

INDIAN BUREAU OF MINES

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

Part-I : General Information

1.1.1 Mine Details

Name of the Mine :	30ORI08124	Lease Area (Ha) :	74.702
Forest Area (Ha) :	63	Mine Code :	30ORI08124
Registration Number :	IBM/4329/2011	Name of lessee :	NARBHERAM POWER & STEEL PVT LTD
Address of lessee :	AVANI SIGNATURE ,91A/1 , 6TH FLOOR, PARK STREET	Phone of lessee :	334-1008400
Email of lessee :	Npspl@athagroup.in	Fax Number :	N/A
Village :	Tanto	Taluka / Mandal :	Barbil
District :	Kendujhar	Pincode :	700016
State :	Odisha	Post Office :	N/A
Nearest Police Station :	N/A	Nearest Railway Station :	N/A
Date of Grant of Mining Lease :	2020-06-29	Date of Mining Lease Execution :	2020-06-29
Date of opening in the mine :	Nilsss		

Nominated Owner Details			
Name of the Nominated Owner :	Mr VISHAL ATHA	Nominated Owner Address:	91A/1, AVANI SIGNATURE, PARK STREET, KOLKATA
Nominated Owner Mobile :	9748735261	Nominated Owner Email :	Npspl@athagroup.in
Nominated Owner Fax Number :	Nil	Date of Nominated Owner Appointment :	2020-06-29
Mining Engineer Details			
Name of the Mining Engineer :	Sanjaya Samal	Qualification of Mining Engineer :	BTech
Address of Mining Engineer :	Narbheram Complex, Opposite Of Barbil Cenema Hall Main Road, Barbil, Keonjhar Odisha - 758035	Phone of Mining Engineer :	8763029709
Email of Mining Engineer :	Npspl@athagroup.in	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	2020-06-01		
Geologist Details			
Name of the Geologist :	Atanu Bandopadhyay	Qualification of Geologist :	M.Sc. – Applied Geology
Address of Geologist :	Narbheram Complex, Opposite Of Barbil Cenema Hall Main Road, Barbil, Keonjhar Odisha - 758035	Phone of Geologist :	9692688641
Email of Geologist :	Npspl@athagroup.in	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2020-06-01		
Mine Manager Details			
Name of the Mine Manager :	Prasanta Kumar Mohanty	Qualification of Mine Manager :	AMIE

Address of Mine Manger :	Narbheram Complex, Opposite Of Barbil Cenema Hall Main Road, Barbil, Keonjhar Odisha - 758035	Phone of Mine Manger :	7752011137
Email of Mine Manger :	Npspl@athagroup.in	Fax Number of Mine Manger :	NA
Date of Mine Manger Appointment :	2020-06-01		
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 :	2025-01-03 (2025 - 2029)
Method of mining :	Open Cast	Category :	MECHANISED
Nature of Use :	Captive		

Part-II : Other Information

2.1.1 : Inspection Details

Inspecting Officer :	VIKRAM DESHPANDE
Designation :	ACOM
Name of the Accompanying Official from Mine :	Prasanta Kumar Mohanty
Designation of the Accompanying Official :	Mines Manager
Type of Inspection :	MCDR
Date of Inspection :	28/07/2025
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	Remark	Remark File
1	Number of Core Boreholes		14	14	0.000	No Violation	Nil	Nil
2	Number of DTH Boreholes		0	0	0.000	No Violation	Nil	Nil
3	Number of exploratory pits / trial pits		0	0	0.000	No Violation	Nil	Nil
4	Number of exploratory Trenches		0	0	0.000	No Violation	Nil	Nil
5	Lateral exploration status for the lease area	G1	0	0	0.000	No Violation	Nil	Nil
6		G2	0	0	0.000	No Violation	Nil	Nil
7		G3	0	0	0.000	No Violation	Nil	Nil
8		G4	0	0	0.000	No Violation	Nil	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 total Reserves-17,400,920.00 Total Total Mineral Resources-0 Figures as on 31/03/2024	Iron Total Reserves-15,743,756.28 Total Mineral Resources-0 Figures as on 31/03/2025	0	No Violation	Nil	Nil

