

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	1. Smt. Sujata Suman, AGM (Materials), SAIL. 2. Shri Tanveer Zafar, AGM (Geology), SAIL
4) Date of Inspection	07/10/2024

Sl. No.	Particulars	Details
1.	Name of the Mines	Gua (Jhillingburu- II lease) Manganese Mine.
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease area :- 30.43 Ha Forest land: - 30.43 Ha (Ghatkuri Reserve Forest)
3.	Mine code	40JHK18001
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	
14	Date of Grant of Mining Lease	12/05/1950 for 30 Years, 07/05/1979 (for 30 Years), 05/05/2009 for 20 Years.
15	Date of Execution	1. 18/03/2015 to 31/03/2020 (Sec8A (8) of MMDR amendment Act'2015. 2. 12/05/2020 to 11/05/2040 (Lease deed execution – 07/03/2019
16	Date of Opening of Mine	1961 (Manual mining before independence of India)
17	Date of First Renewal, if applicable and its period & expiry	12.05.2000 - 11.05.2020 for 20 years (MMGC Rule 2015)
18	Date of second Renewal, if applicable and its period & expiry	12.05.2020 - 11.05.2040 for 20 years (MMGC Rule 2015).
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	Birendra Kumar Tiwari 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	Director
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.	Approval of Review of MiningPlan:03/01/2020 Plan period 2020-21-2024-25. Letter no - RAN/WSB/Mn Fe/MP-16/2019-20	
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. Mining Plan, 314(3)/2012-MCCM(C Z)/MP-5/28, 01/04/2010 – 31/03/2015. 2. Scheme of mining - Kol/SB(W) Fe &Mn /MP 426, 04/09/2015 – 01/042015. 3. Review of Mining Plan - RAN/WSB/Mn Fe/MP-16/2019-20, 01/04/2020 – 31/03/2025	
27	Mineral(s) granted in lease and proved for mining	Manganese	
28	Method of Mining(Opencast, Underground)	Opencast	
29	Category (Fully Mechanized, Others or Manual)	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.	Nil	Nil	Total 880.0 meterage of core drilling exploration has been done in Block A, Block-B and Block-C. Block-B is explored entirely at G-1 level; however, block A & C are partially explored. Total 14.60 Ha areas have been explored at G-1 level.
1c	Exploration Agency & Expenditure in lakhs Rupee during the year	Nil	Nil	Exploration agency was M/s. GEMCO KATI, Maharashtra and total expenditure of Rs. 59.47 Lakhs has been occurred. Exploration was carried out from 05.03.2024 to 06.06.2024.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2024	NA	111 – 262056 tones	Resource has been estimated based on 20 no of boreholes drilled in year 2024.
1f	General remarks of inspecting officer on geology, exploration etc.			Resource and Reserve has been estimated based on 20 no of boreholes drilled in year 2024

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. (Forest clearance).		

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. (Forest clearance).
3b	Quantity of ROM mineral production proposed	Nil	Nil	
3c	Recovery of salable/usable mineral from ROM production	Nil	Nil	
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. (Forest clearance).
		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. (Forest clearance).				

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. (Forest clearance).
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	Nil	Nil	Mining operation did not carry out due to non-availability of statutory permissions. (Forest clearance).

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. (Forest clearance).
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. (Forest clearance).		

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	MTS portal for filling monthly and annual returns w.r.t Jhillingburu-II lease has been deactivated. Hence, same have been communicated for early rectification.
6b	Management of worked/mined out benches			Plantation during the plan period 2020-21 to 2024-25 is proposed for 1000 nos. of plant. Mining operation did not carry out due to non-availability of statutory permissions. (Forest clearance).
	i) Area available for rehabilitation (ha)	Nil	Nil	
	ii) Afforestation done (ha)	1.0 Ha	0.05 Ha	
	iii) No. of sapling planted during the year	200	150	
	iv) Cumulative no. of plants	1000	650	
	v) Any other specific method of rehabilitation	Nil	Nil	
	vi) Cost incurred on watch & care during the year	50000/-	100000/-	

6c	Compliance on reclamation and rehabilitation by back filling i) Voids available for backfilling (LxBxD) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Nil	Nil	Mining operation did not carry out due to non-availability of statutory permissions. (Forest clearance).
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes Air Quality-03 Water Quality-04 Noise Level-04 Sewage /Trade Effluent-02	Yes Air Quality-03 Water Quality-04 Noise Level-04 Sewage /Trade Effluent-02	As per JSPCB quarterly and internal monthly monitoring reports.
6f	General remarks of inspecting & progressive closure operations.	Mining operation did not carry out due to non- availability of statutory permissions. (Forest clearance).		

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. (Forest clearance).
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	Mining operation did not carry out due to non- availability of statutory		

on Mineral conservation & permissions. (Forest clearance). beneficiation issues
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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. (Forest clearance).
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	75 %	75 %	
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. (Forest clearance).		

Compliance of Rule 45

Sr.NO	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns			Annual Returns Submitted for the Year 2023-24.
Sr.NO.	Item			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: 2.0 Ha. Dump: 0.77 Ha. Infrastructure: 3.62 Ha. Green Belt: 0.83 Ha. Total: 7.22 Ha.	Pit: 2.0 Ha. Dump: 0.77 Ha. Infrastructure: 3.62 Ha. Green Belt: 0.83 Ha. Total: 7.22 Ha.	

9d	Scrutiny of Annual return on Afforestation.	200	150	
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. (Forest clearance).
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. (Forest clearance).
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. (Forest clearance).
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. (Forest clearance).

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. (Forest - clearance).

Date: 29/10/2024

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