

MCDR INSPECTION REPORT (2023-24)**File no:- MCDR-MiFLOFE/5/2023-BNG-IBM_RO_BNG****General**

Sl. No.	Particulars	Details
1	Name of the Mine	Kumaraswamy Iron Ore Mine (ML No. 1111)
2	Total Lease Area (Ha) with breakup of non-forest and forest land	639.80 Ha (Area as per DGPS sketch Forest land= 487.01 Ha & Revenue Land= 152.79 Ha)
3	Mine Code	30KAR03092
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/270/2011
5	Name of the lessee, Address, phone, email and fax number	NMDC Limited, 10-3-311/A, Castle Hills, Masab Tank, Hyderabad (Telangana)-500028. Telephone:040-23538706/07 Fax: 040-23538711 email ID: kiom.nmdc@gmail.co.in
6	Village	Deogiri
7	Taluk/Mandal	Sandur
8	District	Bellary
9	Pincode	583 118
10	State	Karnataka
11	Post office	Deogiri
12	Nearest police station	Sandur
13	Nearest Railway station	Ranjithpura
14	Date of Grant of Mining Lease	18-10-1972
15	Date of Execution	18-11-1972 for 30 years
16	Date of first Renewal, if applicable and its period & expiry	18-10-2002, valid for 20 years, expiry date: 17-10-2022
17	Date of second Renewal, if applicable and its period & expiry	18-10-2022, valid for 20 years, expiry date: 17-10-2042
18	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri. Vinay Kumar Director (Technical)I/c & Nominated Owner, NMDC Limited, 10-3-311/A, Castle Hills, Masab Tank, Hyderabad (Telangana)-500 028. Telephone:040-23538706/07 Fax: 04023538711 Date of appointment: 01-07-2024
19	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri. Shivendra Bahadur Singh, Chief General Manager, NMDC Limited, Donimalai, Bellary, Karnataka. Pin-583118, Phone: Email ID: sbsingh@nmdc.co.in Fax:08395274624 Date of appointment: 04-07-2024
20	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri. Randhir Kumar, GM (Min), B. Tech Mining & First Class Mine Manager. NMDC Limited, P.O. Donimalai Township, Dist. Bellary (Karnataka). Mobile: 9109197660, e-mail:

		randhirkumar@nmdc.co.in, 08395274640 Date of appointment: 01-03-2022	Phone/fax: 08395274640
21	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri. Phool Singh Dhruw, DGM (Min), Qualification: BE (Mining), First class mines manager certificate of competency (restricted), Total experience: 27 years NMDC Limited, P.O. Donimalai Township, Dist. Bellary (Karnataka). Mobile: 9752000156, e-mail: psdhrew@nmdc.co.in , Phone/fax: 08395274640 Date of appointment: 19-10-2022..	
22	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri Varchaswi Kaushal Qualification: - M. Tech (App. Geology) Total Experience 21 years P.O. Donimalai Township, Dist. Bellary (Karnataka). Mobile: 8762358241, e-mail: v.kaushal@nmdc.co.in , Phone/fax: 08395275104 Date of appointment: 01-08-2023.	
23	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	The Review and updation of Mining plan was approved vide letter no 279/290/91/BNG dated 29/10/2021, for the period 2022-23 to 2026-27.	
24	Mineral(s) granted in lease and proved for mining	Iron Ore	
25	Method of Mining (Opencast, Underground)	Opencast	
26	Category (Fully Mechanized, Others or Manual)	A-Fully Mechanized	
27	Captive/ Non captive	Non captive	
28	Date of previous Inspection	05.12.2023	
29	Date of Inspection	26.11.2024	
30	Accompanying Officials	Shri. Randhir Kumar, Mine Manager and QP, Shri Varchaswi Kaushal, Geologist, Shri Phool Singh Dhruw, Mining Engineer and other mine officials.	

