

# INDIAN BUREAU OF MINES

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

### Part-I : General Information

#### 1.1.1 Mine Details

Name of the Mine :	KATAMATI	Lease Area (Ha) :	403.3238
Forest Area (Ha) :	360	Mine Code :	30ORI08035
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 :	Deojhar	Taluka / Mandal :	Joda
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 :	2016-11-28	Date of Mining Lease Execution :	2016-11-27
Date of opening in the mine :	Nilsss		

<b>Nominated Owner Details</b>			
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
<b>Mining Engineer Details</b>			
Name of the Mining Engineer :	N/A	Qualification of Mining Engineer :	N/A
Address of Mining Engineer :	N/A	Phone of Mining Engineer :	N/A
Email of Mining Engineer :	N/A	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	Nil		
<b>Geologist Details</b>			
Name of the Geologist :	N/A	Qualification of Geologist :	N/A
Address of Geologist :	N/A	Phone of Geologist :	N/A
Email of Geologist :	N/A	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	Nil		
<b>Mine Manager Details</b>			
Name of the Mine Manager :	N/A	Qualification of Mine Manager :	N/A
Address of Mine Manger :	N/A	Phone of Mine Manger :	N/A
Email of Mine Manger :	N/A	Fax Number of Mine Manger :	N/A

Date of Mine Manger Appointment :	Nil		
Mineral(s) granted in lease and proved for mining :	IRON ORE	Date of Approval of Mining Plan / Modified Mining Plan / ROMP with five-year period :	N/A
Method of mining :	Open Cast	Category :	OTHER THAN MECHANISED
Nature of Use :	Captive		

### Part-II : Other Information

#### 2.1.1 : Inspection Details

Inspecting Officer :	ROHITA SETHI
Designation :	ACOM
Name of the Accompanying Official from Mine :	Sh. Ajaya Goyal, Sh. Mithun Mukherjee and other mine officials
Designation of the Accompanying Official :	Mines Manager, Geologist
Type of Inspection :	MCDR,MPAS
Date of Inspection :	09/06/2025
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	32	-32.000	No Violation	No exploration proposal for the year 2024-25 however Lessee has drilled 32 core bore holes, which was backlog of the previous year.	Nil
2	Number of DTH Boreholes		0	0	0.000	No Violation	No proposal	Nil
3	Number of exploratory pits / trial pits		0	0	0.000	No Violation	No proposal	Nil
4	Number of exploratory Trenches		0	0	0.000	No Violation	No proposal	Nil
5	Lateral exploration status for the lease area	G1	254.13	341.1	-86.970	No Violation	Entire potential mineralized area explored under G1 Level of exploration. G1-3 41.10(non-mineralized area-66.82ha), G2-62.22ha.. Total non-mineralized area-129.04, Potentially	Nil

							mineralized area-274.28ha.	
6		G2	154.19	154.19	0.000	No Violation	Entire potential mineralized area explored under G1 Level of exploration.	Nil
7		G3	277.25	277.25	0.000	No Violation	Entire potential mineralized area explored under G1 Level of exploration.	Nil
8		G4	0.00	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)		Total Iron ore Reserve as on 01/07/2022 is 91299889tonnes, Resource-11693805tonnes	Total Iron ore Reserve as on 01/04/2025 is 127470536tonnes, Resource-17519380tonnes	0	No Violation	Based on approved RMP dated 03/01/2023.	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 : Pit 1 & Direction : East,	Pit 1 N: 2446123 to 2447342 E:	Vertical extension has not been	Rule 11(1)	Violation issued	Nil

Pit : Pit 1 &  
Direction : East,  
Pit : Pit 1 &  
Direction : West,  
Pit : Pit 2 &  
Direction : South,  
Pit : Pit 4 &

343614 to 344811  
Pit 2 N: 2447602  
to 2447817 E:  
343199 to 343527  
Pit 4 N: 2446273  
to 2446670 E:  
342858 to 343370

achieved.

