

INDIAN BUREAU OF MINES

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

Part-I : General Information

1.1.1 Mine Details

Name of the Mine :	28ORI27014	Lease Area (Ha) :	45.753
Forest Area (Ha) :	N/A	Mine Code :	28ORI27014
Registration Number :	IBM/9759/2012	Name of lessee :	Sibananda
Address of lessee :	A 19 ,Trishna Residency Phase 3, Kiit College Road, Patia, Bhubaneswar	Phone of lessee :	-
Email of lessee :	Sundeepradhan@gmail.com	Fax Number :	N/A
Village :	Birida	Taluka / Mandal :	Kalyanasingpur
District :	Rayagada	Pincode :	751024
State :	Odisha	Post Office :	N/A
Nearest Police Station :	Kiit Police Station	Nearest Railway Station :	Bhubaneswar
Date of Grant of Mining Lease :	2005-12-26	Date of Mining Lease Execution :	2005-12-26
Date of opening in the mine :	2019-07-11		

Nominated Owner Details			
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
Mining Engineer Details			
Name of the Mining Engineer :	Sri Jyoti Ranjan Satapathy	Qualification of Mining Engineer :	Diploma In Mining & Mining Surveying
Address of Mining Engineer :	At/Po - Sikharpai , Dist. - Rayagada	Phone of Mining Engineer :	N/A
Email of Mining Engineer :	N/A	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	2023-02-27		
Geologist Details			
Name of the Geologist :	Shri. Harihara Barik	Qualification of Geologist :	M Sc. (Geology)
Address of Geologist :	At - Bandhamandi, Po - Godibali, PS - Kashipur, Dist. - Rayagada	Phone of Geologist :	N/A
Email of Geologist :	N/A	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2018-02-28		
Mine Manager Details			
Name of the Mine Manager :	Sri Jyoti Ranjan Satapathy	Qualification of Mine Manager :	Diploma In Mining & Mining Surveying
Address of Mine Manger :	At/Po - Sikharpai , Dist. – Rayagada	Phone of Mine Manger :	N/A
Email of Mine Manger :	N/A	Fax Number of Mine Manger :	N/A

Date of Mine Manger Appointment :	2023-02-27		
Mineral(s) granted in lease and proved for mining :	GRAPHITE	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 :	Non Captive		

Part-II : Other Information

2.1.1 : Inspection Details

Inspecting Officer :	POULOMMI MONDAL
Designation :	JUNIOR MINING GEOLOGIST
Name of the Accompanying Official from Mine :	Er. P.K. Mohanty, GM, Technical; Sri Harihara Barik, Sr. Mining Geologist; Sri Jyoti Ranjan Satapathy, Mines Manager; Sri Mohan Charan Pradhan, Deputy Manager Commercial
Designation of the Accompanying Official :	GM, Technical, Sr. Mining Geologist, Mines Manager, Deputy Manager Commercial
Type of Inspection :	MCDR,MPAS,STR
Date of Inspection :	28/10/2025
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: During the current RMP starting from 2021-22, lessee has so far completed 55 boreholes. Violation of 11(1) was issued (File no. MCDR-MiFLOGR/2/2023-BBS-IBM_RO_BBS, Dated 28.03.2025) during the last MCDR inspection for such discrepancy. However, the lessee has proposed to undertake the drilling of balance 15 boreholes in 2025-26 in the compliance letter dated 26.04.2025 Remark File: NIL					
2	Number of DTH Boreholes	Nil	Nil	0.0000	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	11.697	NIL Exploration	Nil	No Violation

Remark: As per approved RMP, 1.750 Ha (G1 level of exploration) area has no ore bearing zone. Unexplored area was 32.306Ha. As per the last MCDR (2023-24), balance area to be explored under G1 or G2 was 8.102Ha.