Exploration: -

Sl. No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2.	15 Nos. exploratory Bore holes with 1000 meterage proposed	It is observed during inspection that against proposal of 15 exploratory boreholes with 1000 metres, only 8 nos. of exploratory boreholes with total meterage 937 metres drilled during year 2023-24.	Violation issued under Rule 11(1) of MCDR 2017.
1c	Exploration Agency & Expenditure	Not mentioned	NMDC in-house	Part-V (General

	in lakh Rupees during the year.		(Global Exploration Center, (GEC) Raipur, M/s. NMDC Limited. Cost-Rs. 18511616 as reported by Lessee in AR 2023-24.	Geology & Mining) of AR 2023-24. The expenditure on exploration as reported in this para is not matching with the exploration cost per ton as reported later in Part-VII (Cost of Production). Violation issued under Rule 45(7) of MCDR 2017.
1d	Balance area to be explored to bring Geological axis in 1 or 2	G-1-195.27 ha G-3-14.5 ha	The exploration limits were reassessed as per the updated borehole data till 30/09/2024 and in accordance with M(EMC) Rules 2015 and incorporated in the modified mining plan and same approved on 18/02/2025. As per the modified document. G-1- 226.4 Ha, G-2- 5.24 ha. G-4-328.11 ha (Including non-FC area of 162.31 ha within Lease) Proved Non mineralized area- 53.5 ha, Area to be explored- 26.55 ha.	Exploratory proposals incorporated in the modified mining plan from period 2024-25 to 2026-27(from 01.10.2024 To 31.03.2027) to upgrade potentially mineralized area in FC area to G-1 level of exploration.
1e	Balance reserves as on 01.04.2024	Balance reserves as on 01.04.2023 is 195,178,603 tons of iron ore (HIO).	Balance iron ore reserves as on 01.04.2024 is 188,179,996 tons of iron ore after depletion of production.	As reported by Lessee in AR 2023-24. HSIO was not estimated in the last approved document dtd 29/10/2021. The same has been

				estimated as per the threshold guidelines in the modified mining plan document approved dtd 18/02/2025.
1f	General remarks of inspecting officer on geology, exploration etc.	<p>i) The Reserves/Resources reported correctly by the Lessee in AR 2023-24 after depletion of production.</p> <p>ii) It is observed during inspection that against proposal of 15 exploratory boreholes with 1000 metres, only 8 nos. of exploratory boreholes with total meterage 937 metres drilled during year 2023-24. Violation issued under Rule 11(1) of MCDR 2017.</p> <p>iii) Part-V (General Geology & Mining) of AR 2023-24-The expenditure on exploration as reported in this para is not matching with the exploration cost per ton as reported later in Part-VII (Cost of Production). Violation issued under Rule 45(7) of MCDR 2017.</p> <p>iv) Exploratory proposals incorporated in the modified mining plan approved dtd 18/02/2025 from period 2024-25 to 2026-27(from 01.10.2024 To 31.03.2027) to upgrade potentially mineralized area in FC area to G-1 level of exploration.</p> <p>v) HSIO was not estimated in the last approved document dtd 29/10/2021. The same has been estimated as per the threshold guidelines in the modified mining plan document approved dtd 18/02/2025.</p>		

Development: -

Sl. No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	<p>Location of development proposed in B-Block & C-Block:</p> <p>(B block Pit-1,2 & 3) & C block Pit-1,2 & 3)</p>	<p>It is observed from drone data and during inspection that the development & production as proposed for the year 2023-24 at C-Block Pit-1 from Section C-28 to C-30(N-1660214, E-672020 to N-1660240, E-672202) have not been carried out as per the proposal, instead working is</p>	<p>Violation issued under Rule 11(1) of MCDR 2017.</p>

