

# INDIAN BUREAU OF MINES

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

### Part-I : General Information

#### 1.1.1 Mine Details

Name of the Mine :	MURGABEDA	Lease Area (Ha) :	15.378
Forest Area (Ha) :	14	Mine Code :	30ORI08039
Registration Number :	IBM/5243/2011	Name of lessee :	DIPTI
Address of lessee :	A/6, COMMERCIAL ESTATE ,CIVIL TOWNSHIP,, ROURKELA	Phone of lessee :	06767-272304
Email of lessee :	Miom.drp@gmail.com	Fax Number :	N/A
Village :	Mahadebanasa	Taluka / Mandal :	Joda
District :	Kendujhar	Pincode :	769004
State :	Odisha	Post Office :	N/A
Nearest Police Station :	N/A	Nearest Railway Station :	N/A
Date of Grant of Mining Lease :	1976-07-03	Date of Mining Lease Execution :	1976-07-03
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 :	Ajith A	Qualification of Mining Engineer :	BE Mining
Address of Mining Engineer :	Murgabeda, Keonjhar	Phone of Mining Engineer :	8531955420
Email of Mining Engineer :	Ajjias652@gmail.com	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	2024-10-26		
<b>Geologist Details</b>			
Name of the Geologist :	Alok Kumar Rout	Qualification of Geologist :	MSc, Geology
Address of Geologist :	Murgabeda, Keonjhar	Phone of Geologist :	9861181508
Email of Geologist :	Routmanguli@gmail.com	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2021-11-10		
<b>Mine Manager Details</b>			
Name of the Mine Manager :	Prabakaran V	Qualification of Mine Manager :	B.E, Mining Engineering
Address of Mine Manger :	Murgabeda, Keonjhar	Phone of Mine Manger :	7373661753
Email of Mine Manger :	Miom.drp@gmail.com	Fax Number of Mine Manger :	00
Date of Mine Manger Appointment :	2024-11-18		

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 :	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 :	V Prabhakaran
Designation of the Accompanying Official :	Mines Manager
Type of Inspection :	MPAS
Date of Inspection :	05/11/2025
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
1	Number of Core Boreholes	Nil	Nil	0.000	No Violation
Remark: No proposal Remark File: NIL					
2	Number of DTH Boreholes	Nil	Nil	0.000	No Violation
Remark: No proposal Remark File: NIL					
3	Number of exploratory pits / trial pits	Nil	Nil	0.000	No Violation
Remark: No Proposal Remark File: NIL					
4	Number of exploratory Trenches	Nil	Nil	0.000	No Violation
Remark: No Proposal Remark File: NIL					
5	Lateral exploration status for the lease area - G1	39.71	39.71	0.000	No Violation
Remark: NIL Remark File: NIL					

6	Lateral exploration status for the lease area-G2	0.00	Nil	0.000	No Violation
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	0.00	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)	IRON ORE - Total Reserve = 3812767.00 , Total Resource = 2084845.00	As on 31/03/2025 111- 2622767 211 - 2084845	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 Rule
1	Location of development w.r.t. lease area	Pit : EXISTING QUARRY & Direction : S, Pit : EXISTING QUARRY & Direction : S	341797E - 342129E to 2445497 - 2446142N	0	No Violation
Remark: Carried as per proposal Remark File: NIL					
2	Quantity of overburden generation in m3	81130.00	15582.9	65547.100 tonnes less overburden generated than proposed	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Quantity of topsoil generation in m3	0.00	0	0.000	No Violation
Remark: No proposal Remark File: NIL					
4	Stripping ratio : ore to OB ratio	1:0.09	1:0.028	-0.061 less stripping ratio achieved than the proposed	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	01	01	0.000	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of ROM mineral production proposed (in T)	1906383.00	1190000.00	716383.000 tonnes less ROM production achieved than the proposed	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Recovery of salable/usable mineral quantity from ROM production in T)	1906383.00	1190000.00	716383.000 tonnes less saleble achieved than the proposed	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	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
7	Whether height of	Yes	Yes	0	No

	benches in Overburden & mineral suitable for method of mining proposed in mining plan				Violation
Remark: NIL Remark File: NIL					
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	0	0	0.000	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	0.00	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					

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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)	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
3	Number of active & Inative dumps	0	0	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

