

INDIAN BUREAU OF MINES

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

Part-I : General Information

1.1.1 Mine Details

Name of the Mine :	SUKRANGI	Lease Area (Ha) :	382.709
Forest Area (Ha) :	105	Mine Code :	11ORI19008
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 :	Sukarangi	Taluka / Mandal :	Kaliapani
District :	Jajapur	Pincode :	751001
State :	Odisha	Post Office :	N/A
Nearest Police Station :	N/A	Nearest Railway Station :	N/A
Date of Grant of Mining Lease :	1980-09-20	Date of Mining Lease Execution :	1980-09-20

Date of opening in the mine :	Nilsss		
Nominated Owner Details			
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
Mining Engineer Details			
Name of the Mining Engineer :	Tusar Kanta Pradhan	Qualification of Mining Engineer :	B. Tech. In Mining Engg
Address of Mining Engineer :	At: Sukrangi Chromite Mines, OMC Ltd., PO: Kaliapani, Jajpur, Odisha, 755028	Phone of Mining Engineer :	9692107963
Email of Mining Engineer :	Tusar.pradhan@odishamining.in	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	2022-04-01		
Geologist Details			
Name of the Geologist :	Srimati Jharana Naik	Qualification of Geologist :	M. Sc. Geology
Address of Geologist :	At: Sukrangi Chromite Mines, OMC Ltd., PO: Kaliapani, Jajpur, Odisha, 755028	Phone of Geologist :	9668705285
Email of Geologist :	Jharana.naik@odishamining.in	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2021-05-19		
Mine Manager Details			
Name of the Mine Manager :	Sri Nigamananda Sethi	Qualification of Mine Manager :	M. Tech. In Mining Engg

Address of Mine Manger :	At: Sukrangi Chromite Mines, OMC Ltd., PO: Kaliapani, Jajpur, Odisha, 755028	Phone of Mine Manger :	9437404840
Email of Mine Manger :	Nigamananda.sethi@odishamining.in	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	2024-07-13		
Mineral(s) granted in lease and proved for mining :	CHROMITE	Date of Approval of Mining Plan / Modified Mining Plan / ROMP with five-year period :	2024-03-19 (2024 - 2028)
Method of mining :	Open Cast	Category :	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 :	Nigamanand Sethi
Designation of the Accompanying Official :	Mines Manager
Type of Inspection :	MCDR
Date of Inspection :	29/11/2025
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
1	Number of Core Boreholes	18	31	-13.000	No Violation
Remark: NIL Remark File: NIL					
2	Number of DTH Boreholes	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
3	Number of exploratory pits / trial pits	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Number of exploratory Trenches	Nil	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
5	Lateral exploration status for the lease area - G1	23.78	Potential Mineralised Area: 59.72 Non-Mineralised Area: 131.72	Nil	No Violation
Remark: NIL Remark File: NIL					

6	Lateral exploration status for the lease area-G2	0.00	Non-Mineralised Area: 191.169	Nil	No Violation
Remark: NIL Remark File: NIL					
7	Lateral exploration status for the lease area-G3	0.00	Nil	0.000	No Violation
Remark: NIL Remark File: NIL					
8	Lateral exploration status for the lease area-G4	17.35	Nil	17.350	No Violation
Remark: NIL 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)	CHROMITE - Total Reserve = 12551919.25 , Total Resource = 10119300.85	111: 30,04,124.50 122: 90,80,331.75 211: 7,80,003.45 222: 93,39,297.40	Nil	No Violation
Remark: as on 01/04/2025 Remark File: NIL					

