

# INDIAN BUREAU OF MINES

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

### Part-I : General Information

#### 1.1.1 Mine Details

Name of the Mine :	KHANDBANDH	Lease Area (Ha) :	366.311
Forest Area (Ha) :	345	Mine Code :	30ORI08036
Registration Number :	IBM/4269/2011	Name of lessee :	THE ORISSA MINING CORPORATION LIMITED
Address of lessee :	A GOVT. OF ORISSA UNDERTAKING ,OMC HOUSE, UNIT-5, POST BOX NO.34, BHUBANESWAR	Phone of lessee :	0674-2392778
Email of lessee :	Planningcellomc@gmail.com	Fax Number :	N/A
Village :	Gurudacamp	Taluka / Mandal :	Joda
District :	Kendujhar	Pincode :	751001
State :	Odisha	Post Office :	N/A
Nearest Police Station :	N/A	Nearest Railway Station :	N/A
Date of Grant of Mining Lease :	2063-11-11	Date of Mining Lease Execution :	2063-11-11

Date of opening in the mine :	2022-05-16		
<b>Nominated Owner Details</b>			
Name of the Nominated Owner :	Mr Sudhansu Mohan Samal	Nominated Owner Address:	Qrs. No.C-1, Unit-IX(Flat) Bhubaneswar -751022
Nominated Owner Mobile :	8763317102	Nominated Owner Email :	Md@odishamining.in
Nominated Owner Fax Number :	Nil	Date of Nominated Owner Appointment :	2024-11-25
<b>Mining Engineer Details</b>			
Name of the Mining Engineer :	Sri Sanjib Kumar Pradhan	Qualification of Mining Engineer :	B.Tech (Mining)
Address of Mining Engineer :	At/Po- Khandbandh, Ps- Bamebari, Via- Joda, Dist- Keonjhar, Pin-758034	Phone of Mining Engineer :	7327961430
Email of Mining Engineer :	Manager.khandabandh@gmail.com	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	2024-07-05		
<b>Geologist Details</b>			
Name of the Geologist :	Mr. Panchanan Sahoo	Qualification of Geologist :	MSc,(Geology)
Address of Geologist :	At/Po-Khandbandh Ps- Bamebari, Via- Joda, Dist- Keonjhar, Pin- 758034	Phone of Geologist :	9669617372
Email of Geologist :	Sahoopanchanan192@gmail.com	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2023-09-25		
<b>Mine Manager Details</b>			
Name of the Mine Manager :	Sri Sanjib Kumar Pradhan	Qualification of Mine Manager :	B.Tech (Mining)

Address of Mine Manger :	At/Po- Khandbandh, Ps- Bamebari, Via- Joda, Dist- Keonjhar, Pin-758034	Phone of Mine Manger :	7327961430
Email of Mine Manger :	Manager.khandabandh@gmail.com	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	2024-03-30		
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 :	2022-12-29 (2023 - 2027)
Method of mining :	Open Cast	Category :	MECHANISED
Nature of Use :	Non Captive		

## Part-II : Other Information

### 2.1.1 : Inspection Details

Inspecting Officer :	ROHITA SETHI
Designation :	ACOM
Name of the Accompanying Official from Mine :	Sri. Sanjib Kumar Pradhan, Sri. Giridhari Parida
Designation of the Accompanying Official :	Mines Manager, Sr. Manager (Mining)
Type of Inspection :	MCDR,STR
Date of Inspection :	31/10/2025
Review year considered for MCDR Inspection :	2024-2025

**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 Proposal	Nil	0.000	No Violation	No proposal for the reporting year as entire potentially mineralized area has been explored under G1 Level of exploration.	Nil
2	Number of DTH Boreholes	No Proposal	Nil	0.000	No Violation	Nil	Nil
3	Number of exploratory pits / trial pits	No Proposal	Nil	0.000	No Violation	Nil	Nil
4	Number of exploratory Trenches	No Proposal	Nil	0.00	No Violation	Nil	Nil
5	Lateral exploration status for the lease area	G1	192.251	192.251	0.000	No Violation	Nil
6		G2	9.48	9.48	0.000	No Violation	Nil
7		G3	36.391	36.391	0.000	No Violation	Nil
8		G4	0.00	0.00	0.000	No Violation	Nil
9	UNFC category wise reported Resources/Reserves as per MP/MMP	IRON ORE - Total Reserve as	Reserves as on 31/03/2025: 111-	Nil	No Violation	Nil	Nil