			carried between section C-19 to C-22 (N-1659889, E-671094 to N-1659890, E-671389).	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches proposed in overburden and mineral.	Separate benches maintained in overburden and mineral.	Nil
2c	Stripping ratio or ore to OB ratio	1: 0.18 proposed (in tons).	1: 0.28 achieved (in tons).	Ore: 6,998,607 tons OB/Waste-771391 Cum~2,005,616 tons. Intermittent Waste/OB intrusion encountered due to which waste handling is more proportionate to the production as reported by the Lessee during inspection.
2d	Quantity of topsoil generation in m3	No proposal	Nil	Nil
2e	Quantity of overburden generation in m3	692,307 Cum proposed	771,391 Cum. overburden handled.	As per the figures reported in AR 2023-24.
2f	General remarks of inspecting officer	<p>i) It is observed from drone data and during inspection that the development & production as proposed for the year 2023-24 at C-Block Pit-1 from Section C-28 to C-30 (N-1660214, E-672020 to N-1660240, E-672202) have not been carried out as per the proposal, instead working is carried between section C-19 to C-22 (N-1659889, E-671094 to N-1659890, E-671389). Violation issued under Rule 11(1) of MCDR 2017.</p> <p>ii) Part-I (General) of AR 2023-24 - It is observed during inspection that the surface KML/KMZ file for the mine have not been uploaded. Violation issued under Rule 45(7) of MCDR 2017.</p>		

Exploitation: -

Sl. No.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	Three Pits in B-block and three pits in C-block proposed.	Total 6 pits are under operation, three each in B & C Block. It is	Pit 1,2,3 B-block and Pit 1,2,3 C-block. Violation issued under

			observed from drone data and during inspection that the development & production as proposed for the year 2023-24 at C-Block Pit-1 from Section C-28 to C-30(N-1660214, E-672020 to N-1660240, E-672202) have not been carried out as per the proposal, instead working is carried between section C-19 to C-22 (N-1659889, E-671094 to N-1659890, E-671389)	Rule 11(1) of MCDR 2017.
3b	Quantity of ROM mineral production proposed	10,000,000 Tonnes	6,998,607 Tonnes	As reported in AR 2023-24. MPAP Limit- 7 MTPA for year 2023-24. Further CEC MPAP limit of 8.628 MTPA incorporated in the modified mining plan for the period 2025-25 to 2026-27(from 01.10.2024 To 31.03.2027)
3c	Recovery of salable/usable mineral from ROM production	100 % proposed	100 %achieved	Nil
3d	Quantity of mineral reject generation	No proposal	Nil.	No mineral reject generation proposal.
3e	Grade of mineral reject generation and threshold value declared	No proposal	Nil	No mineral reject generation proposal.
3f	Quantity of sub-grade mineral generation	No Proposal	Nil	Nil
3g	Grade of sub-grade mineral generation	No Proposal	Nil	Nil
3h	Manual / Mechanized method adopted for segregating from ROM	Only Crushing & screening proposed	Crushing & screening carried out within lease area.	Crusher-1800 TPH, Product size- 10mm(fines), 10-40 mm (Lumps). The Crusher details are not reported under Part V (6)-"Type of Machinery" of AR

				2023-24. Violation issued under Rule 45(7) of MCDR 2017.
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	Nil	Nil
3j	Provision of drilling & blasting in mineral benches	Drilling & blasting is proposed.	Drilling & blasting is done in combination with slurry explosives & Detonators.	Drill-115 mm-6 nos. It is observed during inspection that the capacity of the drill is not reported correctly under Part V (6)-"Type of Machinery" of AR 2023-24. Violation issued under Rule 45(7) of MCDR 2017.
3k	Provision of mining machineries in mineral benches	Mining Machineries proposed.	Excavator- 31 nos. (1.1 Cum, 1.3 Cum, 1.5 Cum, 1.6 Cum, 1.9 Cum, 2.1 Cum, 2.5 Cum, 4.3 Cum). Tipper- 110 nos. (14 & 16 Cum) Wheel loader-18 nos. (1.6 Cum, 1.7 Cum, 2 Cum, 2.5 Cum, 2.7 Cum, 3.8 Cum & 4.2 Cum) Water Tanker – 6 nos. (28 KL- 1no., 9 KL-1 no, 10 KL-1 no., 12 KL-3 nos.) Dozer: 1 no. (410 HP) Dumper- 2nos. (100 tons).	As reported by Lessee in AR 2023-24. The Crusher details are not reported under Part V (6)-"Type of Machinery" of AR 2023-24. Also, the capacity of the drill is not reported correctly. Violation issued under Rule 45(7) of MCDR 2017
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed bench height 6 meters, proposed for both overburden & mineral.	Bench height of 6 metres maintained in overburden & mineral benches as per the proposal.	Nil.
3m	Total area covered under excavation/pits	126.386 Ha proposed till 31.03.2024	127.789 Ha as on 31.03.2024.	As reported by Lessee in AR 2023-24. The updated land use for area under mining, dumps etc. till 30.09.2024 has been incorporated in the

