

INDIAN BUREAU OF MINES

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

Part-I : General Information

1.1.1 Mine Details

Name of the Mine :	30ORI13035	Lease Area (Ha) :	49.372
Forest Area (Ha) :	49	Mine Code :	30ORI13035
Registration Number :	IBM/4124/2011	Name of lessee :	PENGUIN TRADING & AGENCIES LTD
Address of lessee :	SURABHI BUILDING, 5TH FLOOR ,LOUDON STREET, KOLKATTA	Phone of lessee :	033-22871016
Email of lessee :	Penguinbbl@gmail.com	Fax Number :	N/A
Village :	Raikela	Taluka / Mandal :	Koida
District :	Sundargarh	Pincode :	700017
State :	Odisha	Post Office :	N/A
Nearest Police Station :	Koira	Nearest Railway Station :	Barsuan
Date of Grant of Mining Lease :	1986-12-11	Date of Mining Lease Execution :	1986-12-03
Date of opening in the mine :	1987-07-27		

Nominated Owner Details			
Name of the Nominated Owner :	Mr NIRMAL KUMAR BATHWAL	Nominated Owner Address:	SURABHI BUILDING 8/1/2, LOUDON STREET KOLKATA-7000
Nominated Owner Mobile :	9337611819	Nominated Owner Email :	Ho@bathwalcorp.com
Nominated Owner Fax Number :	Nil	Date of Nominated Owner Appointment :	2003-04-01
Mining Engineer Details			
Name of the Mining Engineer :	Mr. S.S. Pradhan, Mining Engineer,	Qualification of Mining Engineer :	B. Tech In Mining Engineering,
Address of Mining Engineer :	Raikela & Tantra Iron Mines Penguin Trading & Agencies Ltd; AT-Raikela, PO-Dengula-770048 DIST-Sundargarh (Odisha).	Phone of Mining Engineer :	7077244759
Email of Mining Engineer :	Penguinbbl@gmail.com	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	2023-08-01		
Geologist Details			
Name of the Geologist :	Mr.J.P. Rout	Qualification of Geologist :	M.Sc (Applied Geology)
Address of Geologist :	Raikela & Tantra Iron Mines Penguin Trading & Agencies Ltd; AT-Raikela, PO-Dengula-770048 DIST-Sundargarh (Odisha).	Phone of Geologist :	9337918042
Email of Geologist :	Penguinbbl@gmail.com	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2011-11-01		
Mine Manager Details			
Name of the Mine Manager :	Mr. T. D. Behera,	Qualification of Mine Manager :	Diploma In Mining Engineering;

Address of Mine Manger :	Raikela & Tantra Iron Mines Penguin Trading & Agencies Ltd; AT-Raikela, PO-Dengula-770048 DIST-Sundargarh (Odisha).	Phone of Mine Manger :	9439591863
Email of Mine Manger :	Penguinbbl@gmail.com	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	2013-08-14		
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 :	OTHER_THAN_MECHANISED
Nature of Use :	Non Captive		

Part-II : Other Information

2.1.1 : Inspection Details

Inspecting Officer :	SHRINIVAS BUDIME
Designation :	ASSISTANT CONTROLLER OF MINES
Name of the Accompanying Official from Mine :	Mr. S.S. Pradhan, Mining Engineer, Mr.J.P. Rout, Mr. T. D. Behera,
Designation of the Accompanying Official :	B. Tech in Mining Engineering, M.Sc (Applied Geology), Diploma in Mining Engineering;
Type of Inspection :	MCDR,MPAS,STR
Date of Inspection :	18/10/2025
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		No Valid proposal for the year 2024-2025	Nil	Nil	No Violation	Nil	Nil
2	Number of DTH Boreholes		No Valid proposal for the year 2024-2025	Nil	Nil	No Violation	Nil	Nil
3	Number of exploratory pits / trial pits		No Valid proposal for the year 2024-2025	Nil	Nil	No Violation	Nil	Nil
4	Number of exploratory Trenches		No Valid proposal for the year 2024-2025	Nil	Nil	No Violation	Nil	Nil
5	Lateral exploration status for the lease area	G1	49.372 Ha	49.372 Ha	0	No Violation	Nil	Nil
6		G2	0.00	0	0.000	No Violation	Nil	Nil
7		G3	0.00	0	0.000	No Violation	Nil	Nil
8		G4	0.00	0	0.000	No Violation	Nil	Nil
9	UNFC category wise reported Resources/Reserves as per MP/MMP ROMP		Resource as on 01.04.2025 as per Approved MMP 111- 41345675	Nil	Nil	No Violation	Nil	Nil

