

INDIAN BUREAU OF MINES

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

Part-I : General Information

1.1.1 Mine Details

Name of the Mine :	GANDABAHALI (31.869 HA)	Lease Area (Ha) :	28.615
Forest Area (Ha) :	N/A	Mine Code :	28ORI24005
Registration Number :	IBM/4399/2011	Name of lessee :	PRABHAS
Address of lessee :	SHANTIKUNJ ,FARM ROAD, MODIPARA	Phone of lessee :	0663-2403251
Email of lessee :	Jena_agi@hotmail.com	Fax Number :	N/A
Village :	Gandabahali	Taluka / Mandal :	Sinapali
District :	Nuapada	Pincode :	768002
State :	Odisha	Post Office :	N/A
Nearest Police Station :	Sinapali	Nearest Railway Station :	Kantabanji
Date of Grant of Mining Lease :	2005-02-15	Date of Mining Lease Execution :	2005-02-15
Date of opening in the mine :	2005-07-16		

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 Srinivas Thakur	Qualification of Mining Engineer :	Mining Engineer With Ist Class Manager
Address of Mining Engineer :	Sri Srinivas Thakur,Ist Class Manager, Gandabahali Graphite Mine, PO- Gandabahali, P.S. Sinapali, Dist.-Nuapada 766118	Phone of Mining Engineer :	N/A
Email of Mining Engineer :	N/A	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	2024-10-01		
Geologist Details			
Name of the Geologist :	Bikram Keshari Sahoo	Qualification of Geologist :	Msc. Geology
Address of Geologist :	Bikram Keshari Sahoo, Msc. Geology PO- Gandabahali,P.S.Sinapali,Dist.-Nuapada. MobileNo-9937771817,E-mail Bikramkesharisahoo534@gmail.com	Phone of Geologist :	N/A
Email of Geologist :	N/A	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2021-08-28		
Mine Manager Details			
Name of the Mine Manager :	Sri Srinivas Thakur	Qualification of Mine Manager :	Ist Class Manager Certificate Of Compitency

Address of Mine Manger :	Sri Srinivas Thakur, Ist Class Manager, Gandabahali Graphite Mine, PO- Gandabahali, P.S. Sinapali, Dist.-Nuapada,Odisha-766118	Phone of Mine Manger :	N/A
Email of Mine Manger :	N/A	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	2024-10-01		
Mineral(s) granted in lease and proved for mining :	GRAPHITE	Date of Approval of Mining Plan / Modified Mining Plan / ROMP with five-year period :	2025-05-02 (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 :	POULOMMI MONDAL
Designation :	Inspection Officer
Name of the Accompanying Official from Mine :	Asit Kumar Mukharji
Designation of the Accompanying Official :	Sr.Mining Mate.
Type of Inspection :	MCDR,STR
Date of Inspection :	09/12/2025
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	11	NA	No Violation
Remark: As per the approved RMP, 43 boreholes were proposed to be drilled in FY 2021-22. Out of that, only 7 were drilled during FY 2021-22 and 11 in FY 2024-25. Rest of the boreholes are not drilled. Remark File: NIL					
2	Number of DTH Boreholes	NIL	NIL	Nil	No Violation
Remark: NIL Remark File: NIL					
3	Number of exploratory pits / trial pits	NIL	NIL	Nil	No Violation
Remark: NIL Remark File: NIL					
4	Number of exploratory Trenches	NIL	NIL	Nil	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	23.722Ha.	25.115Ha.	NA	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	4.893Ha.	3.50Ha.	NA	No Violation
Remark: Area to be explored 8.00Ha 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)	As on date: 16.08.2020 Reserve Mineral (122)-181631T Mineral Resources (222)- 49000T Total-2,30,631T	As on 31/03/2025 Reserve Mineral (122)-169,074.20T & Mineral Resources (222)-49,000.00 T Total- 218,074.20 T	NA	No Violation
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, 45 S -262 S / 14W-76E	Quarry-1, S 62-235S / 35 E-230E	NA	No Violation
Remark: Broadly within the proposed area. Remark File: NIL					
2	Quantity of overburden generation in m3	69705	150002	-80297.000	Rule 11(1)
Remark: Actual generation of OB is 115% more than proposal Remark File: NIL					
3	Quantity of topsoil generation in m3	1064	1005	59.000	No Violation
Remark: NIL Remark File: NIL					
4	Stripping ratio : ore to OB ratio	1 : 5.4	1:154	NA	No Violation
Remark: Ore to OB ratio has been more than proposal due to high production of OB and less production of ROM. 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 (Quarry-1)	01 (Quarry-1)	NA	No Violation
Remark: Broadly as per proposal Remark File: NIL					
2	Quantity of ROM mineral production proposed (in T)	27102	974.700	26127.300	Rule 11(1)
Remark: Actual ROM generation is only 4% of the quantity proposed. Remark File: NIL					
3	Recovery of salable/usable mineral quantity from ROM production in T)	24091	1385.258	22705.742	No Violation
Remark: Actual saleable ROM generation is only 5.8% of the quantity proposed which is caused by less ROM production. Violation of 11(1) is already given for low ROM production. Remark File: NIL					
4	Quantity of mineral reject/Sub-grade generation	3011	0	3011.000	No Violation
Remark: The proposed production of mineral reject/subgrade for 2024-25 is 3011 tonne but no achievement of mineral reject/subgrade. Remark File: NIL					
5	Grade of mineral reject/sub-grade generation as per threshold value declared	Cut-off grade 5% threshold value 2%	NIL	NA	No Violation
Remark: NIL Remark File: NIL					
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	Manual	Manual	NA	No Violation

