

MCDR INSPECTION REPORT FOR THE PERIOD OF 2023-24

1) Name of Inspecting officer:	Mr. Vikrant Khedikar
2) Designation	Senior Assistant controller of mines
3) Accompanying mine official with designation	Shri. C.N. Kumar, DGM (Mining) Dr. T.C. Ananda, DGM (Geo) Shri. Tanveer Zafar, AGM (Geo) Shri. R.K. Nandkeyolar, AGM (Survey)
4) Date of Inspection	14/02/2025

Sl. No.	Particulars	Details
1.	Name of the Mines	Topailore Mines, BSL, M/s SAIL.
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest Land –14.15 Ha. Non-Forest Land-0.00 Total Lease Area- 14.15 (Ha)
3.	Mine code	30JHK18007
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5662/2011
5	Name of the lessee, Address, Phone, email and fax number	Steel Authority Of India Limited Sail, ADM Building Ispat Bhawan Bokaro Steel Plant SAIL Bokaro Steel City Bokaro Jharkhand 827001. bsl.director@sail.in , 8986870216
6	Village	Gua
7	Taluka	Jagannathpur
8	District	West Singhbhum
9	Pin code	833213
10	State	Jharkhand
11	Post Office	Gua
12	Nearest Police Station	Gua
13	Nearest Railway station	Gua
14	Date of Grant of Mining Lease	09/03/1970 for 30 Years.
15	Date of Execution	09.03.1970
16	Date of Opening of Mine	09.03.1970
17	Date of First Renewal, if applicable and its period & expiry	1. First Renewal application submitted on 04.03.1999 for extension 10.03.2000 to 09.03.2020 for 20 years. 2. As per Mineral (Mining by Govt. Company) Rules, 2015 lease extended upto 31.03.2020.
18	Date of second Renewal, if applicable and its period & expiry	1. Second Renewal application submitted on 23.10.2019, for extension upto 08.03.2040. 2. As per Mineral (Mining by Govt. Company) Rules, 2015, lease extended upto 08.03.2040 for 20 years. Lease deed executed on 17.01.2020.
19	Date of submission of renewal application if Mining operations are continuing under deemed extension	23.10.2019 (application submitted for 2rd renewal application)
20	Name of the Nominated Owner with Address, phone, email ,fax number and date of appointment	Birendra Kumar Tiwari Director in Charge, Bokaro Steel Plant, Bokaro, M/s. SAIL Jharkhand, PIN-827001 Contact No. 8895500173 Date of Appointment: 20.04.2024 Email: bsl.director@sail.in

21	Name of the Mine Agent with Address, phone email, fax number and date appointment in mines.	Kamal Bhaskar Chief General Manager (Mines) Gua Ore Mines, PO- Gua, West Singhbhum, Jharkhand-833213 Ph. No.8986881568/06596- Date of Appointment: 21.07.2023 Email: kamalbhasker@sail.in
22	Name of the Mines Manager with Address, Phone, email, fax number and date of appointment	S. P. Das Mines Manager, GM (Mines & E&L) Gua Ore Mines, PO- Gua West Singhbhum, Jharkhand- 833213 Ph. No. 9477702013 Date of Appointment: 16.09.2019 Email: dassankarprasad@gmail.com
23	Name of the mining engineer, qualification and total experience with Address, phone, email, fax number and date of appointment in Mines.	C. N. Kumar DGM (Min), AIME (Min.). Appointment: May-2008 Email: dgmguamines@gmail.com
24	Whether Geologist and Mining Engineer appointed in Mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes, Tanveer Zafar, AGM (Geo) Appointment: 31.08.2009 Email: tzafar@sail.in
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	1. Approved Review of Mining Plan for Plan Period 2022-23 to 2026-27 vide letter no. RAN/WSB/Fe/MP-17/2021-22 dated: 22.12.2021 2. Approved Modification of Mining Plan for Plan Period 2023 to 2027 vide letter no. RAN/WSB/Mn-Fe/MP-5/2023-24 dated: 05.09.2023, from 01/04/2023 to 31/03/2027
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	1. Approved Review of Mining Plan for Plan Period 2020-21 to 2024-25 vide letter no. RAN/WSB/Fe/MP-17/2/2021-22 dated: 22.12.2021. From 01/04/2022 to 31/03/2027 2. RAN/WSB/Fe/MP-14/2/2019-20 dated: 26.12.2019. From 01/04/2017 to 31/03/2022 (modification) 3. 314(3)/2006-MCCM(C) /MP-17, Dated: 26/04/2007, From 01/04/2007 to 31/03/2012.
27	Mineral(s) granted in lease and proved for mining	Iron Ore
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/Non Captive	Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Sr.NO	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	Nil	Nil	