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#### 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	Pit ID : Pit 1, Pit 4, Pit 2	Pit ID : Pit 1, Pit 4, Pit 2	Nil	No Violation	Nil	Nil
2	Quantity of ROM mineral production proposed (in T)	13422359.00	11277556	2144803.000	Rule 11(1)	Violation issued for less production	Nil
3	Recovery of salable/usable mineral quantity from ROM production in T)	12500000.00	10728633.6	1771366.400	Rule 11(1)	Violation issued for less production	Nil
4	Quantity of mineral reject/Sub-grade generation	922359.00	548922	373437.000	Rule 11(1)	Violation issued for less production	Nil
5	Grade of mineral reject/sub-grade generation as per threshold value declared	45 to -58%Fe	45 to -58%Fe	Nil	No Violation	Nil	Nil
6	Manual/Mechanized method adopted for segregating subgrade/mineral rejects from ROM	Mechanized	Mechanized	Nil	No Violation	Nil	Nil
7	Whether height of benches in Overburden& mineral suitable for method of mining proposed in mining plan	Bench Height- 12 m	Bench Height- 12 m	Nil	No Violation	Nil	Nil
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	Nil	Nil	No Violation	Nil	Nil

### 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	Waste Dump-1, Backfilling area-1 Mineral Reject-1	Waste Dump-1, Backfilling area-1 Mineral Reject-1	Nil	No Violation	Dumping has been carried out on the earmarked area.	Nil
2	Quantity of dump material handling Proposed (in Tonne)	Nil	Nil	Nil	No Violation	No dump working was proposed	Nil
3	Recovery of salable/usable mineral from dump production (in Tonne)	Nil	Nil	Nil	No Violation	No dump working was proposed	Nil
4	Production from dump(s) during the year	Nil	Nil	Nil	No Violation	No dump working was proposed	Nil
5	Quantity of mineral reject generation	922359	548922.8	373436.200	Rule 11(1)	Violation issued for less mineral reject generated against the proposal	Nil
6	Grade of mineral reject generation and threshold value declared	45 to -58% Fe	45 to -58% Fe	Nil	No Violation	Average grade 55.23%Fe	Nil
7	Any analysis or beneficiation study proposed & carried out for mineral reject	No Proposal	Nil	Nil	No Violation	Nil	Nil
8	Manual / Mechanized method adopted for dump working	No Proposal	Nil	Nil	No Violation	No dump working was proposed	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)	Dump Type : Waste, Dump ID : Waste Dump , Dump Type : Waste, Dump ID : Backfilling Area 1	Waste dump-1 Back filling area-1 Mineral Rejecr-1	Nil	No Violation	Separate dumping has been carried out for over burden and mineral reject. Topsoil used for plantation.	Nil
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	Waste Dump-1 N-2447290 to 2447533 E-343494 to 343848 Waste Dump-2 (Backfilling Area-1) N-2446301 to 2446765 E-343870 to 344395 Mineral Reject Dumps (Stacking in FY2024-25) (Mineral Reject-1) N-2446246 to 2446633 E-343371 to 343864	Waste Dump-1 N: 2447299 to 2447526 E: 343501 to 343837 Waste Dump-2 (Backfilling Area-1) N: 2446239 to 2446758 E: 344033 to 344340 Mineral Reject Dumps (Stacking in FY2024-25) (Mineral Reject-1) N: 2446220 to 2446622 E: 343379 to 343855	Nil	No Violation	Nil	Nil

3	Number of active & Inative dumps	Dump ID : Waste Dump, Dump Type : Waste, Dump Status : Active , Dump ID : Back Filling area 1, Dump Type : Waste, Dump Status : Active	Waste dump- 2 (Backfilling Area-1) N-2446301 to 2446765 E-343870 to 344395 Waste Dump-1 N-2447290 to 2447533 E-343494 to 343848 ACTIVE MINERAL REJECT DUMPS -1 NOS. Mineral Reject-1 N-2446246 to 2446633 E-343371 to 343864	Nil	No Violation	Nil	Nil
4	Number of dead dumps	Nil	Nil	Nil	No Violation	No Dead dump	Nil
5	Number of dumps proposed for stabilished	Year : 2024-2025, Dump ID : Waste Dump, Year : 2024-2025, Dump ID : Backfilling Area 1, Year : 2024-2025, Dump ID : Mineral Reject Dump	Stabilization of Waste Dump-1 Nos. Waste Dump-1 N: 2447299 to 2447526 E: 343501 to 343837	Stabilization of dumps has not been carried out as per the proposal	Rule 11(1)	Waste Dump has been partially stabilized violation issued.	Nil
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	Plantation, Nil, Nil	Plantation	Nil	No Violation	Nil	Nil

