

# INDIAN BUREAU OF MINES

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

### Part-I : General Information

#### 1.1.1 Mine Details

Name of the Mine :	NAIBAGA IRON & MANGANESE	Lease Area (Ha) :	47.219
Forest Area (Ha) :	27	Mine Code :	30ORI08106
Registration Number :	IBM/5410/2011	Name of lessee :	TARINI
Address of lessee :	1ST FLOOR,LIC BUILDING ,AT/PO-JODA, BARBIL	Phone of lessee :	06767-273475
Email of lessee :	Nimm.tpm@gmail.com	Fax Number :	N/A
Village :	Naibuga	Taluka / Mandal :	Bamebari
District :	Kendujhar	Pincode :	758034
State :	Odisha	Post Office :	N/A
Nearest Police Station :	N/A	Nearest Railway Station :	N/A
Date of Grant of Mining Lease :	2009-12-04	Date of Mining Lease Execution :	2009-11-17
Date of opening in the mine :	Nilsss		

<b>Nominated Owner Details</b>			
Name of the Nominated Owner :	N/A	Nominated Owner Address:	N/A
Nominated Owner Mobile :	N/A	Nominated Owner Email :	N/A
Nominated Owner Fax Number :	Nil	Date of Nominated Owner Appointment :	Nil
<b>Mining Engineer Details</b>			
Name of the Mining Engineer :	HIMANSU MOHANTA	Qualification of Mining Engineer :	B.TECH (MINING),
Address of Mining Engineer :	1ST FLOOR LIC BUILDING, AT/PO:- JODA ,DIST:- KEONJHAR,	Phone of Mining Engineer :	6371736379
Email of Mining Engineer :	Nimm.tpm@gmail.com	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	2018-09-01		
<b>Geologist Details</b>			
Name of the Geologist :	BISHNU CHARAN BARIK	Qualification of Geologist :	M.Sc (GEOLOGY),
Address of Geologist :	1ST FLOOR LIC BUILDING, AT/PO:- JODA ,DIST:- KEONJHAR, ODISHA	Phone of Geologist :	9439381695
Email of Geologist :	Bishnubarik08@gmail.com	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2015-12-17		
<b>Mine Manager Details</b>			
Name of the Mine Manager :	CHANDRA SEKHAR JENA	Qualification of Mine Manager :	BE (MINING)
Address of Mine Manger :	1ST FLOOR LIC BUILDING, AT/PO:- JODA ,DIST:- KEONJHAR, ODISHA	Phone of Mine Manger :	9437081751

Email of Mine Manger :	Saichrome@yahoo.com	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	2018-09-01		
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 :	2024-12-20 (2025 - 2029)
Method of mining :	Open Cast	Category :	OTHER_THAN_MECHANISED
Nature of Use :	Non Captive		

## Part-II : Other Information

### 2.1.1 : Inspection Details

Inspecting Officer :	VIKRAM DESHPANDE
Designation :	ACOM
Name of the Accompanying Official from Mine :	Chandrashekhar Jena
Designation of the Accompanying Official :	Mines Manager
Type of Inspection :	MCDR
Date of Inspection :	17/12/2025
Review year considered for MCDR Inspection :	2024-2025

Final Submitted

**2.2.1 : Exploration Details**

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Number of Core Boreholes	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
2	Number of DTH Boreholes	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
3	Number of exploratory pits / trial pits	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Number of exploratory Trenches	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
5	Lateral exploration status for the lease area - G1	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					

6	Lateral exploration status for the lease area-G2	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
7	Lateral exploration status for the lease area-G3	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
8	Lateral exploration status for the lease area-G4	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: 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)	Prove (111)-Iron- 12841938.500MT Mn.-28277.000MT Feasible resource (221/222)- Iron- 1906619.400MT Mn.-Nil Total resource- Iron-14748557.900MT Mn.-28277MT.	Prove (111)- Iron- 12354108.500MT Mn.-28064.000MT Feasible resource (221/222) Iron- 1906619.400MT Mn.-Nil Total resource- Iron-14260727.900MT Mn.-28064MT.	Nil	No Violation
Remark: NIL Remark File: NIL					