Remark: NIL Remark File: NIL					
7	Whether height of benches in Overburden & mineral suitable for method of mining proposed in mining plan	Bench height 10m and width 12m	Broadly as per proposal	NA	No Violation
Remark: NIL Remark File: NIL					
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	NA	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	Nil	Nil	NA	No Violation
Remark: No proposal for dump working. Remark File: NIL					
2	Quantity of dump material handling Proposed (in Tonne)	Nil	Nil	NA	No Violation

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

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 reject is proposed.	Carried out as per proposal	NA	No Violation
Remark: NIL Remark File: NIL					
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	7 nos. of waste dumps and one mineral reject stack and one topsoil stack exist within the lease area.	Broadly as per proposal	NA	No Violation
Remark: NIL Remark File: NIL					
3	Number of active & Inative dumps	7	7	0.000	No Violation
Remark: All dumps are active Remark File: NIL					
4	Number of dead dumps	Nil	Nil	NA	No Violation
Remark: Presently no dead dumps Remark File: NIL					
5	Number of dumps proposed for stabilished	Dump-3	Dump-3	NIL	No Violatio

					n
Remark: NIL Remark File: NIL					
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	Plantation	Plantation	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	NA	NA	NA	No Violatio n
Remark: Backfilling will be done after ore exhausted from the Mine. Presently not applicable Remark File: NIL					
2	Year-wise area under backfilling of mined out area	NA	NA	NA	No Violatio n
Remark: Backfilling will be done after ore exhausted from the Mine. Presently not applicable Remark File: NIL					
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	NA	NA	NA	No Violatio n

Remark: Backfilling will be done after ore exhausted from the Mine. Presently not applicable

Remark File: NIL

4	Total area fully reclaimed & rehabilitated	NA	NA	NA	No Violation
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Remark: Backfilling will be done after ore exhausted from the Mine. Presently not applicable

Remark File: NIL

5	Locations of proposed reclamation & rehabilitated	NA	NA	NA	No Violation
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Remark: Backfilling will be done after ore exhausted from the Mine. Presently not applicable

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.	Compliance on reclamation and rehabilitation by backfilling is not proposed. Plantation proposed for i)0.500 Ha ii)1250 nos. of saplings	Plantation achieved for i)0.61Ha ii)1525 nos. of Plantation	NA	No Violation