	Total Reserves (111, 121 & 122) and Total Mineral Resources (331, 332 & 333 upto 334)	MT 211-2829675 MT Total 44175350 MT				
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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	Location of development w.r.t. lease area Raikela quarry -N242026 8-N2420529. E311834-E31206 8 Top R. L835 m.& Bottom R. L790 m. Joint Mining: N242082 4-N2421055 E311967-E31221 5 Top R.L810 m.& Bottom R.L754 m.Raikela quarry -N2420268-N2420529. E311834-E31206 8 Top R. L835 m.& Bottom R. L790 m. Joint Mining: N242082	2a Location of development w.r.t. lease area Raikela quarry -N242026 8-N2420529. E311834-E31206 8 Top R. L835 m.& Bottom R. L790 m. Joint Mining: N242082 4-N2421055 E311967-E31221 5 Top R.L810 m.& Bottom R.L754 m.Raikela quarry -N2420268-N2420529. E311834-E31206 8 Top R. L835 m.& Bottom R. L790 m. Joint Mining: N242082	Nil	No Violation	Nil	Nil

		4-N2421055 E311967-E31221 5 Top R.L810 m.& Bottom R.L757 m	4-N2421055 E311967-E31221 5 Top R.L810 m.& Bottom R.L757 m				
2	Quantity of overburden generation in m ³	65,143 Cum.	65,117 Cum.	26 Cum	No Violation	The deviation is 26 cu.mtr. which is around 0.04%. hence no violation is issued.	Nil
3	Quantity of topsoil generation in m ³	0	0	0.000	No Violation	Nil	Nil
4	Stripping ratio : ore to OB ratio	1:0.024T/m ³	1:0.025 T/m ³	Nil	No Violation	Nil	Nil

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	2 Nos. Dimensions of Pits Raikela 302m x 232 m. Top R. L835 m.& Bottom R. L790 m. Joint Mining 241.5mx 221 m. Top R.L810 m.&	2 Nos. Dimensions of Pits Raikela 302 x 232 m. Top R. L835 m.& Bottom R. L790 m. Joint Mining 241.5mx 221 m. Top R.L810 m.&	Nil	No Violation	Nil	Nil

		Bottom R.L754 m.	Bottom R.L757 m.				
2	Quantity of ROM mineral production proposed (in T)	2592000	2591000	1000.000	No Violation	The deviation is 1000 tonnes, which is around 0.04%. hence no violation is issued.	Nil
3	Recovery of salable/usable mineral quantity from ROM production in T)	2592000	2591000	1000.000	No Violation	Nil	Nil
4	Quantity of mineral reject/Sub-grade generation	6,10,150 MT i.e. included in RoM	6,10,150 MT i.e. included in RoM	Nil	No Violation	Nil	Nil
5	Grade of mineral reject/sub-grade generation as per threshold value declared	Cut -off grade & Threshold value declared as per approved Mining Plan is- + 45% Fe.	Cut -off grade & Threshold value declared as per approved Mining Plan is- + 45% Fe.	Nil	No Violation	Nil	Nil
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	Mechanised method	Mechanised method	Nil	No Violation	Nil	Nil
7	Whether height of benches in Overburden& mineral suitable for method of mining proposed in mining plan	Height-9m Width-12m	Height-9m Width-12m	Nil	No Violation	Nil	Nil
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Not done	Nil	No Violation	Nil	Nil