### 2.3.1 : Development - Opencast Details

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S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Location of development w.r.t. lease area	QUARRY-1, N2415350-2415875, E 334348-334648. Bottom RL at 536 mRL. QUARRY-2, N2415125-2415275, E 334830-334968. Bottom RL at 548 mRL. QUARRY-3, N2415395-2415555, E 335238-335338. Bottom RL at 536 RLm	QUARRY-1, N2415495-2415875, E 334364-334648. Bottom RL at 536 mRL. QUARRY-2, N2415125-2415240, E 334830-334968. Bottom RL at 554 mRL. QUARRY-3, N2415490-2415555, E 335238-335328. Bottom RL at 536 RLm	0	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of overburden generation in m3	13008	12995	The targeted production of overburden fell short by 13.000 tonnes	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Quantity of topsoil generation in m3	No Proposal	Not Done	0	No Violation
Remark: NIL Remark File: NIL					
4	Stripping ratio : ore to OB ratio	Iron-1:0.006T/Cu.m Mn-1:3.6 T/Cu.m	Iron-1:0.006 T/Cu.m Mn-1:28.89 T/Cu.m	The targeted stripping ratio in Manganese could not be achieved	Rule 11(1)
Remark: NIL Remark File: NIL					

#### 2.4.1 Exploitation - Opencast Mine Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation
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					n under Rule
1	Number of pits / Blocks proposed for production	3	3	0.000	No Violation
Remark: QUARRY 1 & 2-- IRON, QUARRY-3--MANGANESE Remark File: NIL					
2	Quantity of ROM mineral production proposed (in T)	Iron- 5,97,261MT Mn-2,425 MT	Iron- 487830 MT Mn-213 MT	The targeted ROM production of Iron and Manganese fell short by Iron- 109431 MT Mn.- 2212 MT	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Recovery of salable/usable mineral quantity from ROM production in T)	Iron-5,97,261 Mn-2,425	Iron-5,97,261 Mn-25	The targeted recovery of saleble Mn ore could not be achieved	Rule 11(1)
Remark: NIL Remark File: NIL					
4	Quantity of mineral reject/Sub-grade generation	Iron -59726.100 MT Mn.- 242.500MT	Iron -NIL Mn- 13.000 MT	The targeted mineral reject in Mn could not be achieved	Rule 11(1)
Remark: All Iron is Saleble. Remark File: NIL					
5	Grade of mineral reject/sub-grade generation as per threshold value declared	IRON:-Below 55% Fe Mn:-Below 25% Mn	IRON:-NIL Mn:-15%	The grade of mineral reject in Mn could not be achieved	Rule 11(1)
Remark: All Iron is Saleble. Remark File: NIL					
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	IRON:-Mechanized Mn:- Semi Mechanized	IRON:-Mechanized Mn:- Semi Mechanized	0	No Violation
Remark: NIL Remark File: NIL					

7	Whether height of benches in Overburden & mineral suitable for method of mining proposed in mining plan	Height of benches proposed at 7m	Broadly maintained	0	No Violation
Remark: NIL Remark File: NIL					
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not Carried out	0	No Violation
Remark: NIL Remark File: NIL					

#### 2.4.3 : Exploitation - Dump Working Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Number of dumps proposed for production	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of dump material handling Proposed (in Tonne)	0	0	0.000	No Violation
Remark: NIL					

Remark File: NIL					
3	Recovery of salable/usable mineral from dump production (in Tonne)	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Production from dump(s) during the year	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
5	Quantity of mineral reject generation	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
6	Grade of mineral reject generation and threshold value declared	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
7	Any analysis or beneficiation study proposed & carried out for mineral reject	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
8	Manual / Mechanized method adopted for dump working	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					

**2.5.1 : OB/Waste Dumps Details**

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Separate dumping of topsoil, OB & mineral rejects, fines, tailings (Rule 36,37)	Separate OB, Sub grade Dump(Mn Ore)	Separate OB, Sub grade Dump(Mn Ore)	0	No Violation
Remark: NIL Remark File: NIL					
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	DUMP- Lat- 21:50:03.49-21:50:05.17 Long-85:24:17.95-.85:24:20.75 MINERAL REJECT - Lat- 21:50:07.96 -21:50:07.25 Long-85:24:17.82-85:24:18.35	DUMP- Lat- 21:50:03.49-21:50:05.17 Long-85:24:17.95-.85:24:20.75. MINERAL REJECT - Lat- 21:50:07.96 -21:50:07.25 Long-85:24:17.82-85:24:18.35	0	No Violation
Remark: NIL Remark File: NIL					
3	Number of active & Inative dumps	1	1	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Number of dead dumps	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
5	Number of dumps proposed for stabilished	0	0	0.000	No Violation

					n
Remark: NIL Remark File: NIL					
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	0	0	0.000	No Violatio n
Remark: NIL Remark File: NIL					