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	Partially	Partially	0	No Violatio n
Remark: NIL Remark File: NIL					
2	Year-wise area under backfilling of mined out area	2024-2025 0.72 Ha	2024-2025 0.16 Ha	0.56 ha less backfilling done than the proposed	Rule 11(1)
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 reclaimed & rehabilitated	0.000	0	0.000	No 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.	0.72	0.16	0.560 ha area of plantation not done as proposed	Rule 11(1)
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	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Compliance of Environmental monitoring (core zone & buffer zone)	Air, Noise and Water quality monitoring will be done during the year within the lease area as per MOEF&CC guidelines.	Air, Noise and Water quality monitoring will be done during the year within the lease area as per MOEF&CC guidelines carried out.	0	No Violation
Remark: Environmental monitoring is carried out through a third party, Green Force Associates Pvt. Ltd. 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 dispatch	Grade-wise dispatch	0	No Violation
Remark: NIL Remark File: NIL					
2	Different grade of mineral sorted out at mines	Grade-wise sorting for +55% Fe and 45 to 55% Fe has been proposed	Fines 51% to below 55% Fe 55% to below 58% Fe 58% to below 60% Fe 60% to below 62% Fe 62% to below 65% Fe CLO Below 62% Fe (CLO any size)- 62% to below 65% Fe (5-18 mm size CLO)	0	No Violation

			62% to below 65% Fe (10-40 mm size CLO)		
Remark: NIL Remark File: NIL					
3	Any beneficiation process at mines	0	0	0.000	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	0	0	0.000	No Violation

	original use				
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 : 480, Survival Rate : 70	Plantation : 530, Survival Rate : 70	0	No Violation
Remark: NIL Remark File: NIL					
5	Water sprinkling on roads to control airborne dust	Water sprinkling by water tanker over haul roads will be carried out during the reporting year.	Water sprinkling by water tanker over haul roads will be carried out during the reporting year carried out	0	No Violation
Remark: Water tankers are dedicated used for water sprinkling on roads to control airborne dust. Dry fog system is equipped at crusher and screen plants. Water tanker capacity 12 KL 08 KL 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	Last Annual Returns : No, Last Monthly Returns : Yes - October 2025 - Submitted on : 2025-11-19	All returns have been submitted	0	No Violation

	period or not				
Remark: NIL Remark File: NIL					
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	Mining Engineer: Nil Geologist: Alok Kumar Rout	Mining Engineer: Ajith A Geologist: Alok Kumar Rout	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	Complete and correct Returns not submitted	1. The reserve category furnished is not correct. 2. Work done under PMCP is shown as 0 whereas backfilling and plantation has been carried out.	Rule 45(7)
Remark: NIL Remark File: NIL					
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	FMCP approved	Implementation of FMCP is in progress	0	No Violation
Remark: NIL Remark File: NIL					
5	Notices and Returns for the lease area submitted or not where fine applicable	Notices to be submitted within time frame.	Notices submitted within time frame.	0	No Violation
Remark: NIL Remark File: NIL					
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Fines 51% to below 55% Fe- Rs. 1985.77 55% to below 58% Fe-Rs. 2839.74 58% to below 60% Fe-Rs. 3452.05 60% to below 62% Fe-Rs. 3761.99 62% to below 65% Fe-Rs. 4740.79 Cost of Production: 1335.87	Appears to be in order	0	No Violation
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	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	No File

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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 m3	81130.00	15582.9	65547.100 tonnes less overburden generated than proposed	Rule 11(1)
Remark: NIL Remark File: NIL					
2	Development - Opencast : Stripping ratio : ore to OB ratio	1:0.09	1:0.028	-0.061 less stripping ratio achieved than the proposed	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Exploitation - Opencast Mine : Quantity of ROM mineral production proposed (in T)	1906383.00	1190000.00	716383.000 tonnes less ROM production achieved than the proposed	Rule 11(1)
Remark: NIL Remark File: NIL					
4	Exploitation - Opencast Mine : Recovery of salable/usable mineral quantity from ROM production in T)	1906383.00	1190000.00	716383.000 tonnes less saleble achieved than the proposed	Rule 11(1)
Remark: NIL Remark File: NIL					
5	Solid Waste Management -	2024-2025 0.72 Ha	2024-2025 0.16 Ha	0.56 ha less backfilling done than the proposed	Rule 11(1)

	Backfilling (Opencast) : Year-wise area under backfilling of mined out area				
Remark: NIL Remark File: NIL					
6	Progressive Mine Closure Plan : Compliance on reclamation and rehabilitation by backfilling/Other means  Total area and numbers of plantation proposed.	0.72	0.16	0.560 ha area of plantation not done as proposed	Rule 11(1)
Remark: NIL Remark File: NIL					
7	Annual Return : Whether incomplete or false or wrong returns submitted (Rule 45(7))	Complete and correct Returns to be submitted	Complete and correct Returns not submitted	1. The reserve category furnished is not correct. 2. Work done under PMCP is shown as 0 whereas backfilling and plantation has been carried out.	Rule 45(7)
Remark: NIL Remark File: NIL					

Final Submitted

Esighed by:  VIKRAM DESHPANDE  
Date: 03/12/2025 11:08:28 PM