**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	9.12	Proposed full extraction of mineral from mined out area before starting backfilling.	Nil	No Violation	Nil	Nil
2	Year-wise area under backfilling of mined out area	Pit ID : Backfilling Area 1, Area Proposed : 53730.00	4.99ha	0.38ha area has not been backfilled	Rule 11(1)	During the year 2024-25, it was proposed to backfill 5.373ha. area, during the site inspection it is observed that only 4.995ha area has been backfilled	Nil
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	Generated :65227.50 Utilized :65227.50 Stored :0.00	28	The actual generation of topsoil is only 0.042% of the proposed topsoil	Rule 11(1)	During the year 2024-25, the topsoil of 28m <sup>3</sup> has been generated against the proposal of 65227m <sup>3</sup> . It is observed that the actual generation of topsoil is only 0.042% of the proposed topsoil	Nil

4	Total area fully reclaimed & rehabilitated	0.000	0	0.000	No Violation	Nil	Nil
5	Locations of proposed reclamation & rehabilitated	Nil	Nil	Nil	No Violation	Nil	Nil

### 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 , Area : 0.7, No. of Plant : 1200 Plantation : Location :Waste Dump, Area : 1.13, No. of Plant : 2260 Pit ID : Backfilling Area 1, Area : 53730.00	) Voids utilized for backfilling: Waste dump-2 (Backfilling Area-1): 124* 72*44 ii) Void filled by waste/tailings: Waste Dump-2: 4.995 ha iii) Afforestation on the backfilled area NA iv) Rehabilitation by making water reservoir: NA v) Any other specific means: NA Total Backfilling area: 4.995 ha	Less area has been backfilled against the proposal	Rule 11(1)	Nil	Nil

			Backfilling volume: 0.2889 Mm3				
2	Rehabilitation by making water reservoir	No Proposal	Nil	Nil	No Violation	Nil	Nil
3	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) Afforestation: 1200 nos. ii) Area rehabilitated (ha): 0.75 ha iii) Method of rehabilitation: Plantation	i) Afforestation: 3763 nos. ii) Area rehabilitated (ha): 0.802 ha iii) Method of rehabilitation: Plantation	Nil	No Violation	Lessee has planted 3763 no's of saplings at within the mining lease area.	Nil
4	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	Regular monitoring of air water and noise done in core and buffer zones.	Nil	No Violation	Nil	Nil

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**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	Grade wise sorting with in the lease area.	Grade wise sorting has been carried out with in the lease area.	Nil	No Violation	Nil	Nil
2	Different grade of mineral sorted out at mines	45-58%Fe >58% Fe	As per proposal	Nil	No Violation	Nil	Nil
3	Any beneficiation process at mines	No Proposal	Nil	Nil	No Violation	Nil	Nil
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	Mineral reject (45 to 58%Fe will be blended with >58%Fe to make it usable	Blending has been carried out as per the proposal	548922tonnes of mineral reject has been blended with high grade ore i.e. >58%Fe	No Violation	Nil	Nil

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### 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	The topsoil has been separately removed and used for plantation	Nil	No Violation	Topsoil encountered was stacked separately and utilized in concurrent plantation.	Nil
2	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Nil	Nil	No Violation	0.2889 m3 of waste/OB was used for backfilling over an area of 4.99ha.	Nil
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Nil	No Violation	Nil	Nil
4	Plantation & Survival rate	Plantation : 1200, Survial Rate : 85	Plantation achieved over an area of 0.802 ha via 3763 nos. of saplings with 85% survival rate	Nil	No Violation	Nil	Nil
5	Water sprinkling on roads to control airborne dust	Water Tankers	Water tankers and fixed water sprinklers are used as per proposal	Nil	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 Annual returns in prescribed period or not	Monthly returns under Rule 45(5)(b)(i) of MCDR 2017 by 10th day of every month. Annual Return in Form G1 to be submitted under Rule 45(5)(c)(i) of MCDR 2017 by 1st July of every year.	Monthly Return submitted up to May-2025. A.R. submitted up to- 2023-24.	Annual return for Fy 2024-25 has not been submitted till the date of inspection and yet to be submitted within the stipulated time Period.	No Violation	Nil	Nil
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	Nil	Nil	Nil	No Violation	Annual return for Fy 2024-25 has not been submitted till the date of inspection and yet to be submitted within the stipulated time Period.	Nil
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	Nil	Nil	Nil	No Violation	Annual return for Fy 2024-25 has not been submitted till the date of inspection and yet to be submitted within the stipulated time Period.	Nil