	ROMP Total Reserves (111, 121 & 122) and Total Mineral Resources (331, 332 & 333 upto 334)	on 30/06/2022, 111-21031220.00 tonnes, Total Resource211- 1663380.00tonne s	19,057,000.0 Total Resource211- 1663380.00tonne s				
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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	Pit : DEPOSIT V & Direction : NW, Pit : DEPOSIT I & Direction : SE, Pit : DEPOSIT II & Direction : SW, Pit : DEPOSIT VI & Direction : WESTERN	Deposit-I 2427496 N to 2427928 N 334671 E to 334953 E Deposit-V 2427175 N to 2427415 N 334372 E to	No Work has been carried out in Deposit II & VI	No Violation	Due to Delayed in getting the tree felling permission, working proposal has been deviated during the reporting year. In this connection a violation letter was issued vide this office letter no.:MCDR-MiFL0 FE/8/2022-BBS-IBM_RO_BBS dated 15/01/2025, based on the earlier MCDR inspection.	Nil
2	Quantity of overburden generation in	937350.00	410615	During the year	Rule 11(1)	Less OB	Nil

	m3			2024-25, the waste of 410615Cum has been generated against the proposal of 937350Cum. It is observed that the actual generation of waste is only 43.8% of the proposed waste.		generated against the proposed quantity.	
3	Quantity of topsoil generation in m3	7000.00	6851	149.000	No Violation	Nil	Nil
4	Stripping ratio : ore to OB ratio	1:0.59	1:1.15	Deviated due to Less development/ ROM production	No Violation	Violation issued for Less ROM Production.	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	Pit ID : Deposit-V, Deposit-I, Deposit-II, Deposit-VI	Deposit-I 2427496 N to 2427928 N 334671 E to 334953 E Deposit-V 2427175 N to	Production has been carried out from two pits	No Violation	As the tree felling permission has not been obtained by the Lessee within the stipulated time	Nil

			2427415 N 334372 E to			period, working proposal has been deviated during the reporting year. In this connection a violation letter was issued vide this office letter no.:MCDR-MiFL0 FE/8/2022-BBS-IBM_RO_BBS dated 15/01/2025, based on the earlier MCDR inspection.	
2	Quantity of ROM mineral production proposed (in T)	1000000.00	853800	<p>For the Year 2024-25, It is observed that the actual ROM production of 853800 tonnes including Mineral Reject (+45 to -55% Fe-36280tonnes) has been carried out against the proposal of 1000000tonnes of ROM production including Mineral Reject (+45 to -55% Fe-42490tonnes).</p> <p>Hence, it is observed that only 85.38% ROM production quantity has been</p>	Rule 11(1)	Less production has been achieved against the proposed production.	Nil

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				achieved.			
3	Recovery of salable/usable mineral quantity from ROM production in T)	957510.00	817520	139990.000	No Violation	Due to Less ROM production quantity of saleable ore generation became less.	Nil
4	Quantity of mineral reject/Sub-grade generation	42490.00	36280	6210.000	No Violation	Due to Less production.	Nil
5	Grade of mineral reject/sub-grade generation as per threshold value declared	45%Fe to below 55%Fe	45%Fe to below 55%Fe	Nil	No Violation	Nil	Nil
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	Mechanized	Mechanized	Nil	No Violation	Nil	Nil
7	Whether height of benches in Overburden& mineral suitable for method of mining proposed in mining plan	Bench Height- 6M	Bench Height- 6.0 M	Nil	No Violation	Nil	Nil
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	Nil	Nil	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	No Proposal	Nil	Nil	No Violation	Nil	Nil
2	Quantity of dump material handling Proposed (in Tonne)	No Proposal	Nil	Nil	No Violation	Nil	Nil
3	Recovery of salable/usable mineral from dump production (in Tonne)	No Proposal	Nil	Nil	No Violation	Nil	Nil
4	Production from dump(s) during the year	No Proposal	Nil	Nil	No Violation	Nil	Nil
5	Quantity of mineral reject generation	No Proposal	Nil	Nil	No Violation	Nil	Nil
6	Grade of mineral reject generation and threshold value declared	No Proposal	Nil	Nil	No Violation	Nil	Nil
7	Any analysis or beneficiation study proposed & carried out for mineral reject	No Proposal	Nil	Nil	No Violation	Nil	Nil
8	Manual / Mechanized method adopted for dump working	No Proposal	Nil	Nil	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)	Dump Type: Waste, Dump ID: TEMP WD-1 Mineral Stack-ST-9 & 10	TEMP WD-1 for waste dump, ST-9 & 10 for mineral Stacking.	Separate dumping has been carried out	No Violation	Mineral reject generated during the reporting year has been blended with high grade ore to make it saleable.	Nil
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	OB Dump 2427390 N to 2427784 N 335195 E to 335495 E	OB Dump 2427507 N to 2427823 N 335395 E to 335842 E	Nil	No Violation	Nil	Nil
3	Number of active & Inative dumps	Dump ID : WD-1, Dump Type : Waste, Dump Status : Active	Dump ID : WD-1, Dump Type : Waste, Dump Status: Active	Nil	No Violation	Nil	Nil
4	Number of dead dumps	Nil	Nil	Nil	No Violation	Nil	Nil
5	Number of dumps proposed for stabilished	No Proposal	Nil	Nil	No Violation	In the approved RMP no proposal has been given for dump stabilization, however in dump stabilization column retaining wall and garland drain proposal has been given.	Nil

