

INDIAN BUREAU OF MINES

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

Part-I : General Information

1.1.1 Mine Details

Name of the Mine :	MAHAPARBHAT	Lease Area (Ha) :	68.00
Forest Area (Ha) :	68	Mine Code :	30ORI08087
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 :	Unchabali	Taluka / Mandal :	Bamebari
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 :	2008-06-09	Date of Mining Lease Execution :	2008-06-09

Date of opening in the mine :	Nilsss		
Nominated Owner Details			
Name of the Nominated Owner :	Mr Balwant Singh	Nominated Owner Address:	Post Box No.34, Bhubaneswar-751 001, India
Nominated Owner Mobile :	6742392778	Nominated Owner Email :	Md@odishamining.in
Nominated Owner Fax Number :	Nil	Date of Nominated Owner Appointment :	2021-01-08
Mining Engineer Details			
Name of the Mining Engineer :	Nirmal Kumar Munda	Qualification of Mining Engineer :	BTech Mining Engg
Address of Mining Engineer :	At-Unchabali PO-Bamebari, Dist-Keonjhar, 758086	Phone of Mining Engineer :	9178906652
Email of Mining Engineer :	Nirmal.munda@odishamining.in	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	2022-05-16		
Geologist Details			
Name of the Geologist :	Binay Kumar Ranjit	Qualification of Geologist :	M.Sc. Geology
Address of Geologist :	At-Unchabali PO-Bamebari, Dist-Keonjhar, 758086	Phone of Geologist :	9437655379
Email of Geologist :	Binay.ranjit@odishamining.in	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2022-12-09		
Mine Manager Details			
Name of the Mine Manager :	Praveen Kumar Mahanta	Qualification of Mine Manager :	BE Mining Engineering

Address of Mine Manger :	At-Unchabali, Po-Bamebari, Dist-Keonjhar, Pin-758086	Phone of Mine Manger :	9437654957
Email of Mine Manger :	Praveen.mohanta@odishamining.in	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	2021-10-07		
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 :	VIKRAM DESHPANDE
Designation :	ACOM
Name of the Accompanying Official from Mine :	Shri Praveen Mahanta
Designation of the Accompanying Official :	Mines Manager
Type of Inspection :	MPAS
Date of Inspection :	12/09/2025
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	0	0	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	Nil	Nil	No Violation	Nil	Nil
5	Lateral exploration status for the lease area	G1	60.78	66.22	-5.440	No Violation	Nil
6		G2	7.22	1.78	5.440	No Violation	Nil
7		G3	0.00	0	0.000	No Violation	Nil
8		G4	0.00	0	0.000	No Violation	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 ORE - Total Reserve 7614435.00 , Total Resource 2908920.00	Mineral reserves 111 - 0.00 ; 121:4562184.00 ; 122: 113813.00; Total: 4,675,997.00 Mineral resources 211: 0.00 ; 221 :	Deviation observed as Reserves in 111 have been indicated as 0 whereas in the modification submitted the	Rule 45(7)	Nil	Nil

			2858100.00 ; 222: 50812.00; 331: 0.00 ; 332 :0.00; 333: 0.00; 334 : 0.00 Total Reserve 4,675,997.00 , Total Resource 2,908,912.00	reserves have been shown as 7003004.10			
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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	QUARRY-2 (2420972N TO 2421377N & 336899E TO 337237E FROM 606mRL to 588mRL) QUARRY-3 (2420324N TO 2421013N AND 337161E TO 337459E FROM 600mRL to 552mRL	QUARRY-1 (2420792.53N TO 2420982.607N AND 336774.107E TO 336956.254E FROM 600mRL to 579mRL) QUARRY-2 (2421025N TO 2421271N AND 336899E TO 337136E FROM 611mRL to 588mRL) QUARRY-3 (2420399N TO 2421004N AND	Deviation observed	Rule 11(1)	Pit 1 & 2 is proposed to be merged	Nil

			337164E TO 337456E FROM 600mRL to 552mRL)				
2	Quantity of overburden generation in m3	675141.00	284434.65	390706.350	Rule 11(1)	Nil	Nil
3	Quantity of topsoil generation in m3	1450.00	476	974.000	Rule 11(1)	Nil	Nil
4	Stripping ratio : ore to OB ratio	1.48120000	1.3445	0.137	No Violation	Nil	Nil

2.4.1 Exploitation - Opencast Mine Details

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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	0.00	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 an Top Soil Proposed	Separate Dumping of OB and Top Soil carried out	None	No Violation	Nil	Nil
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	TOP SOIL 336883.677E TO 336948.891E & 2420989.313N TO 2421023.851N OB DUMP 2420488.266N to 2421071.671N 336668.426 E to 337169.234E	TOP SOIL 336883.677E TO 336948.891E & 2420989.313N TO 2421023.851N OB DUMP 2420506N to 2420958N 336680E to 337029E	None	No Violation	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	1	1	0.000	No Violation	Partly Stabilized	Nil
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	Terracing	Terracing	None	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	0.00	0	0.000	No Violation	Nil	Nil
2	Year-wise area under backfilling of mined out area	2.13	1.45	0.680	Rule 11(1)	Partly back filled Quarry-1	Nil
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	Generated :1450.00 Utilized :1450.00 Stored :0.00	Generated :476 Utilized :476 Stored :0.00	Deviation Observed	No Violation	Already violation of Rule 11(1) pointed out	Nil
4	Total area fully reclaimed & rehabilitated	0.000	0	0.000	No Violation	Nil	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.	Plantation : Location :336648887 E 337115491 E 2420436481 N 2421474035 N , Area : 2.7044, No. of Plant : 1082 Plantation : Location : 336890117 E 337255045 E 2420237277 N 2420677155 N , Area : 3.5865, No. of Plant : 1435 Pit ID : Pit2, Area : 2.13	1100 Plants Planted 1.45 ha backfilled	Deviation Observed	No Violation	Already violation of Rule 11(1) pointed out for less backfilling	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)	Environmental monitoring (core zone & buffer zone) proposed	Environmental monitoring (core zone & buffer zone) carried out	None	No Violation	Nil	Nil

