP compliance	Satisfactory work done in the area of PMCP compliance.		

7.0 MINERAL CONSERVATION

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	-	<62% Fe (CLO):440797.98 T Fines 55 - 58% Fe - 308550.08 T 58 - 60% Fe- 159436.93 T 60 - 62% Fe - 69629.55 T	Within the approved proposal.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Size-wise mechanical sorting proposed.	Size-wise mechanical sorting is being done.	Within the approved proposal.
7c	Different grade of mineral sorted out at mines	NA	NA	Within the approved proposal.
7d	Any beneficiation process at mines	Dry Crushing & Screening plant of 2.5 MTPA	Dry Crushing & Screening plant of 2.5 MTPA	Within the approved proposal.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Satisfactory work done in the area of Mineral Conservation.		

8.0 ENVIRONMENT

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Removal – 4020 m ³ Utilization – 4020 m ³	Removal – 0 m ³ Utilization – 2.6 m ³	Within the approved proposal.
8b	Concurrent use or storage of topsoil	Concurrent use & Storage Proposed	Concurrent usage of topsoil for plantation within mines	3.18 m ³ of topsoil was utilized from old stock in concurrent plantation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps proposed	Separate dumps maintained for OB/Waste dumps	Within the approved proposal.

8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	OB Dump 1.Backfilling Dump 1 N: 22:11:06.72 to 22:11:14.19 E: 85:21:08.69 to 85:21:15.61 2.Temporary Waste Dump N: 22:10:40.96 to 22:10:52.13 E: 85:20:58.08 to 85:21:11.80	OB Dump 1.Backfilling Dump 1 N: 22:11:08.33-22:11:13.20 E: 85:21:09.65-85:21:14.84 2.Temporary Waste Dump N: 22:10:44.70-22:10:50.38 E: 85:21:02.02-85:21:04.09	256106.4 Cum of waste/OB was used for backfilling over an area of 4.16 ha.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Plantation proposed in <i>Backfilling Dump 1</i> over an area of 1.10 ha by plantation of 1100 nos. of saplings.	Plantation achieved over an area of 1.10 ha in <i>Backfilling Dump 1</i> by plantation of 4000 nos. of saplings.	Within the approved proposal.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Area proposed for plantation: 1.1 ha Saplings to be planted - 1100	Area under plantation: 1.16 ha No. of saplings planted: 4000	Within the approved proposal.
8g	Survival rate	85%	60%	Actual Survival rate is less than proposed rate
8h	Water sprinkling on roads to control airborne dust	Proposed	mobile water tankers and fixed water sprinklers	Within the approved proposal.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines	Lessee has planted 4000 nos. Of saplings in the lease area and has used water tankers for dust suppression. This sustains the aesthetic beauty in and around mines.		

9.0 COMPLIANCE OF RULE 45

SN	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return submitted up to: June 2024 Annual Return submitted for FY 2023-24		
SN	Item	Details given in A.R.	Observation of I/O	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Braj Binod Kumar Geologist: Ashis Mohanty Manager: Braj Binod Kumar	Mining Engineer: Braj Binod Kumar Geologist: Ashis Mohanty Manager: Braj Binod Kumar	As per furnished documents, found correct.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining: 55.36 ha Topsoil Stacking: 0.004 ha Waste Dump: 0 ha Mineral Storage: 4.98 ha Infrastructure: 1.33 ha Total: 62.17 ha	Mining: 55.36 ha Topsoil Stacking: 0.004 ha Waste Dump: 0 ha Mineral Storage: 4.98 ha Infrastructure: 1.33 ha Total: 62.17 ha	As per furnished documents, found correct.
9d	Scrutiny of Annual return on afforestation	WML: 4000 Nos.	WML: 4000 Nos.	As per furnished documents, found correct.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	-	Nil	Within the approved proposal.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening Stock - 559166.591 T Production-711300.960 T ROM Feed - 1190113.52 T Closing Stock-80354.026 T Products: CLO: Fe < 62%: 456319.15 T Fines: Fe (55% - 58%):489963.83 T Fe (58% - 60%):187909.66 T Fe(60% - 62%): 55920.88 T Dispatch: CLO Fe < 62%: 440797.98 T Fines: Fe (55% - 58%):308550.08 T Fe (58% - 60%):159436.93 T Fe(60% - 62%): 69629.55 T	Opening Stock - 559166.591 T Production-711300.960 T ROM Feed - 1190113.52 T Closing Stock-80354.026 T Products: CLO: Fe < 62%: 456319.15 T Fines: Fe (55% - 58%):489963.83 T Fe (58% - 60%):187909.66 T Fe(60% - 62%): 55920.88 T Dispatch: CLO Fe < 62%: 440797.98 T Fines: 55% - 58% Fe Fines: 308550.08 T 58% - 60% Fe Fines- 159436.93 T 60% - 62% Fe Fines- 69629.55 T	ROM Feed: Opening Stock + Production – ROM Feed = Closing Stock (Opening Stock) 559166.591+ (Production) 711300.960 – (ROM Feed) 1190113.52 = (Closing Stock) 80354.026