2.3.1 : Development - Opencast Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Location of development w.r.t. lease area	Q-6: N2438310- N2438040/ E330795-E33141 0 Bottom -480 mRL Q-2: N2437 940-N2437750/ E331595-E33179 0 Bottom -492mRL	Q-6: 2438229 N 2438144 N / 330770 E 331491 E Bottom -482mRL Q-2: 331601E 331634E / 2437971 N 2437545 N Bottom -510 mRL	Deviation observed	No Violation	Lateral extent of the pits restricted	Nil
2	Quantity of overburden generation in m3	368800	423877.300	-55077.300	No Violation	Backlog of 2023-24 hence more waste generation and also due to non- availability of dumping ground	Nil
3	Quantity of topsoil generation in m3	0	0	0.000	No Violation	No Proposal	Nil
4	Stripping ratio : ore to OB ratio	1:0.1800	1:0.3180	Higher	No Violation	Backlog of 2023-24 hence more waste generation and also due to non-	Nil

						availability of dumping ground	
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2.4.1 Exploitation - Opencast Mine Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of pits / Blocks proposed for production	02	02	0.000	No Violation	Quarry-2 and 6	Nil
2	Quantity of ROM mineral production proposed (in T)	3499930.00	2665597.42	834332.580	No Violation	Limited to EC	Nil
3	Recovery of salable/usable mineral quantity from ROM production in T)	2665597.42	2665597.42	0.000	No Violation	Nil	Nil
4	Quantity of mineral reject/Sub-grade generation	231390	674194.27	-442804.270	No Violation	More generation of Rejects due to contamination of ore.	Nil
5	Grade of mineral reject/sub-grade generation as per threshold value declared	45-55%	45-55%	0	No Violation	Average Grade 52.16	Nil
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	Mechanised	Mechanised	0	No Violation	Nil	Nil
7	Whether height of benches in Overburden & mineral suitable for	6m Height and 8-14 m width.	More than proposed	Deviation observed	Rule 11(1)	Pit-2	Nil

	method of mining proposed in mining plan						
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not carried Out	0	No Violation	Nil	Nil

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2.4.3 : Exploitation - Dump Working Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of dumps proposed for production	0	0	0.000	No Violation	Nil	Nil
2	Quantity of dump material handling Proposed (in Tonne)	0	0	0.000	No Violation	Nil	Nil
3	Recovery of salable/usable mineral from dump production (in Tonne)	0	0	0.000	No Violation	Nil	Nil
4	Production from dump(s) during the year	0	0	0.000	No Violation	Nil	Nil
5	Quantity of mineral reject generation	0	0	0.000	No Violation	Nil	Nil
6	Grade of mineral reject generation and threshold value declared	0	0	0.000	No Violation	Nil	Nil
7	Any analysis or beneficiation study proposed & carried out for mineral reject	0	0	0.000	No Violation	Nil	Nil
8	Manual / Mechanized method adopted for dump working	0	0	0.000	No Violation	Nil	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	Remark	Remark File
1	Separate dumping of topsoil, OB & mineral rejects, fines, tailings (Rule 36,37)	Separate dumping of OB proposed	Separate dumping of OB carried out	0	No Violation	Nil	Nil
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	E331658 - E332011 N2437192 - N2437770	E332026 - E332012 N2437844 - N2437655	Dump-2 not done	Rule 11(1)	Nil	Nil
3	Number of active & Inative dumps	1	1	0.000	No Violation	Nil	Nil
4	Number of dead dumps	0	0	0.000	No Violation	Nil	Nil
5	Number of dumps proposed for stabilished	0	0	0.000	No Violation	Nil	Nil
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	0	0	0.000	No Violation	Nil	Nil