				modified mining plan and same is approved dtd 18/02/2025.
3n	Ore to OB ratio for the pit/mine during the year	1: 0.18 proposed (in tons).	1: 0.28 achieved (in tons).	Ore: 6,998,607 tons OB/Waste- 771391 Cum~2,005,616 tons. Intermittent Waste/OB intrusion encountered due to which waste handling is more proportionate to the production as reported by the Lessee during inspection.
3o	Total area put in use under different heads at the end of year	Area under Mining-126.386 Ha. Overburden Dump-18.847 Ha. Infrastructure & Roads-18.01 Ha, (As on 31.03.2024) as per the approved document.	Area under Mining-127.789 Ha. Overburden Dump-18.329 Ha. Occupied Plant, building residential area, Roads -19.38 Ha. (As on 31.03.2024) as reported by the Lessee in AR 2023-24.	The updated land use for area under mining, dumps etc. till 30.09.2024 has been incorporated in the modified mining plan and same is approved dtd 18/02/2025.
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 7,000,000 2020-21: 7,000,000 2021-22: 10,000,000 2022-23: 10,000,000 2023-24: 10,000,000 (In tons)	2019-20: 6,999,841 2020-21: 6,999,908 2021-22: 6,849,633 2022-23: 6,202,763 2023-24: 6,998,607 (In tons)	MPAP Limit- 7 MTPA for year 2023-24. Further CEC MPAP limit of 8.628 MTPA incorporated in the modified mining plan for the period 2025-25 to 2026-27(from 01.10.2024 To 31.03.2027)
3q	General remarks of inspecting officer on method of mining etc.	<p>i)It is observed from drone data and during inspection that the development & production as proposed for the year 2023-24 at C-Block Pit-1 from Section C-28 to C-30(N-1660214, E-672020 to N-1660240, E-672202) have not been carried out as per the proposal, instead working is carried between section C-19 to C-22 (N-1659889, E-671094 to N-1659890, E-671389). Violation issued under Rule 11(1) of MCDR 2017.</p> <p>ii) The Crusher details are not reported under Part V (6)-"Type of Machinery" of AR 2023-24. Also, the capacity of the drill is not reported correctly. Violation issued under Rule 45(7) of MCDR 2017.</p> <p>iii)The CEC MPAP limit of 8.628 MTPA & also updated land use till 30/09/2024 incorporated in the modified mining plan for the period</p>		

	2025-25 to 2026-27(from 01.10.2024 To 31.03.2027) approved dtd 18/02/2025.
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Solid Waste Management-Dumping: -

Sl. No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Separate dumping proposed for the OB dumps. B- Block-AD-2 waste dump C-Block- AD-1 waste dump	Waste dumping at AD-2 dump carried out as per the proposal. Further it is observed from drone data and during inspection that waste dumping for the year 2023-24, for AD-1 dump is not carried at the earmarked location between section C-24 to C-25 as per proposal and also 10 m stages from 830 to 850 mRL are not maintained as per the proposal.	Violation issued under Rule 11(1) of MCDR 2017.
4b	Location of topsoil, OB & mineral reject dumps	<u>OB dumps:</u> AD-2 (B-Block): AD-1 (C-Block):	Waste dumping at AD-2 dump carried out as per the proposal. Further it is observed from drone data and during inspection that waste dumping for the year 2023-24, for AD-1 dump is not carried at the earmarked location between section C-24 to C-25 as per proposal and also 10 m stages from 830 to 850 mRL are not maintained as per the proposal.	Violation issued under Rule 11(1) of MCDR 2017.
4c	Number of dumps within lease area and outside lease area	3 waste dumps within the lease area (AD-1, AD-2 & AD-3)	3 waste dumps within the lease area (AD-1, AD-2 & AD-3)	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Portion of both AD-1 & AD-3 inside UPL. AD-2 dump Outside UPL.	Portion of both AD-1 & AD-3 inside UPL. AD-2 dump Outside UPL.	As per the current exploration data.