1b	Exploration over lease area for Geological axis 1 or 2.	10 Nos	Nil	Mining operation did not carry out due to non-availability of statutory permission.
1c	Exploration Agency & Expenditure in lakhs Rupee during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2024	11.67 MT	11.67 MT (As per Lessee)	
1f	General remarks of inspecting officer on geology, exploration etc.	Drone Data Analysis of Topailore (Gua) Iron ore Mine over an area of 14.15 ha, for volumetric changes in inventory of iron ore deposited from adjacent lease in this lease sent to state government and Lessee for clarification vide letter no : - MCDR-MiFLOFE/3/2023-RCH-IBM_EZ, dated 25/02/2025. Modification of Mining Plan was submitted dated 29/01/2025, which was disapproved from this office dated 17/03/2025. Mining operation did not carry out due to non-availability of statutory permissions.		

Development

Sr.NO	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t lease area	Nil	Nil	Mining operation did not carry out due to non-availability of statutory permissions.
2b	Separate benches in top soil, overburden and mineral (Rule 15)	Nil	Nil	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	Nil	Nil	
2f	General remarks of inspecting officer on development etc.	Mining operation did not carry out due to non- availability of statutory permissions.		

Exploitation

Sr.NO	Item	Proposal (2023-24)	Actual Work(2023-24)	Remarks
3a	Number of pits proposal for production	Nil	Nil	Mining operation did not carry out due to non-availability of statutory permissions.
3b	Quantity of ROM mineral production proposed	Nil	Nil	

3c	Recovery of salable/usable mineral from ROM production	Nil	Nil			Mining operation did not carry out due to non-availability of statutory permissions.
3d	Quantity of mineral reject generation	Nil	Nil			
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil			
3f	Quantity of sub-grade mineral generation	Nil	Nil			
3g	Grade of sub-grade mineral generation	Nil	Nil			
3h	Manual/Mechanized method adopted for segregating from ROM	Nil	Nil			
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	Nil	Nil			
3k	Provision of mining machineries in mineral benches	Nil	Nil			
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Nil	Nil			
3m	Total area covered under excavation/pits	Nil	Nil			
3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil			
3o	Total area put in use under different heads at the end of year	Nil	Nil			
3p	Production of ROM mineral during last five-year period, as applicable	2019- 20	0	2019-20	0	Mining operation did not carry out due to non-availability of statutory permissions.
		2020-21	0	2020-21	0	
		2021-22	0	2021-22	0	
		2022-23	0	2022-23	0	
		2023-24	0	2023-24	0	
3q	General remarks of inspecting officer on method of mining etc.	Mining operation did not carry out due to non- availability of statutory permissions.				

Solid Waste Management-Dumping

Sr.NO	Item	Proposal (2023-24)	Actual Work (2023-24)	Remarks
4a.	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Nil	Nil	Mining operation did not carry out due to non-availability of statutory permissions.
4b	Location of topsoil, & OB & mineral reject dumps (Give coordinates with mRL)	Nil	Nil	
4c	Number of dumps within lease area and outside lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of active & alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilized	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	Mining operation did not carry out due to non- availability of statutory permissions..		

Solid Waste Management-Backfilling

Sr.NO	Item	Proposal (2023-24)	Actual Work (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	Mining operation did not carry out due to non-availability of statutory permissions.
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 35)	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Mining operation did not carry out due to non- availability of statutory permissions.		

