

# INDIAN BUREAU OF MINES

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

### Part-I : General Information

#### 1.1.1 Mine Details

Name of the Mine :	40ORI13050	Lease Area (Ha) :	29.257
Forest Area (Ha) :	N/A	Mine Code :	40ORI13050
Registration Number :	IBM/135/2011	Name of lessee :	PRABODH
Address of lessee :	Prabodh Mohanty,POA Of All The Legal Heirs Of Late S.N.Mohanty, Weighbridge Road ,Barbil, Barbil	Phone of lessee :	06767-275362
Email of lessee :	Snmbbl@gmail.com	Fax Number :	N/A
Village :	Nuagaon	Taluka / Mandal :	Koida
District :	Sundargarh	Pincode :	758035
State :	Odisha	Post Office :	N/A
Nearest Police Station :	N/A	Nearest Railway Station :	N/A
Date of Grant of Mining Lease :	1999-05-12	Date of Mining Lease Execution :	1999-05-11
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 :	Abhishek Pradhan	Qualification of Mining Engineer :	Diploma In Mining
Address of Mining Engineer :	Village-Nuagaon, Koira, Sundargarh	Phone of Mining Engineer :	8480586824
Email of Mining Engineer :	Snmbbl@gmail.com	Fax Number of Mining Engineer :	0676727536
Date of Mining Engineer Appointment :	2018-01-04		
<b>Geologist Details</b>			
Name of the Geologist :	Soukeen Mahanta	Qualification of Geologist :	M.Sc. In Applied Geology
Address of Geologist :	At/ Po- Barbil, Dist -Keonjhar	Phone of Geologist :	9439873745
Email of Geologist :	Snmbbl@gmal.com	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2016-10-25		
<b>Mine Manager Details</b>			
Name of the Mine Manager :	A. N. Prasad	Qualification of Mine Manager :	Degree In Mining
Address of Mine Manger :	Village-Nuagaon, Koira, Sundargarh	Phone of Mine Manger :	6200918743
Email of Mine Manger :	Snmbbl@gmal.com	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	2018-10-06		

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 :	2024-03-22 (2024 - 2028)
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 :	A.N. Prasad
Designation of the Accompanying Official :	Mines Manager
Type of Inspection :	MCDR
Date of Inspection :	16/12/2025
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	14	Nil	The proposed 14 boreholes could not be completed.	Rule 11(1)
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	1	Nil	The proposed 1 pit could not be made	Rule 11(1)
Remark: NIL Remark File: NIL					
4	Number of exploratory Trenches	1	Nil	The proposed 1 exploratory trench could not be made	Rule 11(1)
Remark: NIL Remark File: NIL					
5	Lateral exploration status for the lease area - G1	21.33	21.33	0.000	No Violation
Remark: NIL Remark File: NIL					
6	Lateral exploration status for the lease area-	0.00	Nil	0.000	No Violation

	G2				n
Remark: NIL Remark File: NIL					
7	Lateral exploration status for the lease area-G3	0.00	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
8	Lateral exploration status for the lease area-G4	7.93	7.93	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)	IRON ORE - Total Reserve = 1572851.50 , Total Resource = 82060.00 manganese_ore - Total Reserve = 288622.50 , Total Resource = 43782.00	Iron Reserve(121)-1472199.00T, Iron Resource(221)-82060.00 T , Manganese Reserve (121)-288107.50T, Manganese Resource(221)-43782.00T	Nil	No Violation
Remark: NIL Remark File: NIL					

### 2.3.1 : Development - Opencast Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under
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					Rule
1	Location of development w.r.t. lease area	315741E to 315424E and 2423083N to 2422964N	315741E to 315424E and 2423083N to 2422964N	Lateral development achieved but vertical development not achieved.	Rule 11(1)
Remark: NIL Remark File: NIL					
2	Quantity of overburden generation in m3	35555.00	14418.00	The quantity of overburden generation fell short by 21137 tonnes.	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Quantity of topsoil generation in m3	0.00	0	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Stripping ratio : ore to OB ratio	0.95	0.42	The targeted stripping ratio 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 under Rule
1	Number of pits / Blocks proposed for production	Pit ID : Quarry-1	Quarry-1	0	No Violation