Remark File: NIL

6	Lateral exploration status for the lease area-G2	Nil	Nil	0.000	No Violation
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Remark: NIL

Remark File: NIL

7	Lateral exploration status for the lease area-G3	Nil	Nil	0.000	No Violation
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Remark: NIL

Remark File: NIL

8	Lateral exploration status for the lease area-G4	Nil	Nil	0.000	No Violation
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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)	Mineral reserve as per approved Review of Mining Plan as on 31.08.2020 was 25,46,567 Tone (121) & Mineral Resource was 586928t (221). Total Mineral Resources (331, 332 & 333 up to 334) is 0. Total Reserve + Resource 3133495t	Mineral reserve as on 31.03.2025 was 2487088 Tons (121) & Mineral Resource was 586928t (221). Total Mineral Resources (331, 332 & 333 up to 334) is 0. Total Reserve + Resource 3074016t	NA	No Violation
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Remark: NIL

Remark File: NIL

Final Submitted

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	Quarry-1, Coordinates - 270S - 410S / 120W - 280W Cross section - X2Y2, X3Y3	Broadly within the lease area	Nil	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of overburden generation in m3	13650	1875	11775.000	Rule 11(1)
Remark: Generated overburden is only 14% of the quantity proposed for FY 2024-25. Remark File: NIL					
3	Quantity of topsoil generation in m3	428	400	28.000	No Violation
Remark: Top soil has been used for plantation work Remark File: NIL					
4	Stripping ratio : ore to OB ratio	1 : 0.16	1:0.17	NA	No Violation
Remark: NIL Remark File: NIL					

Final Submitted

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	One, Quarry-1	One, Quarry-1	NA	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of ROM mineral production proposed (in T)	82845	11097	71748.000	Rule 11(1)
Remark: Only 13% of the proposed ROM quantity has been achieved during FY 2024-25 Remark File: NIL					
3	Recovery of salable/usable mineral quantity from ROM production in T)	12841	409.165	12431.835	No Violation
Remark: 409.165 Tons of ROM have been sold to Laxmipur Beneficiation plant for beneficiation by the lessee. Generated saleable ROM quantity is only 3.2% of the quantity proposed which is caused by less ROM production during the financial year. Violation of 11(1) for less ROM production has already been issued. Remark File: NIL					
4	Quantity of mineral reject/Sub-grade generation	4142	0	4142.000	No Violation
Remark: There is no production of subgrade/mineral reject which is caused by less production of ROM during the financial year. Violation of 11(1) has already been issued for less ROM production. Remark File: NIL					
5	Grade of mineral reject/sub-grade generation as per threshold value declared	+2%-3% F.C	NIL	NA	No Violation
Remark: NIL Remark File: NIL					
6	Manual/Mechanised method adopted for	Semi mechanized (Other than fully mechanized)	Semi mechanized method adopted for segregation of ROM	NIL	No Violation

	segregating subgrade/mineral rejects from ROM				n
Remark: NIL Remark File: NIL					
7	Whether height of benches in Overburden & mineral suitable for method of mining proposed in mining plan	As per Mining plan the Bench height is supposed to be maintained at 6m and bench width 6m	The height and width of the benches in overburden and mineral is broadly maintained.	NA	No Violation
Remark: NIL Remark File: NIL					
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No	ROM and Sub - grade are blended and the homogenous mixture is utilized in the Beneficiation plant.	NA	No Violation
Remark: Sub - grade ore / mineral rejects which are initially stacked and subsequently beneficiated in the lease area for semi - enrichment 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	NA	NA	NA	No Violation
Remark: NIL Remark File: NIL					

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

	method adopted for dump working				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 dumping of topsoil, OB & mineral rejects, fines, tailings was proposed.	Topsoil, OB, Mineral Rejects have been dumped separately.	NA	No Violation
Remark: NIL Remark File: NIL					
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	Topsoil - 580S / 590S and 180W / 205W OB Dump 1-495S/540S and 80E / 120E Sub grade - 600S / 620S and 110W / 180W	Broadly within the proposed area.	NA	No Violation
Remark: NIL Remark File: NIL					
3	Number of active & Inative dumps	Active Dump -1	Active Dump -1	NA	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 stabilised	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	NA	NA	NA	No Violation
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	Violation under Rule
1	Status on part or full extraction of mineral from mined out area before starting backfilling	NIL	NIL	NIL	No Violation
Remark: The lease area is not matured enough for backfilling Remark File: NIL					
2	Year-wise area under backfilling of mined out area	NIL	NIL	NIL	No Violation
Remark: NIL					