9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine price (Rs/MT) CLO :Fe < 62% : 1740.4 Fines: Fe (55% - 58%) : 1530.6 Fe (58% - 60%):1724.2 Fe(60% - 62%): 2039.9 Cost of production/tonne of ore-mineral produced- 2057.79	Ex-mine price (Rs/MT) CLO:Fe < 62% : 1740.4 Fines: Fe (55% - 58%) : 1530.6 Fe (58% - 60%):1724.2 Fe(60% - 62%): 2039.9 Cost of production/tonne of ore-mineral produced- 2057.79	Within the approved proposal.
9i	Scrutiny of Annual return on fixed assets	₹ 2372900516	Verified from the asset register and found correct.	Certified by Chartered Accountant
9k	Scrutiny of Annual return on mining machineries	1.Shovel- 0 2. Backhoe- 13 3. Dumper- 0 4. Tipper- 24 5.Rock Drill- 01 6.Air Compressor-0 7. DG - 03 8. Dozer- 02	1.Shovel- 0 2. Backhoe- 13 3. Dumper- 0 4. Tipper- 24 5.Rock Drill- 01 6.Air Compressor-0 7. DG- 03 8. Dozer- 02	Within the approved proposal.

10 - Details of violations observed during current inspection and compliance position of earlier violation pointed out: -

1. Earlier pointed out violation: 1

Violation letter No. – MCDR-MiFLOFE/2/2023-RCH-IBM_EZ, dt. 29.02.2024,
Complied vide letter no - VII/Mines/23-24/327, dated 07.03.2024

2. Violation pointed out in the current inspection are as under:

i) **Rule 11(1):**

- It was proposed to develop 11 benches from 766mRL to 667mRL in Quarry-1 and 8 benches in Quarry-2 from 751mRL to 688 mRL but in Quarry 1 (8 benches 671mRL) benches has been developed and in Quarry -2 7 benches 698mRL has been developed.
- Quantity of ROM mineral production proposed was 25, 00,000 T for the reporting year 2023-24, however only 711300.96 T have been produced which is only 28% achievement. This in-turn has resulted into the less Recovery of saleable/usable mineral from ROM production which is also only 711300.96 T against 25, 00,000 T. This is a gross violation of Rule11 (1).
- It was proposed to develop Waste Dump 2 in the designated location as specified in the approved RoMP document; however the same has not been developed.
- The proposal of backfilling of mined out area was 9.72 Ha, however only 4.16 ha have been done which is only 42% of the proposal.
- An amount of Rs. 47, 32, 00,000.00 was submitted as performance security deposit equivalent to 0.50% of value of estimated resources as a part of MDPA agreement which has expired on 02.05.2024. Renewal/updated copy of the performance security deposit have not submitted to this office afterwards.

ii) **Rule 12(4B):** Geological Study Report prepared in the manner specified in the Minerals (Evidence of Mineral Contents) Rules, 2015, within three months after the completion of the exploration work has also not been submitted.

iii) **Rule 48:** 5 Nos. of boreholes were drilled however Form-J was not submitted to this office.

(Vikas Kumar),
Asst. Controller of Mines,
Indian Bureau of Mines- Ranchi