Remark: NIL Remark File: NIL					
2	Quantity of ROM mineral production proposed (in T)	Iron: 69564.00T, Manganese: 5628.00T	Iron: 67282.00T, Manganese: 340T	The targeted production of ROM could not be achieved.	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Recovery of salable/usable mineral quantity from ROM production in T)	Iron: 69564.00T, Manganese: 5628.00T	Iron: 67282.00T, Manganese: 340T	The targeted recovery of salable mineral quantity from ROM could be achieved.	Rule 11(1)
Remark: NIL Remark File: NIL					
4	Quantity of mineral reject/Sub-grade generation	0.00	0	0.000	No Violation
Remark: NIL Remark File: NIL					
5	Grade of mineral reject/sub-grade generation as per threshold value declared	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	For Iron Mechanised Method And For Manganese Manual Method proposed	For Iron Mechanised Method And For Manganese Manual Method carried out	0	No Violation
Remark: NIL Remark File: NIL					
7	Whether height of benches in Overburden& mineral suitable for method of mining proposed in	Bench height and width, 5m and 9m respectively for both overburden and mineral.	Broadly carried out	0	No Violation

	mining plan				
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	Total number of dumps : 1 Dump ID : Dump	1	0	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of dump material handling Proposed (in Tonne)	24948.00	23500	The targeted dump handling fell short by 1448 tonnes	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Recovery of salable/usable mineral from dump production (in Tonne)	24948.00	23500	The targeted dump handling fell short by 1448.tonnes	Rule 11(1)

Remark: NIL Remark File: NIL					
4	Production from dump(s) during the year	24948.00	23500	The targeted production from dump fell short by 1448 tonnes	Rule 11(1)
Remark: NIL Remark File: NIL					
5	Quantity of mineral reject generation	00	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	Not proposed	Not Carried out	0	No Violation
Remark: NIL Remark File: NIL					
8	Manual / Mechanized method adopted for dump working	Mechanized method proposed for dump working	Mechanized method adopted for dump working	0	No Violation
Remark: NIL Remark File: NIL					

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**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 dumping of OB and Mineral Reject proposed	Separate dumping of OB and Mineral Reject carried out	0	No Violation
Remark: NIL Remark File: NIL					
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	OB-315457E to 315579E, and 2423356N to 2423091N, Mineral reject-315740E to 315645E, and 2423437n to 2423349N	OB-315457E to 315579E, and 2423356N to 2423091N, Mineral reject-315740E to 315645E, and 2423437n to 2423349N	0	No Violation
Remark: NIL Remark File: NIL					
3	Number of active & Inative dumps	Dump ID : Dump, Dump Type : Waste, Dump Status : Active	Dump ID : Dump, Dump Type : Waste, Dump Status : Active	0	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	No proposal	Not carried out	0	No Violation
Remark: NIL Remark File: NIL					

6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	No proposal	Not Carried out	Nil	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	Not Proposed	Not Carried Out	0	No Violatio n
Remark: NIL Remark File: NIL					
2	Year-wise area under backfilling of mined out area	0	0	0.000	No Violatio n
Remark: NIL Remark File: NIL					
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	0	0	0.000	No Violatio n
Remark: NIL Remark File: NIL					
4	Total area fully	0.000	0	0.000	No

	reclaimed & rehabilitated				Violation
Remark: NIL Remark File: NIL					
5	Locations of proposed reclamation & rehabilitated	0	0	0.000	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.	Plantation : Location :Virgin area, Area : 0.100, No. of Plant : 250 Plantation : Location :Virgin area, Area : 0.100, No. of Plant : 250 Pit ID : Quarry1, Area : 0.00	250 nos of plant planted in safety zone area	0	No Violation
Remark: NIL Remark File: NIL					
2	Rehabilitation by making water reservoir	0	0	0.000	No 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	250 nos of plants proposed in safety zone for 2024-25 financial year.	250 nos of plant planted in safety zone area	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal for monitoring both core and buffer zone	Monitoring both core and buffer zone carried out	Nil	No Violation
Remark: Monitoring by superintendence company of India private limited. Which is NABL accredited lab. 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 proposed	Grade-wise sorting carried out	0	No Violation
Remark: Grade-wise Sorting mechanically for iron ore and manually for Mn. Ore Remark File: NIL					
2	Different grade of mineral sorted out at mines	Iron ore:45% to 50% Fe, and above 50% Fe, For Manganese ore -25% Mn. and above 25%Mn.	Iron ore:45% to 50% Fe, and above 50% Fe, For Manganese ore -25% Mn. and above 25%Mn.	0	No Violation

Remark: NIL Remark File: NIL					
3	Any beneficiation process at mines	Not proposed	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.)	0	0	0.000	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	Not Proposed	0	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	0	0	0.000	No Violation

Remark: NIL Remark File: NIL					
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Plantation & Survival rate	Plantation : 250, Survival Rate : 80	2500 nos of plantation done over safety zone and in dump area. survival rate 80%	0	No Violation
Remark: NIL Remark File: NIL					
5	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed	Water sprinkling is carried out	0	No Violation
Remark: A 16 KLD water tanker is used to sprinkle water on haul road to control airborne dust. Remark File: NIL					

