

INDIAN BUREAU OF MINES

--:-- Inspection Report --:--

Part-I : General Information

1.1.1 Mine Details

Name of the Mine :	40ORI08019	Lease Area (Ha) :	1437.719
Forest Area (Ha) :	437	Mine Code :	40ORI08019
Registration Number :	IBM/4376/2011	Name of lessee :	Tata Steel Limited
Address of lessee :	Bombay House,24 Homi Mody ,street Fort,, Mumbai	Phone of lessee :	022-66658282
Email of lessee :	Gm.office@tatasteel.com	Fax Number :	N/A
Village :	Joda	Taluka / Mandal :	Bamebari
District :	Kendujhar	Pincode :	400001
State :	Odisha	Post Office :	N/A
Nearest Police Station :	N/A	Nearest Railway Station :	N/A
Date of Grant of Mining Lease :	2015-05-07	Date of Mining Lease Execution :	2015-05-06
Date of opening in the mine :	Nilsss		

Nominated Owner Details			
Name of the Nominated Owner :	Mr THACHAT VISWANATH NARENDRAN	Nominated Owner Address:	Bungalow No. 5, C Road, Northern Town, Jamshedpur
Nominated Owner Mobile :	6572424602	Nominated Owner Email :	Narendran@tatasteel.com
Nominated Owner Fax Number :	Nil	Date of Nominated Owner Appointment :	2013-11-01
Mining Engineer Details			
Name of the Mining Engineer :	Shri Dibyendu Behera	Qualification of Mining Engineer :	BTech
Address of Mining Engineer :	Joda West Iron And Manganese Mine, At/PO- Bichhakundi, Via-Joda, Dist- Keonjhar, Odisha-758034	Phone of Mining Engineer :	7077686456
Email of Mining Engineer :	Dibyendu.behera@tatasteel.com	Fax Number of Mining Engineer :	54545
Date of Mining Engineer Appointment :	2025-05-14		
Geologist Details			
Name of the Geologist :	Ajoy Kumar Nandi	Qualification of Geologist :	M. Tech. (Geo-Exploration)
Address of Geologist :	Joda West Iron And Manganese Mine, At/PO- Bichhakundi, Via-Joda, Dist- Keonjhar, Odisha-758034	Phone of Geologist :	9608016260
Email of Geologist :	Ajaykr.nandi@tatasteel.com	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2024-06-01		
Mine Manager Details			
Name of the Mine Manager :	Saptharshi Datta	Qualification of Mine Manager :	B. Tech (Mining)

Address of Mine Manger :	Joda West Iron And Manganese Mine, At/PO- Bichhakundi, Via-Joda, Dist- Keonjhar, Odisha-758034	Phone of Mine Manger :	8114384791
Email of Mine Manger :	Saptharshi.datta@tatasteel.com	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	2024-08-23		
Mineral(s) granted in lease and proved for mining :	IRON ORE,MANGANESE ORE	Date of Approval of Mining Plan / Modified Mining Plan / ROMP with five-year period :	2023-03-28 (2023 - 2027)
Method of mining :	Open Cast	Category :	MECHANISED
Nature of Use :	Captive		

Part-II : Other Information

2.1.1 : Inspection Details

Inspecting Officer :	VIKRAM DESHPANDE
Designation :	ACOM
Name of the Accompanying Official from Mine :	Saptharshi Datta
Designation of the Accompanying Official :	Mines Manager
Type of Inspection :	MCDR
Date of Inspection :	29/07/2025
Review year considered for MCDR Inspection :	2024-2025