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2.6.1 : Solid Waste Management - Backfilling (Opencast) Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Status on part or full extraction of mineral from mined out area before starting backfilling	Backfilling after full extraction of mineral from mined out area proposed	Carried out	0	No Violation	Nil	Nil
2	Year-wise area under backfilling of mined out area	0	0.620	-0.620	No Violation	Proposal for 2023-24 could not be done due to awaiting tree felling permission. The same was carried out in 2024-25	Nil
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	0	0	0.000	No Violation	No proposal during reporting year	Nil
4	Total area fully reclaimed & rehabilitated	1.571	2.191	-0.620	No Violation	Proposal for 2023-24 could not be done due to awaiting tree felling permission. The same was carried out in 2024-25.	Nil
5	Locations of proposed reclamation & rehabilitated	0	0	0.000	No Violation	Nil	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	Remark	Remark File
1	Compliance on reclamation and rehabilitation by backfilling/Other means Total area and numbers of plantation proposed.	1.571 0.215 ha, 500 plants	2.191 8500, 1.484 ha	-0.620	No Violation	Nil	Nil
2	Rehabilitation by making water reservoir	0	0	0.000	No Violation	Nil	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	Nil	Nil
4	Compliance of Environmental monitoring (core zone & buffer zone)	Compliance of Environmental monitoring (core zone & buffer zone) Ambient Air Monitoring Core: Buffer: Fugitive Air Monitoring Core: Ground Water Monitoring Core: Buffer: Surface Water Monitoring Buffer: Noise	Done as proposed	0	No Violation	Nil	Nil

		Monitoring Core: Buffer:					
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2.8.1 : Mineral Conservation Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	ROM Mineral dispatch or grade-wise sorting within lease area	Not Proposed	Not Done	0	No Violation	No Beneficiation is carried out by the lessee. Only size separation of the ROM is being carried out by the lessee through Screening & Crushing Plants	Nil
2	Different grade of mineral sorted out at mines	NA	NA	0	No Violation	No Beneficiation is carried out by the lessee. Only size separation of the ROM is being carried out by the lessee through Screening & Crushing Plants	Nil
3	Any beneficiation process at mines	Not Proposed	Not Carried out	Nil	No Violation	No Beneficiation is carried out by the lessee. Only size separation of the ROM is being	Nil

						carried out by the lessee through Screening & Crushing Plants	
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	NA	NA	Nil	No Violation	Nil	Nil

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2.9.1 : Environment Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Separate removal and utilization of topsoil	0	0	0.000	No Violation	No proposal of topsoil generation during reporting year	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	Nil	Nil
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0	0	0.000	No Violation	Nil	Nil
4	Plantation & Survival rate	500 92%	8500 95%	-8000.000	No Violation	Nil	Nil
5	Water sprinkling on roads to control airborne dust	Proposed	Carried	0	No Violation	Total 98 numbers of permanent water sprinklers have been installed all along the main haulage road in the mine. In addition to that mobile water sprinklers are also used to suppress fugitive dust on haul roads and other transport roads.	Nil

2.10 : Annual Return Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Submission of Online Monthly and Annual returns in prescribed period or not	To be submitted within time frame.	Submitted within time frame	0	No Violation	Nil	Nil
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	Manager: Mr. Prasanata Kumar Mohanty Mining Engineer: Mr. Sanjaya Samal Geologist: Mr. Atanu Bandopadhyay	Manager: Mr. Prasanata Kumar Mohanty Mining Engineer: Mr. Sanjaya Samal Geologist: Mr. Atanu Bandopadhyay	0	No Violation	AR 2024-25	Nil
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	To be submitted correct in all aspects.	Done	0	No Violation	Nil	Nil
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	0	0	0.000	No Violation	Not Due	Nil
5	Notices and Returns for the lease area submitted or not where fine applicable	Notices and Returns to be submitted	Done	0	No Violation	Nil	Nil
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine Price and Cost of Production is Rs 4524.54	Appears to be correct	0	No Violation	Nil	Nil

2.11 : SDF Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Start Ratings accorded for mine during last 3 years	4	3	1.000	No Violation	Nil	Nil

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

S.N.	Reports File	Remark File Description
1	Signed_VL_Roida-II_Narbheram.pdf	Nil

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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	Remark	Remark File
1	Exploitation - Opencast Mine : Whether height of benches in Overburden & mineral suitable for method of mining proposed in mining plan	6m Height and 8-14 m width.	More than proposed	Deviation observed	Rule 11(1)	Pit-2	Nil
2	OB / Waste Dumps details : Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	E331658 - E332011 N2437192 - N2437770	E332026 - E332012 N2437844 - N2437655	Dump-2 not done	Rule 11(1)	Nil	Nil
3	Upto date plans and sections to be maintained	Upto date plans and sections to be maintained	upto date plans and sections were not found to be maintained	upto date plans and sections were not found to be maintained	Rule 31(4)	Nil	Signed VL Roid a- II_Narbheram.pdf

Esigned by:  VIKRAM DESHPANDE
Date: 24/08/2025 05:14:12 PM