### 2.10 : Annual Return Details

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	Last Annual Returns : No, Last Monthly Returns : Yes - December 2025 - Submitted on : 2026-01-12	All monthly and Annual Returns submitted online within given time frame.	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: Abhisekh Pradhan Mining Geologist: Souken Mahanta	Mining Engineer: Abhisekh Pradhan Mining Geologist: Souken Mahanta	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	In correct returns submitted	1. The reserves and resources furnished in the approved document and that furnished in the return do not match. 2. The kml enclosed alongwith the PMCP report does not match with the land use at end of year.	Rule 45(7)
Remark: NIL Remark File: NIL					
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	Not Due	Not Applicable	0	No Violation
Remark: NIL Remark File: NIL					
5	Notices and Returns for the lease area submitted or not where fine applicable	Notices and Returns to be submitted	Notices and Returns submitted	0	No Violation
Remark: NIL Remark File: NIL					
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine Price for Fines- 51% to below 55% Fe-1283.58, CLO- below 62%Fe-2609.64, Production cost-1009.80 per ton	Appears to be correct.	0	No Violation
Remark: NIL Remark File: NIL					

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**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	Year of Submission : 2023-2024 , Rating : 3 Stars	3	0	No Violation
Remark: NIL Remark File: NIL					

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

S.N.	Reports File	Remark   File Description
1	NIL	None

Final Submitted

## 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	Exploration : Number of Core Boreholes	14	0	The proposed 14 boreholes could not be completed.	Rule 11(1)
Remark: NIL Remark File: NIL					
2	Exploration : Number of exploratory pits / trial pits	1	0	The proposed 1 pit could not be made	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Exploration : Number of exploratory Trenches	1	0	The proposed 1 exploratory trench could not be made	Rule 11(1)
Remark: NIL Remark File: NIL					
4	Development - Opencast : Location of development w.r.t. lease area	315741E to 315424E and 2423083N to 2422964N	315741E to 315424E and 2423083N to 2422964N	Lateral development achieved but vertical development not achieved.	Rule 11(1)
Remark: NIL Remark File: NIL					
5	Development - Opencast : Quantity of overburden generation in m <sup>3</sup>	35555.00	14418.00	The quantity of overburden generation fell short by 21137 tonnes.	Rule 11(1)
Remark: NIL Remark File: NIL					

6	Development - Opencast : Stripping ratio : ore to OB ratio	0.95	0.42	The targeted stripping ratio could not be achieved.	Rule 11(1)
Remark: NIL Remark File: NIL					
7	Exploitation - Opencast Mine : Quantity of ROM mineral production proposed (in T)	Iron: 69564.00T, Manganese: 5628.00T	Iron: 67282.00T, Manganese: 340T	The targeted production of ROM could not be achieved.	Rule 11(1)
Remark: NIL Remark File: NIL					
8	Exploitation - Opencast Mine : Recovery of salable/usable mineral quantity from ROM production in T)	Iron: 69564.00T, Manganese: 5628.00T	Iron: 67282.00T, Manganese: 340T	The targeted recovery of salable mineral quantity from ROM could be achieved.	Rule 11(1)
Remark: NIL Remark File: NIL					
9	Exploitation - Dump Working : Quantity of dump material handling Proposed (in Tonne)	24948.00	23500	The targeted dump handling fell short by 1448 tonnes	Rule 11(1)
Remark: NIL Remark File: NIL					
10	Exploitation - Dump Working : Recovery of salable/usable mineral from dump production (in Tonne)	24948.00	23500	The targeted dump handling fell short by 1448.tonnes	Rule 11(1)
Remark: NIL Remark File: NIL					
11	Exploitation - Dump Working : Production from dump(s) during the year	24948.00	23500	The targeted production from dump fell short by 1448 tonnes	Rule 11(1)
Remark: NIL					

Remark File: NIL					
12	Annual Return : Whether incomplete or false or wrong returns submitted (Rule 45(7))	Complete and Correct Returns to be submitted	In correct returns submitted	1. The reserves and resources furnished in the approved document and that furnished in the return do not match. 2. The kml enclosed alongwith the PMCP report does not match with the land use at end of year.	Rule 45(7)
Remark: NIL Remark File: NIL					
13	Plans and Sections	Uptodate plans and sections to be maintained	Not maintained	Updated Plans and sections not maintained	Rule 31(4)
Remark: NIL Remark File: NIL					

Final Submitted

Esigned by: VIKRAM DESHPANDE  
Date: 11/02/2026 12:04:31 PM