Remark: NIL

Remark File: NIL

2	Rehabilitation by making water reservoir	Nil	Nil	NA	No Violation
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Remark: NIL Remark File: NIL					
3	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i. 1250 ii. 0.500 iii. Plantation	i. 1525 ii. 0.61 iii. Plantation	NA	No Violation
Remark: NIL Remark File: NIL					
4	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring regularly	Monitoring regularly	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 within lease area	ROM dispatch proposed	1385.258 tonne ROM is dispatched to Agrawal Graphite Industries	Nil	No Violation
Remark: Rom Mineral dispatched to plant for beneficiation. Remark File: NIL					
2	Different grade of mineral sorted out at mines	Graphite ore: 5% FC and subgrade 2-5% FC	Subgrade not produced	NA	No Violation

Remark: NIL Remark File: NIL					
3	Any beneficiation process at mines	No beneficiation process within the lease area	No beneficiation process within the lease area	NA	No Violation
Remark: The rom dispatched from the lease area and beneficiation carried out outside the lease area. Remark File: NIL					
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	Blending at ROM	Subgrade not produced	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	Yes. Separate Removal of top Soil proposed	Carried out as per proposal	NA	No Violation
Remark: Tops soil is stacked separately for concurrent use. Remark File: NIL					
2	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	NA	No Violation
Remark: Lease area not matured for restoration.					

Remark File: NIL					
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	NA	No Violation
Remark: Lease area not matured for restoration. Remark File: NIL					
4	Plantation & Survival rate	1250nos. of plantation	1525nos. of plantation and 60% survival rate	NA	Rule 26(2)
Remark: Survival rate of plantation is below 70% Remark File: NIL					
5	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust is proposed	Water sprinkling on roads has been done periodically for control of airborne dust	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	Violation under Rule
1	Submission of Online Monthly and Annual returns in prescribed period or not	YES	YES	NA	No Violation
Remark: All types of returns has been submitted by online and off line within prescribed period. Remark File: NIL					
2	Appointment of Mining	Yes	MiningEngineer-1 Geologist-1	NA	No

	Engineer & Geologist as per provisions of Rule 55 of MCDR,2017				Violation
Remark: Mining Engineer and Geologist has been appointed in mine as per Rule 55 of MCDR,2017 Remark File: NIL					
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	NA	Cost of production is not furnished in AR. Drilling metrage furnished for FY 2023-24 is not matching with the same shown at the beginning of FY 2024-25.	NA	Rule 45(7)
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	NA	NA	NA	No Violation
Remark: NIL Remark File: NIL					
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	NA	Ex-mine price Rs. 522.08/tonne, sale value Rs. 1735728	Appears to be correct	No Violation
Remark: NIL Remark File: NIL					

2.11 : SDF Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violatio
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					n under Rule
1	Start Ratings accorded for mine during last 3 years	NA	3	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 -	69705	150002	-80297.000	Rule

	Opencast : Quantity of overburden generation in m3				11(1)
Remark: Actual generation of OB is 115% more than proposal Remark File: NIL					
2	Exploitation - Opencast Mine : Quantity of ROM mineral production proposed (in T)	27102	974.700	26127.300	Rule 11(1)
Remark: Actual ROM generation is only 4% of the quantity proposed. Remark File: NIL					
3	Environment : Plantation & Survival rate	1250nos. of plantation	1525nos. of plantation and 60% survival rate	NA	Rule 26(2)
Remark: Survival rate of plantation is below 70% Remark File: NIL					
4	Annual Return : Whether incomplete or false or wrong returns submitted (Rule 45(7))	NA	Cost of production is not furnished in AR. Drilling metrage furnished for FY 2023-24 is not matching with the same shown at the beginning of FY 2024-25.	NA	Rule 45(7)
Remark: NIL Remark File: NIL					

Esigned by: POULOMMI MONDAL
Date: 04/02/2026 04:36:07 PM