4e	Number of active & alive dumps	2 nos. of active dumps	2 no. of active dumps	AD-1-(C-block) & AD-2-(B-block)
4f	Number of dead dumps	1 no. of dead dump AD-3.	1 no. of dead dump AD-3.	AD-3 dump
4g	Number of dumps stabilized	No Proposal	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	76 m Retaining wall and 76 m garland drain proposed at waste dump AD-1.	It is observed from the submitted drone data and inspection that the construction of 76 metres Retaining wall & 76 metres garland drain as proposed at North western portion (N-1660440, E-671546 to N-1660501, E-671590) of waste dump AD-1, for the year 2023-24 has not been constructed.	Violation issued under Rule 11(1) of MCDR 2017.
4i	Length of Retaining wall or garland drain all along dump	76 m Retaining wall and 76 m garland drain proposed at waste dump AD-1.	It is observed from the submitted drone data and inspection that the construction of 76 metres Retaining wall & 76 metres garland drain as proposed at North western portion (N-1660440, E-671546 to N-1660501, E-671590) of waste dump AD-1, for the year 2023-24 has not been constructed.	Violation issued under Rule 11(1) of MCDR 2017.
4j	Number of settling ponds	No proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management.	<p>i) It is observed from drone data and during inspection that waste dumping for the year 2023-24, for AD-1 dump is not carried at the earmarked location between section C-24 to C-25 as per proposal and also 10 m stages from 830 to 850 mRL are not maintained as per the proposal. Violation issued under Rule 11(1) of MCDR 2017.</p> <p>ii) It is observed from the submitted drone data and inspection that the construction of 76 metres Retaining wall & 76 metres garland drain as proposed at North western portion (N-1660440, E-671546 to N-1660501, E-671590) of waste dump AD-1, for the year 2023-24 has not been constructed. Violation issued under Rule 11(1) of MCDR 2017</p>		

Solid Waste Management-Backfilling: -

Sl. No.	Item	Proposals	Actual work	Remarks
5a	Status on part or full	No Proposal	Nil	Nil

	extraction of mineral from mined out area before starting backfilling			
5b	Area under backfilling of mined out area	No Proposal	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	Nil	Nil
5d	Total area fully reclaimed & rehabilitated	No Proposal	Nil	Nil
5e	General remarks of inspecting officer	No backfilling proposals.		

Progressive Mine Closure Plan: -

Sl. No	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.	To be submitted before 1 st July every year.	Annual PMCP Report for the year 2023-24 submitted along with Annual Return 2023-24 on 11.06.2024. It is observed during inspection that the details of Toe-wall, check dams is not reported correctly in attached Annual PMCP table of AR 2023-24.	Violation issued under Rule 45(7) of MCDR 2017.
6b	i) Area available for rehabilitation (ha)	2.072 ha afforestation proposed	For the year 2023-24 a total plantation of 6000 nos. of plants at 2.072 ha is proposed at green belt location (N-165943, E-670883). However, only 0.74 ha with 1850 nos. of plantation carried out during the year	Violation issued under Rule 11(1) of MCDR 2017.