### 2.6.1 : Solid Waste Management - Backfilling (Opencast) Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violatio n under Rule
1	Status on part or full extraction of mineral from mined out area before starting backfilling	No Proposal	Not done	0	No Violatio n
Remark: NIL Remark File: NIL					
2	Year-wise area under backfilling of mined out area	NA	NA	0	No Violatio n
Remark: NIL Remark File: NIL					
3	Year-wise topsoil generation, Utilization and Stored proposal (in	NA	NA	NA	No Violatio n

	m3)				
Remark: NIL Remark File: NIL					
4	Total area fully reclaimed & rehabilitated	NA	NA	NA	No Violation
Remark: NIL Remark File: NIL					
5	Locations of proposed reclamation & rehabilitated	NA	NA	NA	No Violation
Remark: NIL Remark File: 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
1	Compliance on reclamation and rehabilitation by backfilling/Other means  Total area and numbers of plantation proposed.	No Proposal Area-2.51ha., Saplings-600 nos,	Not Carried Out Area-2.51 ha., Saplings-600 nos,	0	No Violation
Remark: NIL Remark File: NIL					
2	Rehabilitation by	Not Proposed	Not Carried Out	0	No

	making water reservoir				Violation
Remark: NIL Remark File: NIL					
3	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NA	NA	0	No Violation
Remark: NIL Remark File: NIL					
4	Compliance of Environmental monitoring (core zone & buffer zone)	Air ,Water ,Noise, Soil, free silica & Ground vibration Monitoring proposed	Ambient air, fugitive dust, Noise, Water, Soil, Free silica and ground vibration monitoring are being carried out weekly twice, monthly, quarterly & yearly respectively	0	No Violation
Remark: Environment monitoring is been carried out by M/s B S Envi-Tech Pvt. Ltd.,Tarnaka, Secunderabad Remark File: NIL					

### 2.8.1 : Mineral Conservation Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	ROM Mineral dispatch or grade-wise sorting within lease area	Grade-wise sorting within lease area proposed	Grade-wise sorting within lease area carried out	0	No Violation
Remark: NIL Remark File: NIL					

2	Different grade of mineral sorted out at mines	CLO(5-40mm) >65%Fe CLO(5-40mm)-62-65%Fe CLO (5-40mm)-60-62%Fe Lumps-58-60%Fe Fines-55-58% Fe Fines-58-60% Fe Fines-60-62% Fe Fines-62-65% Fe Mn Ore(10-75mm)- 25%-35% Mn Mn Ore(10-75mm)- 35%-46% Mn Mn Ore(0-10mm)< 25% Mn	Iron Ore- CLO (5-40mm)- >65%Fe CLO (5-40mm)-62-65%Fe CLO (5-40mm)-60-62%Fe Lumps-58-60%Fe Fines-55-58% Fe Fines-58-60% Fe Fines-60-62% Fe Fines-62-65% Fe Mn Ore- Mn Ore(10-75mm)- 25%-35% Mn Mn Ore(10-75mm)- 35%-46% Mn Mn Ore(0-10mm)< 25% Mn	0	No Violation
Remark: NIL Remark File: NIL					
3	Any beneficiation process at mines	No Proposal	Not Carried Out	0	No Violation
Remark: NIL Remark File: NIL					
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	Blending at ROM stage.	Mineral Reject of Iron Ore is being blended at ROM stage and mineral reject of Mn Ore collected and stacked separately at the earmarked area.	0	No Violation
Remark: NIL Remark File: NIL					

### 2.9.1 : Environment Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Separate removal and utilization of topsoil	No Proposal	Not Carried Out	0	No Violation

Remark: NIL Remark File: NIL					
2	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Not Carried Out	0	No Violation
Remark: NIL Remark File: NIL					
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Not Carried Out	0	No Violation
Remark: NIL Remark File: NIL					
4	Plantation & Survival rate	600 85%	1830 75%	-1230.000	No Violation
Remark: NIL Remark File: NIL					
5	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed	Water sprinkling is being carried out on Roads to control air borne dust.	0	No Violation
Remark: 01 no Water tanker of capacity- 10 KL. Remark File: NIL					