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2.2.1 : Exploration Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File	
1	Number of Core Boreholes	0	42	-42.000	No Violation	Backlog of Previous year	Nil	
2	Number of DTH Boreholes	0	66	-66.000	No Violation	Backlog of Previous year	Nil	
3	Number of exploratory pits / trial pits	0	0	0.000	No Violation	Nil	Nil	
4	Number of exploratory Trenches	0	0	0.000	No Violation	Nil	Nil	
5	Lateral exploration status for the lease area	G1	0	17.14	-17.140	No Violation	Total lease status as on 01-04-2025: G1: 375.021 Ha G2: 240.114 Ha	Nil
6		G2	0	6.48	6.480	No Violation	Total lease status as on 01-04-2025: G1: 375.021 Ha G2: 240.114 Ha Complete area not covered under G-1 within 5 years. However violation of Rule 12(4) not issued as lessee has informed that FC is under process.	Nil
7		G3	0.00	0	0.000	No Violation	Nil	Nil

8		G4	0	0	0.000	No Violation	Nil	Nil
9	UNFC category wise reported Resources/Reserves as per MP/MMP ROMP Total Reserves (111, 121 & 122) and Total Mineral Resources (331, 332 & 333 upto 334)	MANGANESE ORE - Total Reserve 3,056,803.00, Total Resource 6,283,229.00 ironore - Total Reserve 57,217,962.00 , Total Resource 18,414,326.00 Figures as on 31/03/2024	MANGANESE ORE - Total Reserve 2,882,870.00 Total Resource 6,283,229.00 IronOre - Total Reserve 57,075,325.00, Total Resource 18,414,326.00 Figures as on 31/03/2025	0		No Violation	Nil	Nil

2.3.1 : Development - Opencast Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Location of development w.r.t. lease area	Pit : Mn.Ore - Gangaigora & Direction : All Direction, Pit : Mn.Ore - Gangaigora & Direction : All Direction, Pit : Mn.Ore - Gangaigora & Direction : All	Pit : Mn.Ore - Gangaigora & Direction : All Direction, Pit : Mn.Ore - Gangaigora & Direction : All Direction, Pit : Mn.Ore - Gangaigora & Direction : All	0	No Violation	Nil	Nil

2	Quantity of overburden generation in m3	3474295.00	1909267.55	1565027.450	No Violation	No violation issued as violation of 11(1) issued for less production thus less land degradation. Further, EC for Iron Not Available.	Nil
3	Quantity of topsoil generation in m3	2880.00	1927	953.000	No Violation	No violation issued as violation of 11(1) issued for less production thus less land degradation.	Nil
4	Stripping ratio : ore to OB ratio	1 : 5.68	1: 12.06	6.38	No Violation	Ore & OB Ratio increased due to less excavation of in-situ Iron Ore Mineral Rejects from the Mn. Ore Pits due to absence of statutory clearances.	Nil

2.4.1 Exploitation - Opencast Mine Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of pits / Blocks proposed for production	03	02	1.000	No Violation	EC Not Available for Iron.	Nil
2	Quantity of ROM mineral production proposed (in T)	2319698.79	173933	2145765.790	Rule 11(1)	EC Not Available for Iron.	Nil
3	Recovery of salable/usable mineral quantity from ROM production in T)	1191029.17	1191029.17	0.000	No Violation	EC Not Available for Iron.	Nil
4	Quantity of mineral reject/Sub-grade generation	1128669.62	161547	967122.620	No Violation	Total Generation = 29345.984 Tonnes 10435.980 Tonnes blended and booked in category of >25 % Mn. EC Not Available for Iron. Violation for 11(1) for less production issued.	Nil
5	Grade of mineral reject/sub-grade generation as per threshold value declared	Threshold Value Mn. Ore Mn 10% Iron Ore Fe 45% Mn Ore Mn Content 10-25% Iron Ore Fe Content 45-58%	Threshold Value Mn. Ore Mn 10% Iron Ore Fe 45% Mn Ore Mn Content 10-25% Iron Ore Fe Content 45-58%	0	No Violation	Iron Ore (MR) - In-situ excavation Concurrent to development of Mn. Ore Pits.	Nil
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	Manual for Mn and Mechanised for Iron	Manual for Mn	0	No Violation	No EC for Iron	Nil
7	Whether height of benches in Overburden & mineral suitable for method of mining proposed in mining	Bench Height: 6-8 m Bench Width: 8-10 m	Maintained	0	No Violation	Nil	Nil

	plan						
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Not Carried out	Nil	No Violation	Nil	Nil