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	Not Proposed	Not Done	Nil	No Violation	Nil	Nil
2	Quantity of dump material handling Proposed (in Tonne)	Nil	Nil	Nil	No Violation	Nil	Nil
3	Recovery of salable/usable mineral from dump production (in Tonne)	Nil	Nil	Nil	No Violation	Nil	Nil
4	Production from dump(s) during the year	Nil	Nil	Nil	No Violation	Nil	Nil
5	Quantity of mineral reject generation	Nil	Nil	Nil	No Violation	Nil	Nil
6	Grade of mineral reject generation and threshold value declared	Nil	Nil	Nil	No Violation	Nil	Nil
7	Any analysis or beneficiation study proposed & carried out for mineral reject	Nil	Nil	Nil	No Violation	Nil	Nil
8	Manual / Mechanized method adopted for dump working	Nil	Nil	Nil	No Violation	Nil	Nil

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)	Yes,	Yes,	Nil	No Violation	Nil	Nil
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	Topsoil-Nil OB/Waste- N242 0227-N2420321 E312258-E31241 0 RL-717.5-703 6,10,150 MT i.e. included in RoM	Topsoil-Nil OB/Waste- N242 0227-N2420321 E312258-E31241 0 RL-717.5-703 6,10,150 MT i.e. included in RoM	Nil	No Violation	Nil	Nil
3	Number of active & Inative dumps	Dump ID : Dump 1, Dump Type : Waste, Dump Status : Stabilised 1091510.00 Cum., Dump ID : Dump 2, Dump Type : Waste, Dump Status : Active	Dump ID : Dump 1, Dump Type : Waste, Dump Status : Stabilised 1091510.00 Cum., , Dump ID : Dump 2, Dump Type : Waste, Dump Status : Active	Nil	No Violation	Nil	Nil
4	Number of dead dumps	01 Nos West of G1 Pillar	01 Nos West of G1 Pillar	Nil	No Violation	Nil	Nil
5	Number of dumps proposed for stabilished	Year : 2024-2025, Dump ID : Dump-2	Year : 2024-2025, Dump ID : Dump-2	Nil	No Violation	Nil	Nil
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	Plantation	Plantation	Nil	No Violation	Nil	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	Remark	Remark File
1	Status on part or full extraction of mineral from mined out area before starting backfilling	Full Extraction proposed	Full Extraction done	Nil	No Violation	Core drilling has been done on the area and found that there is no ore exists, so back filling has been done. BH No-38, N21052´31.1´´ ; E85011´05.1´´ ; BH No-54, N21052´35.9´´ E85010´04.3´´ ; BH No-57, N21052´34.6´´ E85011´01.8´´ ; BH No-59, N21052´38.1´´ E85010´04.6´´ ; BH No-61, N21052´38.4´´ E85011´01.6´´	Nil

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						´ BH No-97, N21052& acute;35.4´ ´ E85010& acute;57.1´ ´ The above Bore Holes has been done on the area and found that there is no Ore exist.so back filling has been done.	
2	Year-wise area under backfilling of mined out area	Area under backfilling of mined out are proposed for the year 2024-2025 was 0.83 Ha	Area backfilled for the year 2024-2025 is 0.83 Ha	Nil	No Violation	Nil	Nil
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	No Top Soil Generation proposed during reporting year 2024-2025	Not Done	Nil	No Violation	Nil	Nil
4	Total area fully reclaimed & rehabilitated	6.280 Ha. For the Year 2024-2025 was Partly: 0.40 Ha.	Partly: 0.40 Ha.	Nil	No Violation	Nil	Nil
5	Locations of proposed reclamation & rehabilitated	Safety zone area: 0.218 Ha	Safety zone area: 0.218 Ha	Nil	No Violation	Nil	Nil