			as per the plantation figures reported in Annual return 2023-24	
6c	ii) Afforestation done (ha)	2.072 ha afforestation proposed	For the year 2023-24 a total plantation of 6000 nos. of plants at 2.072 ha is proposed at green belt location (N-165943, E-670883). However, only 0.74 ha with 1850 nos. of plantation carried out during the year as per the plantation figures reported in Annual return 2023-24	Violation issued under Rule 11(1) of MCDR 2017.
6d	iii) No. of saplings planted during the year	6000 nos. of saplings plantation proposed.	For the year 2023-24 a total plantation of 6000 nos. of plants at 2.072 ha is proposed at green belt location (N-165943, E-670883). However, only 0.74 ha with 1850 nos. of plantation carried out during the year as per the plantation figures reported in Annual return 2023-24	Violation issued under Rule 11(1) of MCDR 2017.
6e	iv) Cumulative no. of plants	Not mentioned	2,24,600 as reported by the Lessee during inspection. It is observed during	Violation issued under Rule 45(7) of MCDR 2017.

			inspection that the cumulative plantation figures under "Total no. of trees at the end of the year" under Part-V (5) of AR 2023-24 is not reported correctly.	
6f	v) Any other specific method of rehabilitation	No proposal	Nil	Nil
6g	vi) Cost incurred on watch & care during the year	Not mentioned	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D)	No proposal	Nil	Nil
6i	ii) Void filled by waste/tailings	No proposal	Nil	Nil
6j	iii) Afforestation on the backfilled area	No proposal	Nil	Nil
6k	iv) Rehabilitation by making water reservoir	No proposal	Nil	Nil
6l	v) Any other specific means	No proposal	Nil	Nil
6m	Compliance of Rehabilitation of waste land within lease i) Afforestation	No proposal	Nil	Nil
6n	ii) Area rehabilitated (ha)	No proposal	Nil	Nil
6o	iii) Method of rehabilitation	No proposal	Nil	Nil
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring proposed in core zone & buffer zone	Environmental monitoring is being carried out in both core & buffer zone for Air, Water, Noise as per the	Nil

			proposal. Environ mental monitori ng report of Feb- 24 verified during inspectio n. Paramete rs within limit.	
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	<p>i) It is observed during inspection that the details of Toe-wall, check dams is not reported correctly in attached Annual PMCP table of AR 2023-24. Violation issued under Rule 45(7) of MCDR 2017.</p> <p>ii) It is observed during inspection that the cumulative plantation figures under "Total no. of trees at the end of the year" under Part-V (5) of AR 2023-24 is not reported correctly. Violation issued under Rule 45(7) of MCDR 2017.</p> <p>iii) For the year 2023-24 a total plantation of 6000 nos. of plants at 2.072 ha is proposed at green belt location (N-165943, E-670883). However, only 0.74 ha with 1850 nos. of plantation carried out during the year as per the plantation figures reported in Annual return 2023-24. Violation issued under Rule 11(1) of MCDR 2017</p>		

Mineral Conservation: -

Sl. No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Only Crushing & Screening proposed	Crushing & screening carried out. ROM production- 6,998,607 tons. Graded ore production (Lumps + Fines)- 6,998,607 tons Graded ore Despatch-	Crusher-1800 TPH capacity. O/p Size 0 - 10 mm (Fines) 10-40 mm (Lumps). The Crusher details are not reported under Part V (6)-"Type of Machinery" of AR 2023-24. Violation issued under Rule 45(7)

			8,923,060 tons.	of MCDR 2017.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Only Dry crushing and screening proposed. Insitu ROM grade range 58-66 % Fe proposed.	Graded ore production grades Lumps: 58-60% Fe 60-62% Fe 62-65 % Fe 65 % & above Fe Fines: 51-55% Fe 55-58% Fe 58-60% Fe 60-62% Fe 62-65 % Fe 65 % & above Fe	Production grade as reported by Lessee in AR 2023-24.
7c	Different grade of mineral sorted out at mines	Only Dry crushing and screening proposed. Insitu ROM grade range 58-66 % Fe proposed.	Graded ore production grades Lumps: 58-60% Fe 60-62% Fe 62-65 % Fe 65 % & above Fe Fines: 51-55% Fe 55-58% Fe 58-60% Fe 60-62% Fe 62-65 % Fe 65 % & above Fe	Production grade as reported by Lessee in AR 2023-24.
7d	Any beneficiation process at mines	No proposal	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	i) Mineral conservation activities implemented inside mine as per proposal. ii) The Crusher details are not reported under Part V (6)-"Type of Machinery" of AR 2023-24. Violation issued under Rule 45(7) of MCDR 2017.		