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2.4.3 : Exploitation - Dump Working Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of dumps proposed for production	Total number of dumps : 3 Dump ID : D1, D8 and Backfilling in H Quarry	Total number of dumps : 2 Dump ID : D1, D8	1	No Violation	Violation of Rule 11(1) issued for not carrying out backfilling	Nil
2	Quantity of dump material handling Proposed (in Tonne)	110000.00	85684	24316.000	No Violation	Due to under estimation of old mineral reject stack due to uneven ground	Nil
3	Recovery of salable/usable mineral from dump production (in Tonne)	0.00	0	0.000	No Violation	Nil	Nil
4	Production from dump(s) during the year	0.00	0	0.000	No Violation	Nil	Nil
5	Quantity of mineral reject generation	0	0	0.000	No Violation	Nil	Nil
6	Grade of mineral reject generation and threshold value declared	0	0	0.000	No Violation	Nil	Nil
7	Any analysis or beneficiation study proposed & carried out for mineral reject	Not Proposed	Not Done	0	No Violation	Nil	Nil
8	Manual / Mechanized method adopted for dump working	Mechanized method proposed for dump working	Mechanized method adopted for dump working	0	No Violation	Nil	Nil

2.5.1 : OB/Waste Dumps Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Separate dumping of topsoil, OB & mineral rejects, fines, tailings (Rule 36,37)	Nil	Nil	Nil	Nil	Nil	Nil
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	Nil	Nil	Nil	Nil	Nil	Nil
3	Number of active & Inative dumps	Nil	Nil	Nil	Nil	Nil	Nil
4	Number of dead dumps	Nil	Nil	Nil	Nil	Nil	Nil
5	Number of dumps proposed for stabilished	Nil	Nil	Nil	Nil	Nil	Nil
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	Nil	Nil	Nil	Nil	Nil	Nil

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2.6.1 : Solid Waste Management - Backfilling (Opencast) Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Status on part or full extraction of mineral from mined out area before starting backfilling	4.21	4.21	0.000	No Violation	Nil	Nil
2	Year-wise area under backfilling of mined out area	4.76	0	4.760	Rule 11(1)	Nil	Nil
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	Generated :2880.00 Utilized :2880.00 Stored :0.00	1927	953	No Violation	Less generation due to less degradation	Nil
4	Total area fully reclaimed & rehabilitated	13.150	13.15	0.000	No Violation	Nil	Nil
5	Locations of proposed reclamation & rehabilitated	0	0	0.000	No Violation	Nil	Nil

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2.7.1 : Progressive Mine Closure Plan (PMCP) Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Compliance on reclamation and rehabilitation by backfilling/Other means Total area and numbers of plantation proposed.	Plantation : Location :Waste Dump D8, Area : 2.00, No. of Plant : 5000 Plantation : Location :Waste Dump D8, Area : 2.50, No. of Plant : 6250 Pit ID : H Quarry, Area : 47600.00	7515	51335	No Violation	Less plantation due to non-availability of mature slope on account of less development at H Quarry.	Nil
2	Rehabilitation by making water reservoir	0	0	0.000	No Violation	Nil	Nil
3	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	0	0	0.000	No Violation	Nil	Nil
4	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring of Air, Noise, water proposed.	Monitoring of Air, Noise, water proposed.	0	No Violation	Nil	Nil