4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	Nil	Nil	Nil	No Violation	Annual return for Fy 2024-25 has not been submitted till the date of inspection and yet to be submitted within the stipulated time Period.	Nil
5	Notices and Returns for the lease area submitted or not where fine applicable	Nil	Nil	Nil	No Violation	Annual return for Fy 2024-25 has not been submitted till the date of inspection and yet to be submitted within the stipulated time Period.	Nil
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil	Nil	Nil	No Violation	Annual return for Fy 2024-25 has not been submitted till the date of inspection and yet to be submitted within the stipulated time Period.	Nil

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**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	Star rating for the year 2024-25 has not been submitted till date of inspection, yet to be submitted	Star rating for the year 2024-25 yet to be submitted.	No Violation	Star rating for the year 2024-25 yet to be submitted	Nil

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

S.N.	Reports File	Remark   File Description
1	Nil	Nil

Final Submitted





	(in T)					production	
4	Exploitation - Opencast Mine : Recovery of salable/usable mineral quantity from ROM production in T)	12500000.00	10728633.6	1771366.400	Rule 11(1)	Violation issued for less production	Nil
5	Exploitation - Opencast Mine : Quantity of mineral reject/Sub-grade generation	922359.00	548922	373437.000	Rule 11(1)	Violation issued for less production	Nil
6	Exploitation - Dump Working : Quantity of mineral reject generation	922359	548922.8	373436.200	Rule 11(1)	Violation issued for less mineral reject generated against the proposal	Nil
7	OB / Waste Dumps details : Number of dumps proposed for stabilised	Year : 2024-2025, Dump ID : Waste Dump, Year : 2024-2025, Dump ID : Backfilling Area 1, Year : 2024-2025, Dump ID : Mineral Reject Dump	Stabilization of Waste Dump-1 Nos. Waste Dump-1 N: 2447299 to 2447526 E: 343501 to 343837	Stabilization of dumps has not been carried out as per the proposal	Rule 11(1)	Waste Dump has been partially stabilized violation issued.	Nil
8	Solid Waste Management - Backfilling (Opencast) : Year-wise area under backfilling of mined out area	Pit ID : Backfilling Area 1, Area Proposed : 53730.00	4.99ha	0.38ha area has not been backfilled	Rule 11(1)	During the year 2024-25, it was proposed to backfill 5.373ha. area, during the site inspection it is observed that only 4.995ha area has been backfilled	Nil
9	Solid Waste Management - Backfilling	Generated	28	The actual	Rule 11(1)	During the year	Nil

	(Opencast) : Year-wise topsoil generation, Utilization and Stored proposal (in m3)	:65227.50 Utilized :65227.50 Stored :0.00		generation of topsoil is only 0.042% of the proposed topsoil		2024-25, the topsoil of 28m <sup>3</sup> has been generated against the proposal of 65227m <sup>3</sup> . It is observed that the actual generation of topsoil is only 0.042% of the proposed topsoil	
10	Progressive Mine Closure Plan : Compliance on reclamation and rehabilitation by backfilling/Other means  Total area and numbers of plantation proposed.	Plantation : Location :Waste Dump , Area : 0.7, No. of Plant : 1200 Plantation : Location :Waste Dump, Area : 1.13, No. of Plant : 2260 Pit ID : Backfilling Area 1, Area : 53730.00	) Voids utilized for backfilling: Waste dump-2 (Backfilling Area-1): 124* 72*44 ii) Void filled by waste/tailings: Waste Dump-2: 4.995 ha iii) Afforestation on the backfilled area NA iv) Rehabilitation by making water reservoir: NA v) Any other specific means: NA Total Backfilling area: 4.995 ha Backfilling volume: 0.2889 Mm3	Less area has been backfilled against the proposal	Rule 11(1)	Nil	Nil

Esigned by: ROHITA SETHI  
Date: 07/07/2025 06:15:03 PM