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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	Grade-wise sorting within lease area	Grade-wise sorting within lease area carried out	None	No Violation	Nil	Nil
2	Different grade of mineral sorted out at mines	Fines (0-10 mm) +55% Fe ; CLO 10-40 mm +55% Fe	Fines (-10mm) 60-62% & 62-65% CLO (10-40mm) 58-60% , 60-62% & 62 65%Fe	None	No Violation	Nil	Nil
3	Any beneficiation process at mines	No proposal	None	None	No Violation	Nil	Nil
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	Blending after Processing proposed	Blending after Processing carried out	None	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	Proposed	Carried out	None	No Violation	Nil	Nil
2	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling in 2.13 Ha proposed	Backfilling in 1.45 Ha carried out	Deviation Observed	No Violation	Violation of Rule 11(1) already pointed out	Nil
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling in 2.13 Ha proposed	Backfilling in 1.45 Ha carried out	Deviation Observed	No Violation	Violation of Rule 11(1) already pointed out	Nil
4	Plantation & Survival rate	Plantation : 1082, Survival Rate : 85	1100 97.2%	None	No Violation	Nil	Nil
5	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed	Water sprinkling on roads to control airborne dust carried out	Nil	No Violation	Mobile water sprinkler, Fixed water sprinkler and Dry fog system	Nil

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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	Last Annual Returns : No, Last Monthly Returns : Yes - August 2025 - Submitted on : 2025-09-16	Submitted within stipulated time	None	No Violation	Nil	Nil
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	Mining Engineer- Nirmal Kumar Munda Mining Geologist-Binay Kumar Ranjeet	Mining Engineer- Nirmal Kumar Munda Mining Geologist-Binay Kumar Ranjeet	None	No Violation	Nil	Nil
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	Correct and Complete information to be furnished	In Correct information submitted	Deviation observed	No Violation	Violation of Rule 45(7) already pointed out	Nil
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	NA	NA	NA	No Violation	Nil	Nil
5	Notices and Returns for the lease area submitted or not where fine applicable	Notices and Returns for the lease area to be submitted	Notices and Returns for the lease area submitted	None	No Violation	Nil	Nil
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine Price Fines: 60% to below 62% Fe-4590.91 62% to below 65% Fe-5071.36 CLO: Below 62% Fe	Appears to be correct	None	No Violation	Nil	Nil

		(CLO any size)- 4592.88 62% to below 65% Fe (10-40 mm size CLO)-5554.61 Cost of Production: Rs 1747.30					
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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 : 2023-2024 , Rating : 4 Stars	4	None	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

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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	<p>Exploration : UNFC category wise reported Resources/Reserves as per MP/MMP ROMP</p> <p>Total Reserves (111, 121 & 122) and Total Mineral Resources (331, 332 & 333 upto 334)</p>	<p>IRON ORE - Total Reserve 7614435.00 , Total Resource 2908920.00</p>	<p>Mineral reserves 111 - 0.00 ; 121:4562184.00 ; 122: 113813.00; Total: 4,675,997.00</p> <p>Mineral resources 211: 0.00 ; 221 : 2858100.00 ; 222: 50812.00; 331: 0.00 ; 332 :0.00; 333: 0.00; 334 : 0.00 Total Reserve 4,675,997.00 , Total Resource 2,908,912.00</p>	<p>Deviation observed as Reserves in 111 have been indicated as 0 whereas in the modification submitted the reserves have been shown as 7003004.10</p>	Rule 45(7)	Nil	Nil
2	Development - Opencast : Location of development w.r.t. lease area	<p>QUARRY-2 (2420972N TO 2421377N & 336899E TO 337237E FROM 606mRL to 588mRL)</p> <p>QUARRY-3 (2420324N TO 2421013N AND 337161E TO 337459E FROM</p>	<p>QUARRY-1 (2420792.53N TO 2420982.607N AND 336774.107E TO 336956.254E FROM 600mRL to 579mRL)</p> <p>QUARRY-2 (2421025N TO 2421271N AND</p>	Deviation observed	Rule 11(1)	Pit 1 & 2 is proposed to be merged	Nil

		600mRL to 552mRL	336899E TO 337136E FROM 611mRL to 588mRL) QUARRY-3 (2420399N TO 2421004N AND 337164E TO 337456E FROM 600mRL to 552mRL)				
3	Development - Opencast : Quantity of overburden generation in m3	675141.00	284434.65	390706.350	Rule 11(1)	Nil	Nil
4	Development - Opencast : Quantity of topsoil generation in m3	1450.00	476	974.000	Rule 11(1)	Nil	Nil
5	Exploitation - Opencast Mine : Quantity of ROM mineral production proposed (in T)	1000000.00	980000	20000.000	Rule 11(1)	Nil	Nil
6	Exploitation - Opencast Mine : Quantity of mineral reject/Sub-grade generation	21310.00	46368	-25058.000	Rule 11(1)	Nil	Nil
7	Solid Waste Management - Backfilling (Opencast) : Year-wise area under backfilling of mined out area	2.13	1.45	0.680	Rule 11(1)	Partly back filled Quarry-1	Nil

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Esigned by: VIKRAM DESHPANDE
Date: 24/09/2025 07:29:47 AM