Progressive Mine Closure Plan

Sr.NO	Item	Proposal(2023-24)	Actual Work(2023-24)	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	Yes	Yes	Online submission of monthly and annual returns has been done

6b	<p>Management of worked/mined out benches</p> <p>i) Area available for rehabilitation (ha)</p> <p>ii) Afforestation done (ha)</p> <p>iii) No. of sapling planted during the year</p> <p>iv) Cumulative no. of plants</p> <p>v) Any other specific method of rehabilitation</p> <p>vi) Cost incurred on watch & care during the year</p>	<p>Nil</p> <p>0.06 Ha</p> <p>50</p> <p>150</p> <p>Nil</p> <p>20000/-</p>	<p>Nil</p> <p>0.067 Ha</p> <p>50</p> <p>150</p> <p>Nil</p> <p>20000/-</p>	<p>Mining operation did not carry out due to non-availability of statutory permissions.</p>
6c	<p>Compliance on reclamation and rehabilitation by back filling</p> <p>i) Voids available for backfilling (LxBxD)</p> <p>ii) Void filled by waste/tailings</p> <p>iii) Afforestation on the backfilled area</p> <p>iv) Rehabilitation by making water reservoir</p> <p>v) Any other specific means</p>	<p>Nil</p>	<p>Nil</p>	<p>Mining operation did not carry out due to non-availability of statutory permissions.</p>
6d	<p>Compliance of Rehabilitation of waste land within lease</p> <p>i) Afforestation</p> <p>ii) Area rehabilitated (ha)</p> <p>iii) Method of rehabilitation</p>	<p>Nil</p>	<p>Nil</p>	<p>Mining operation did not carry out due to non-availability of statutory permissions.</p>
6e	<p>Compliance of Environmental monitoring (core zone & buffer zone)</p>	<p>Yes Air Quality-03 Water Quality-04 Noise Level-04 Sewage /Trade Effluent-02</p>	<p>Yes Air Quality-03 Water Quality-04 Noise Level-04 Sewage /Trade Effluent-02</p>	<p>As per JSPCB quarterly and internal monthly monitoring reports.</p>

6f	General remarks of inspecting & progressive closure operations.	Mining operation did not carry out due to non- availability of statutory permissions.
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Mineral Conservation

Sr.NO	Item	Proposal (2023-24)	Actual Work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	Mining operation did not carry out due to non-availability of statutory permissions.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Nil	Nil	
7c	Different grade of mineral sorted out at mines	Nil	Nil	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mining operation did not carry out due to non- availability of statutory permissions.		

Environment

Sr.NO	Item	Proposal (2023-24)	Actual Work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	Mining operation did not carry out due to non-availability of statutory permissions.
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	Nil	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 42)	Yes	Yes	
8g	Survival rate	70 %	70 %	
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area.	Mining operation did not carry out due to non- availability of statutory permissions.		

Compliance of Rule 45

Sr.NO	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and	Monthly return submitted upto this Month.	Annual Returns

Sr.NO.	Item			Submitted for the Year 2023-24.	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: C.N. Kumar Geologist: Tanveer Zafar Manager: S.P. Das	Mining Engineer: C.N. Kumar Geologist: Tanveer Zafar Manager: S.P. Das		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 0.00 Ha. Dump: 0.0 Ha. Infrastructure: 0.644 Ha. Others (storage area): 13.506 Ha. Total: 14.15 Ha.	Pit: 0.00 Ha. Dump: 0.0 Ha. Infrastructure: 0.644 Ha. Others (storage area): 13.506 Ha. Total: 14.15 Ha.		
9d	Scrutiny of Annual return on Afforestation.	100	50		
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil		Mining operation did not carry out due to non-availability of statutory permissions.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil		Mining operation did not carry out due to non-availability of statutory permissions.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost.	Nil	Nil		Mining operation did not carry out due to non-availability of statutory permissions.
9h	Scrutiny of Annual return on fixed assets	Rs. 2375056156/-			
9i	Scrutiny of Annual return on mining machineries	Nil	Nil		Mining operation did not carry out due to non-availability of statutory permissions.

Details of violations observed during current inspection and compliance position of violation pointed – Nil (Mining operation did not carry out due to non- availability of statutory permissions).

Date: 01/05/2025

Vikrant M. Khedikar
Sr. Assistant Controller of Mines,
Indian Bureau of Mines, Ranchi,
(Name of inspecting officer with designation and date)