						Method of stabilization and area given as Nil.	
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	NA	Nil	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	No Proposal	Nil	Nil	No Violation	Pit has not been fully matured for back filling, as the ore has not been exhausted fully.	Nil
2	Year-wise area under backfilling of mined out area	No Proposal	Nil	Nil	No Violation	Nil	Nil
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	Generated :7000.00 Utilized :7000.00 Stored :0.00	All the generated topsoil 6851Cum has been utilized during FY 2024-25	Nil	No Violation	Nil	Nil
4	Total area fully reclaimed & rehabilitated	No Proposal	Nil	Nil	No Violation	Nil	Nil
5	Locations of proposed reclamation & rehabilitated	No Proposal	Nil	Nil	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.	No Proposal for plantation on backfilling/reclaimed area	Nil	Nil	No Violation	Nil	Nil
2	Rehabilitation by making water reservoir	No Proposal	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	No Proposal	Nil	Nil	No Violation	Nil	Nil
4	Compliance of Environmental monitoring (core zone & buffer zone)	To be carried as per the norms	Environmental Monitoring is being carried out in core & Buffer zone as per the Proposal.	Nil	No Violation	Nil	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	Only dry crushing & Screening Proposed	Only dry crushing & Screening Proposed 62% to below 65% Fe CLO- 348200 tonnes, 55% to below 58% Fe, 60% to below 62% Fe fines- 503600 tonnes, 65% and above Fe CLO-2000tonnes	Nil	No Violation	Nil	Nil
2	Different grade of mineral sorted out at mines	45-55%Fe, > 55%Fe	Only dry crushing & Screening Proposed 62% to below 65% Fe CLO- 348200 tonnes, 55% to below 58% Fe, 60% to below 62% Fe fines- 503600 tonnes, 65% and above Fe 2000tonnes	Nil	No Violation	Nil	Nil
3	Any beneficiation process at mines	No Proposal	Nil	Nil	No Violation	Nil	Nil
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage,	Blending proposal has been given.	Carried out blending at both	Nil	No Violation	Nil	Nil

	Blending after Processing etc.)		ROM stage & after Processing stages.				
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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	7000 m3	6851 m3	Nil	No Violation	All the generated topsoil has been excavated separately and utilized for plantation purpose.	Nil
2	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Nil	Nil	No Violation	Nil	Nil
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Nil	Nil	No Violation	Nil	Nil
4	Plantation & Survival rate	Plantation : 1000, Survial Rate : 70	Plantation Done in safety zone Area-0.68 ha, No. of Sapling- 1088 Survival Rate-98.4 %	Nil	No Violation	Nil	Nil
5	Water sprinkling on roads to control	Yes proposed	3 nos. of Water	Nil	No Violation	Nil	Nil

	airborne dust		tanker, 2 of 16 KL and 1 of 9 KL are deployed for Suppression of dust along the haul road. Dry fog dust suppression system has been provided in every crusher.				
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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	Monthly returns under Rule 45(5)(b)(i) of MCDR2017 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.	All Monthly returns are submitted within the stipulated time period. Annual return for the reporting year submitted on prescribed time.	Nil	No Violation	Nil	Nil
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55	Mining Engineer, Sri. Sanjb Kumar	Appears to be correct	Nil	No Violation	Nil	Nil

	of MCDR,2017	Pradhan Geologist Sri. Panchanan Sahoo					
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	To be submitted correctly	Submitted correctly	Nil	No Violation	Nil	Nil
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	NA	NA	NA	No Violation	NA	Nil
5	Notices and Returns for the lease area submitted or not where fine applicable	To be submitted within the stipulated time period	All Notices and Returns are submitted with in the time.	Nil	No Violation	Nil	Nil
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine price- Fines(55%-58%)-2907.44 Fines(60%-62%)-4273.53 CLO(62%-65%, 10-40mm)-6941.16 CLO(+65%, 10-40mm)-7493.87 Production cost-3091.86	Appears to be correct	Nil	No Violation	Nil	Nil

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**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 : 2022-23-3Star, 2023-2024 , Rating : 3 Star	Year of Submission : 2022-23-3Star, 2023-2024 ,3 Star	Nil	No Violation	Nil	Nil

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

S.N.	Reports File	Remark   File Description
1	Nil	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	Development - Opencast : Quantity of overburden generation in m3	937350.00	410615	During the year 2024-25, the waste of 410615Cum has been generated against the proposal of 937350Cum. It is observed that the actual generation of waste is only 43.8% of the proposed waste.	Rule 11(1)	Less OB generated against the proposed quantity.	Nil
2	Exploitation - Opencast Mine : Quantity of ROM mineral production proposed (in T)	1000000.00	853800	For the Year 2024-25, It is observed that the actual ROM production of 853800 tonnes including Mineral Reject (+45 to -55% Fe-36280tonnes) has been carried out against the proposal of 1000000tonnes of ROM production including Mineral	Rule 11(1)	Less production has been achieved against the proposed production.	Nil

				Reject (+45 to -55% Fe-42490tonnes). Hence, it is observed that only 85.38% ROM production quantity has been achieved.			
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Esigned by: ROHITA SETHI  
Date: 27/11/2025 01:38:35 PM