2.8.1 : Mineral Conservation Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	ROM Mineral dispatch or grade-wise sorting within lease area	Manual sorting activities of Manganese Ore proposed	Manual sorting activities of Manganese Ore carried out.	0	No Violation	Nil	Nil
2	Different grade of mineral sorted out at mines	Chemical Grade - (Mn> 48% & Fe< 4%) (+10 -75mm, +6 -25mm, -10mm) High Grade - (Mn>46%) (+10 -75mm, +6 -25mm, -10mm) Medium Grade - (Mn>35% & Mn< 46%) (+10 -75mm, +6 -25mm, -10mm) Low Grade - (Mn >25% & < 35%) (+10 -75mm, +6 -25mm, -10mm) Sub Grade / MR- (Mn> 10% & Mn < 25%) (All Size)	Chemical Grade - (Mn> 48% & Fe< 4%) (+10 -75mm, +6 -25mm, -10mm) High Grade - (Mn>46%) (+10 -75mm, +6 -25mm, -10mm) Medium Grade - (Mn>35% & Mn< 46%) (+10 -75mm, +6 -25mm, -10mm) Low Grade - (Mn >25% & < 35%) (+10 -75mm, +6 -25mm, -10mm) Sub Grade/MR- (Mn> 10% & Mn < 25%) (All Size)	0	No Violation	Nil	Nil
3	Any beneficiation process at mines	Not Proposed	Not Carried Out	0	No Violation	Nil	Nil
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	0	10435.980	-10435.980	No Violation	Nil	Nil

2.9.1 : Environment Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Separate removal and utilization of topsoil	Proposed	Carried out	0	No Violation	Nil	Nil
2	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	0	0	0.000	No Violation	Nil	Nil
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0	0	0.000	No Violation	Nil	Nil
4	Plantation & Survival rate	Plantation : 5000, Survial Rate : 85	7515, 93%	0	No Violation	Nil	Nil
5	Water sprinkling on roads to control airborne dust	Proposed	Carried Out	0	No Violation	Nil	Nil

2.10 : Annual Return Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Submission of Online Monthly and	Last Annual	Submitted within	0	No Violation	Nil	Nil

	Annual returns in prescribed period or not	Returns : No, Last Monthly Returns : Yes - July 2025 - Submitted on : 2025-08-08	time frame				
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	Manager Mr. Saptharshi Datta Mining Engineer Mr. Dibyendu Behera Geologist Mr. Ajoy Kumar Nandi	Manager Mr. Saptharshi Datta Mining Engineer Mr. Dibyendu Behera Geologist Mr. Ajoy Kumar Nandi	0	No Violation	AR-2024-25	Nil
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	Yes incomplete submitted	3. Employment and salary-wages paid the No. of days worked during the year have been furnished as 309 for below ground workings as well as for above ground workings.	3. Employment and salary-wages paid the No. of days worked during the year have been furnished as 309 for below ground workings as well as for above ground workings.	Rule 45(7)	Nil	Nil
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	0	0	0.000	No Violation	Nil	Nil
5	Notices and Returns for the lease area submitted or not where fine applicable	Submitted	Submitted	0	No Violation	Nil	Nil
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine Price and Cost of Production-Rs 5873.28	Appears to be in order	0	No Violation	Nil	Nil

2.11 : SDF Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Start Ratings accorded for mine during last 3 years	Year of Submission : 2023-2024 , Rating : 4 Stars	4 Star	0	No Violation	Nil	Nil

Part-III : Other Reports**3.1.1 : Upload Other Reports**

S.N.	Reports File	Remark File Description
1	Signed VL Joda West Tata Steel.pdf	Nil

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Part-IV : Summary Details

4.1 : Summary of Violations

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Exploitation - Opencast Mine : Quantity of ROM mineral production proposed (in T)	2319698.79	173933	2145765.790	Rule 11(1)	EC Not Available for Iron.	Nil
2	Solid Waste Management - Backfilling (Opencast) : Year-wise area under backfilling of mined out area	4.76	0	4.760	Rule 11(1)	Nil	Nil
3	Annual Return : Whether incomplete or false or wrong returns submitted (Rule 45(7))	Yes incomplete submitted	3. Employment and salary-wages paid the No. of days worked during the year have been furnished as 309 for below ground workings as well as for above ground workings.	3. Employment and salary-wages paid the No. of days worked during the year have been furnished as 309 for below ground workings as well as for above ground workings.	Rule 45(7)	Nil	Nil

Esigned by:  VIKRAM DESHPANDE
Date: 24/08/2025 05:33:01 PM