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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.	Yes 1000 Nos Area-0.25Ha	Yes, Annual report on PMCP submitted on dtd.28.06.2025	Nil	No Violation	Nil	Nil
2	Rehabilitation by making water reservoir	Nil	Nil	Nil	No Violation	Nil	Nil
3	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i)1000 ii)0.25 Ha iii)Plantation	i)3190 ii)0.25 Ha iii)Plantation	Nil	No Violation	Nil	Nil
4	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental Monitoring proposed in Core and buffer zone proposed as per MoEFCC and SPCB guidelines.	Regular Environmental Monitoring is carried out for air,water,noise on qtrly basis.	Nil	No Violation	Env monitoring is being carried out By third party. Name- Cleenviron Private Limited and all Environmental Parameters are within prescribed limits	Nil

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	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting proposed within lease area	Nil	No Violation	Nil	Nil
2	Different grade of mineral sorted out at mines	CLO, Lumps and Fines proposed to be sorted out from the mines. Lump: 45-51% Fe 51-55% Fe Fines: 45-51% Fe 51-55% Fe 55-58% Fe 58-60% Fe 60-62% Fe 62-65% Fe 65% & Above CLO: - 62% Fe Any Size 62-65%(5- 18) Fe 62-65% Fe(10-40)	CLO, Lumps and Fines are sorted out from the mines. Lump: 45-51% Fe 51-55% Fe Fines: 45-51% Fe 51-55% Fe 55-58% Fe 58-60% Fe 60-62% Fe 62-65% Fe 65% & Above CLO: - 62% Fe Any Size 62-65%(5- 18) Fe 62-65% Fe(10-40)	Nil	No Violation	Nil	Nil
3	Any beneficiation process at mines	No Beneficiation process proposed	No Beneficiation process carried out	Nil	No Violation	Nil	Nil
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	Blending at ROM stage	Blending at ROM stage	Nil	No Violation	Nil	Nil

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	Not Proposed	Not Done	Nil	No Violation	Nil	Nil
2	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Use of overburden for restoring the land to its original use.	Backfilled has been done over 4.78 Ha.	Nil	No Violation	Nil	Nil
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Valid proposal for the year 2024-2025	Nil	Nil	No Violation	Nil	Nil
4	Plantation & Survival rate	Plantation proposed for the year 2024-2025 is-1000 Nos Survival-80%	Plantation done is -3190Nos Survival-79%	Nil	No Violation	Nil	Nil
5	Water sprinkling on roads to control airborne dust	Water sprinkling proposed on haul roads to suppress the dust.	03 nos Water tankers out of which 02 nos 20KL and 01 nos 25 KL water tanker deployed for water sprinkling on roads to control airborne dust. 1100 m fixed water sprinkling system installed. Crusher & Screen plants and wet	Nil	No Violation	Nil	Nil

			drilling system adopted for control airborne dust				
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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	Shall be submitted as per the prescribed timelines	Last date of submission of online monthly return is on 09.10.2025 & Annual return on 28.06.2025.	Nil	No Violation	Nil	Nil
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	Yes	Yes Mr. S.S. Pradhan(Mining Engineer) Mr.J.P. Rout(Mining Geologist) Mr. T. D. Behera,(Mines Manager)	Nil	No Violation	Nil	Nil
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	No	No	Nil	No Violation	Nil	Nil
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	Nil	Nil	Nil	No Violation	Nil	Nil
5	Notices and Returns for the lease area submitted or not where fine applicable	Notices and Returns for the	Submitted within time and in	Nil	No Violation	Nil	Nil

		lease area shall be submitted within the prescribed time and format	prescribed format				
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-Mines Price-3051.34 Cost of Production: Rs. 2491.41	Nil	Nil	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	Year of Submission : 2022-2023 , Rating : 4 Stars . 2023-2024 , Rating : 4 Stars	Actual 2022-2023 , Rating : 3 Stars . 2023-2024 , Rating : 3 Stars	Nil	No Violation	Nil	Nil

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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	Remark	Remark File
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Esigned by: SHRINIVAS BUDIME
Date: 05/11/2025 11:05:11 AM