**2.10 : Annual Return Details**

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S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Submission of Online Monthly and Annual returns in prescribed period or not	Monthly and Annual Returns to be submitted online in prescribed period.	Monthly and Annual Returns submitted online in prescribed period.	0	No Violation
Remark: NIL Remark File: NIL					
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	Mining Engineer-Himansu Mohanta Mining Geologist: Bishnu Barik	Mining Engineer-Himansu Mohanta Mining Geologist: Bishnu Barik	0	No Violation
Remark: NIL Remark File: NIL					
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	Complete and Correct Returns to be submitted	Not Submitted	1. The lease area utilization at end of the year is not matching with PMCP report. 2. The PMCP report has been furnished in in correct format. 3. The KML file attached alongwith the PMCP report does not match with the land use.	Rule 45(7)
Remark: NIL Remark File: NIL					
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	NA	NA	0	No Violation
Remark: NIL Remark File: NIL					
5	Notices and Returns for the lease area submitted or not where fine applicable	All Notices and Returns where fine applicable to be submitted .	All Notices and Returns where fine applicable submitted .	0	No Violation
Remark: NIL Remark File: NIL					
6	Scrutiny of Annual return on sale value, Ex. Mine price &	Iron Fines: 55% to below 58% Fe-3328.00 58% to below 60% Fe-3635.00 60% to below 62% Fe-3947.00 62% to below 65% Fe CLO-4188.00	All appears to be correct	0	No Violation

production cost	Below 62% Fe (CLO any size)-5791.00 62% to below 65% Fe (5-18 mm size CLO)- 65% and above Fe (5-18 mm size)-7103.00 Mn Below 25% Mn-3658.00 25% to below 35% Mn-8268.00 35% to below 46% Mn-14724.00 Cost of Production: 2119.27		
Remark: NIL Remark File: NIL			

### 2.11 : SDF Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Start Ratings accorded for mine during last 3 years	3	3	0.000	No Violation
Remark: NIL Remark File: NIL					

### Part-III : Other Reports

#### 3.1.1 : Upload Other Reports

S.N.	Reports File	Remark   File Description
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1	NIL	None
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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
1	Development - Opencast : Quantity of overburden generation in m <sup>3</sup>	13008	12995	The targeted production of overburden fell short by 13.000 tonnes	Rule 11(1)
Remark: NIL Remark File: NIL					
2	Development - Opencast : Stripping ratio : ore to OB ratio	Iron-1:0.006T/Cu.m Mn-1:3.6 T/Cu.m	Iron-1:0.006 T/Cu.m Mn-1:28.89 T/Cu.m	The targeted stripping ratio in Manganese could not be achieved	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Exploitation - Opencast Mine : Quantity of ROM mineral production proposed (in T)	Iron- 5,97,261MT Mn-2,425 MT	Iron- 487830 MT Mn-213 MT	The targeted ROM production of Iron and Manganese fell short by Iron- 109431 MT Mn.- 2212 MT	Rule 11(1)
Remark: NIL Remark File: NIL					
4	Exploitation - Opencast Mine : Recovery of salable/usable mineral	Iron-5,97,261 Mn-2,425	Iron-5,97,261 Mn-25	The targeted recovery of saleble Mn ore could not be achieved	Rule 11(1)

	quantity from ROM production in T)				
Remark: NIL Remark File: NIL					
5	Exploitation - Opencast Mine : Quantity of mineral reject/Sub-grade generation	Iron -59726.100 MT Mn.- 242.500MT	Iron -NIL Mn- 13.000 MT	The targeted mineral reject in Mn could not be achieved	Rule 11(1)
Remark: All Iron is Saleble. Remark File: NIL					
6	Exploitation - Opencast Mine : Grade of mineral reject/sub-grade generation as per threshold value declared	IRON:-Below 55% Fe Mn:-Below 25% Mn	IRON:-NIL Mn:-15%	The grade of mineral reject in Mn could not be achieved	Rule 11(1)
Remark: All Iron is Saleble. Remark File: NIL					
7	Annual Return : Whether incomplete or false or wrong returns submitted (Rule 45(7))	Complete and Correct Returns to be submitted	Not Submitted	1. The lease area utilization at end of the year is not matching with PMCP report. 2. The PMCP report has been furnished in in correct format. 3. The KML file attached alongwith the PMCP report does not match with the land use.	Rule 45(7)
Remark: NIL Remark File: NIL					
8	Plans and Sections	To be maintained and updated	Not Maintained	During inspection the Surface Plan, Surface Geological Plan and Geological Sections were found to be not updated and maintained.	Rule 31(4)
Remark: NIL Remark File: NIL					

Esigned by: VIKRAM DESHPANDE  
Date: 23/01/2026 10:29:10 AM