Environment: -

Sl. No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil	No proposal	Nil	Nil

	(Rule 32)			
8b	Concurrent use or storage of topsoil	No proposal	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 36)	Separate dumps for OB proposed (AD-1 & AD-2)	Waste dumping at AD-2 dump carried out as per the proposal. Further it is observed from drone data and during inspection that waste dumping for the year 2023-24, for AD-1 dump is not carried at the earmarked location between section C-24 to C-25 as per proposal and also 10 m stages from 830 to 850 mRL are not maintained as per the proposal.	Violation issued under Rule 11(1) of MCDR 2017.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	No proposal	Nil	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not mentioned	2,24,600 as reported by the Lessee during inspection. It is observed during inspection that the cumulative plantation figures under "Total no. of trees at the end of the year" under Part-V (5) of AR 2023-24 is not reported correctly.	Violation issued under Rule 45(7) of MCDR 2017.
8g	Survival rate	85 % proposed.	85% survival rate achieved. For the	As reported by Lessee in AR 2023-24.

			<p>year 2023-24 a total plantation of 6000 nos. of plants at 2.072 ha is proposed at green belt location (N-165943, E-670883). However, only 0.74 ha with 1850 nos. of plantation carried out during the year as per the plantation figures reported in Annual return 2023-24</p>	Violation issued under Rule 11(1) of MCDR 2017.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed to control airborne dust.	Water sprinkling is carried out through 28 KL-1 no, 12KL- 3 nos., 10 KL- 1no and 9 KL-1 no. water sprinklers to control airborne dust.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	<p>i)The Aesthetic beauty in and around the mine looks good.</p> <p>ii) For the year 2023-24 a total plantation of 6000 nos. of plants at 2.072 ha is proposed at green belt location (N-165943, E-670883). However, only 0.74 ha with 1850 nos. of plantation carried out during the year as per the plantation figures reported in Annual return 2023-24. Violation issued under Rule 11(1) of MCDR 2017.</p> <p>iii) Further it is observed from drone data and during inspection that waste dumping for the year 2023-24, for AD-1 dump is not carried at the earmarked location between section C-24 to C-25 as per proposal and also 10 m stages from 830 to 850 mRL are not maintained as per the proposal. Violation issued under Rule 11(1) of MCDR 2017.</p> <p>iv) It is observed during inspection that the cumulative plantation figures under "Total no. of trees at the end of the year" under Part-V (5) of AR 2023-24 is not reported correctly. Violation issued under Rule 45(7) of MCDR 2017.</p>		
Compliance of Rule 45: -				
Sl. No	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	<p>Monthly Returns Submitted up to Oct, 2024 on 07.11.2024</p> <p>Annual Return submitted up to 2023-24 on 11.06.2024</p>		Submitted within timeline.

Sl. No.	Item	Details GIVEN in A.R. 2023-24	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Shri. Phool Singh Dhruw Geologist: Shri. Varchaswi Kaushal Manager: Shri Randhir Kumar	Appears to be correct	Mine Manager, Mining Engineer and Geologist present on date of inspection.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	-Covered under current Open cast workings: 127.89 Ha -Used for waste disposal: 18.329 Ha -Occupied by plant, buildings, residential, welfare buildings & roads: 19.38 Ha	Appears to be correct	Nil
9d	Scrutiny of Annual return on afforestation	Within ML-1850 nos. saplings @ 85 % survival rate, Cumulative- 1573 nos. of saplings.	It is observed during inspection that the cumulative plantation figures under "Total no. of trees at the end of the year" under Part-V (5) of AR 2023-24 is not reported correctly. Violation issued under Rule 45(7) of MCDR 2017.	Violation issued under Rule 45(7) of MCDR 2017.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Appears to be correct	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: O/s -146,803.8 Tons, production -6,998,607.24 tons, C/s -146,803.8 ton Graded Ore (Lumps + Fines) O/s- 2,087,167.773 tons Production-6,998,607.24 tons Despatch-,8,923,060.550 tons C/s- 162,714.463 tons.	Appears to be correct.	Nil
9g	Scrutiny of Annual return on sale value, Ex.	Ex Mine Price: Lumps:	i) Part-VI (Production,	Non captive mine.