Remark File: NIL					
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	2021 - 22 - 539 m3 2022 - 23 - 721 m3 2023 - 24 - 706 m3 2024 - 25 - 428 m3	2021 - 22 - 539 m3 2022 - 23 - 218 m3 2023 - 24 - 500 m3 2024 - 25 - 400 m3	NA	No Violation
Remark: The Top soil generated was utilized for plantation work Remark File: NIL					
4	Total area fully reclaimed & rehabilitated	NIL	NIL	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 for back filling in the Review of Mining Plan Period. Plantation of 1000 saplings at 0.4Ha area (7.5m wide safety zone along M.L boundary and barren area to the north of hill) was proposed.	Plantation carried out as per proposal	NA	No Violation

Remark: NIL Remark File: NIL					
2	Rehabilitation by making water reservoir	No proposal for Rehabilitation by making water reservoir	NA	NA	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	1000Nos. 0.40Ha. Plantation	1000Nos. 0.40Ha. Plantation	NA	No Violation
Remark: NIL Remark File: NIL					
4	Compliance of Environmental monitoring (core zone & buffer zone)	Core Zone & Buffer Zone	Environment monitoring in the Core Zone and Buffer Zone have been done periodically.	NA	No Violation
Remark: NIL 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	Sorting of ROM within the lease area was proposed	11097 Tons of ROM has been produced in the FY 2024-25. ROM and Sub - grade are blended and	NA	No Violation

	within lease area		the homogenous mixture is utilized in the Beneficiation plant.		n
Remark: 409.165 Tons of ROM (With less than 20% fixed carbon) have been sold to Laxmipur Beneficiation plant for beneficiation by the lessee. Remark File: NIL					
2	Different grade of mineral sorted out at mines	ROM +3%FC Subgrade 2 - 3%FC	+3%FC and 2-3% FC have been sorted separately in the mine and stacked in the earmarked area.	NA	No Violation
Remark: NIL Remark File: NIL					
3	Any beneficiation process at mines	Yes	No. Commissioning of Beneficiation plant within the lease area is under process	NA	No Violation
Remark: NIL Remark File: NIL					
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	-	Sub - grade ore / mineral rejects is initially stacked and subsequently beneficiated in the lease area for semi - enrichment	NA	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	428 m3 of topsoil was proposed for separate removal and utilization	400 m3 of topsoil is used for plantation	NIL	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	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
4	Plantation & Survival rate	1000Nos of saplings	1000Nos saplings & 37% plantation	NA	Rule 26(1)
Remark: Survival rate of the plantation is very low Remark File: NIL					
5	Water sprinkling on roads to control airborne dust	Mine water will be used for water spraying for dust suppression.	Water sprinkling by truck mounded sprinklers is being used for dust suppression.	NA	No Violation
Remark: NIL Remark File: NIL					

2.10 : Annual Return Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violatio
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					n under Rule
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.	Online monthly and annual returns have been submitted within time	NA	No Violation
Remark: NIL Remark File: NIL					
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	Mining Engineer & Geologist shall be appointed as per provisions of Rule 55 of MCDR,2017	Mining Engineer & Geologist has been appointed as per provisions of Rule 55 of MCDR,2017	NA	No Violation
Remark: NIL Remark File: NIL					
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	NA	Appears to be in correct order	NA	No Violation
Remark: NIL Remark File: NIL					
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	NA	NA	NA	No Violation
Remark: NIL Remark File: NIL					
5	Notices and Returns for the lease area submitted or not where fine applicable	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	NA	As per annual return, Ex-mine price: Rs, 500/tonne Sale value: Rs: 204582.50 Domestic sale to Pradhan industries Cost of production: Rs: 339.53/tonne	NA	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	NA	3 star	NA	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	Nil

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 ³	13650	1875	11775.000	Rule 11(1)
Remark: Generated overburden is only 14% of the quantity proposed for FY 2024-25. Remark File: NIL					
2	Exploitation - Opencast Mine : Quantity of ROM mineral production proposed (in T)	82845	11097	71748.000	Rule 11(1)
Remark: Only 13% of the proposed ROM quantity has been achieved during FY 2024-25 Remark File: NIL					
3	Environment : Plantation & Survival rate	1000Nos of saplings	1000Nos saplings & 37% plantation	NA	Rule 26(1)
Remark: Survival rate of the plantation is very low Remark File: NIL					

Esigned by: POULOMMI MONDAL
 Date: 15/01/2026 11:37:24 AM