	<p>Mine price & production cost</p>	<p>55-58 %- Rs 3219.80/ton 58-60 %- Rs. 4338.55/ton 60-62 %- Rs. 4762.90/ton 62-65 %- Rs. 4557.74/ton 65 % and above- Rs. 4991.66/ton Fines: 51 -55- Rs. 2365.44/ton 55-58 %- Rs. 2740.11/ton 58-60 %- Rs. 3202.03/ton 60-62 %- Rs. 3576.51/ton 62-65 %- Rs. 4236.54/ton 65 % and above- Rs. 4083.17/ton Cost of production: Rs. 2302.07/ton</p>	<p>Despatches and stocks): i) The Ex-mine price in Part-VI (3ii) (i) for 60-62 % Fe lumps & in Part-Vi (3ii) (ii) for 62-65 % Fe fines have not been reported correctly as per the corresponding sales/dispatches quantity & sale value for the particular grade as reported in Section-5. ii)The sale for 62-65 % Fe fines of total quantity 352071.89 tons with sale value of Rs. 1632646192 to NMDC Limited is between related parties and is not on arms' length basis but same has been mentioned under Domestic Sale in "nature of Despatch" in Section-5.</p> <p>ii) Part-VII (Cost of Production): The cost of production per tonne under the para is not reported correctly since there is error in reported exploration cost per ton, Depreciation cost per ton, Royalty, DMF & NMET cost per ton.</p> <p>iii) Part-III (Consumption of Materials)- The Royalty, DMF and NMET figures as reported under the para is not matching with the reported Royalty, DMF and</p>	<p>Violation issued under Rule 45(7) of MCDR 2017.</p>
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			<p>NMET cost per ton as reported later in Part-VII (cost of production) considering the reported figures of this para & the reported despatch quantity of Part VI(3(ii)).</p> <p>iv) The expenditure on exploration as reported in this para is not matching with the exploration cost per ton as reported later in Part-VII (Cost of Production).</p>	
9i	Scrutiny of Annual return on fixed assets	Rs. 4935734397 including Land, Industrial and plant and machinery.	Part-II A (Capital Structure): The total depreciation during the year as reported under the para is not matching with the depreciation cost/ton as reported in Part VII (Cost of production).	Violation issued under Rule 45(7) of MCDR 2017.
9k	Scrutiny of Annual return on mining machineries	<p>Excavator- 31 nos. (1.1 Cum, 1.3 Cum, 1.5 Cum, 1.6 Cum, 1.9 Cum, 2.1 Cum, 2.5 Cum, 4.3 Cum).</p> <p>Tipper- 110 nos. (14 & 16 Cum)</p> <p>Wheel loader-18 nos. (1.6 Cum, 1.7 Cum, 2 Cum, 2.5 Cum, 2.7 Cum, 3.8 Cum & 4.2 Cum)</p> <p>Water Tanker – 6 nos. (28 KL- 1no., 9 KL-1 no, 10 KL-1 no., 12 KL-3 nos.)</p> <p>Dozer: 1 no. (410 HP)</p> <p>Dumper- 2nos. (100 tons).</p>	The Crusher details are not reported under Part V (6)-"Type of Machinery". Also, the capacity of the drill is not reported correctly	Violation issued under Rule 45(7) of MCDR 2017.

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
11(1)	17/12/2024	24/02/2025	45(7)	17/12/2024	27/01/2025

संदीप कुमार सिंह. /Sandeep Kumar Singh)
वरिष्ठ सहायक खान नियंत्रक/ Senior Assistant Controller of Mines