2.3.1 : Development - Opencast Details

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S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Location of development w.r.t. lease area	Pit : Band-IV S & Direction : North-East & South East	N 2327312.576 to N 2328231.425, E 375989.857 to E 377038.451, Zmin 140 mRL Zmax 210 mRL	0	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of overburden generation in m3	3599260.00	1857175.07	The Targeted overburden generation has fell short by 1742084.930 tonnes.	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Quantity of topsoil generation in m3	62427.00	5025	57402.000	Rule 11(1)
Remark: NIL Remark File: NIL					
4	Stripping ratio : ore to OB ratio	5.99880000	6.18	-0.181	No Violation
Remark: NIL 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	Pit ID : Band-IV S	Pit ID : Band-IV S	0	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of ROM mineral production proposed (in T)	600000.00	299999	The targeted ROM production has felt short by 300001.000 tonnes	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Recovery of salable/usable mineral quantity from ROM production in T)	600000.00	299999	The saleable mineral quantity from ROM has felt short by 300001.000 tonnes	Rule 11(1)
Remark: NIL Remark File: NIL					
4	Quantity of mineral reject/Sub-grade generation	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
5	Grade of mineral reject/sub-grade generation as per threshold value declared	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
7	Whether height of	Yes Height: 6 m Width: 11 m	Broadly as per proposal	0	No

	benches in Overburden & mineral suitable for method of mining proposed in mining plan				Violation
Remark: NIL Remark File: NIL					
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	0	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	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of dump material handling Proposed (in Tonne)	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					

3	Recovery of salable/usable mineral from dump production (in Tonne)	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Production from dump(s) during the year	0.00	0	0.000	No Violation
Remark: NIL Remark File: NIL					
5	Quantity of mineral reject generation	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
6	Grade of mineral reject generation and threshold value declared	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
7	Any analysis or beneficiation study proposed & carried out for mineral reject	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
8	Manual / Mechanized method adopted for dump working	0	0	0.000	No Violation
Remark: NIL Remark File: 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
1	Separate dumping of topsoil, OB & mineral rejects, fines, tailings (Rule 36,37)	OB	OB	0	No Violation
Remark: NIL Remark File: NIL					
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	OB: 1.WD5 Ymin 2328177.749 Ymax 2328691.114 Xmin 375145.038 Xmax 375715.139 Zmin 138.533 Zmax 200	OB: 1.WD5 N 2328177.749 to N 2328691.114, E 375139.243 to E 375726.294 Zmin 139.402 Zmax 187.461	0	No Violation
Remark: NIL Remark File: NIL					
3	Number of active & Inative dumps	Dump ID : WD-1, Dump Type : Waste, Dump Status : Dead , Dump ID : OB Dump-1, Dump Type : Waste, Dump Status : Active , Dump ID : OB Dump-3, Dump Type : Waste, Dump Status : Active , Dump ID : WD-4, Dump Type : Waste, Dump Status : Dead , Dump ID : WD-5, Dump Type : Waste, Dump Status : Active	Dump ID : WD-1, Dump Type : Waste, Dump Status : Dead , Dump ID : OB Dump-1, Dump Type : Waste, Dump Status : Active , Dump ID : OB Dump-3, Dump Type : Waste, Dump Status : Active , Dump ID : WD-4, Dump Type : Waste, Dump Status : Dead , Dump ID : WD-5, Dump Type : Waste, Dump Status : Active	0	No Violation
Remark: NIL Remark File: NIL					
4	Number of dead dumps	4	4	0.000	No Violation
Remark: NIL Remark File: NIL					

5	Number of dumps proposed for stabilised	Year : 2024-2025, Dump ID : WD-5	WD-5	0	No Violation
Remark: NIL Remark File: NIL					
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	Plantation	Plantation	0	No Violation
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	Violation under Rule
1	Status on part or full extraction of mineral from mined out area before starting backfilling	0.00	0	0.000	No Violation
Remark: NIL Remark File: NIL					
2	Year-wise area under backfilling of mined out area	Pit ID : , Area Proposed : 0.00	0	0	No Violation
Remark: NIL Remark File: NIL					
3	Year-wise topsoil	Generated :62427 Utilized :62427 Stored :0.00	Generated : 5025 Utilized : 5025	The targeted generation and utilization of Topsoil	Rule

	generation, Utilization and Stored proposal (in m3)			has fell short by 57402 tonnes	11(1)
Remark: NIL Remark File: NIL					
4	Total area fully reclaimed & rehabilitated	0.000	0	0.000	No Violation
Remark: NIL Remark File: NIL					
5	Locations of proposed reclamation & rehabilitated	0	0	0.000	No Violation
Remark: NIL 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.	500 0.75 Ha	515 0.75 Ha	0	No Violation
Remark: NIL Remark File: NIL					

2	Rehabilitation by making water reservoir	0	0	0.000	No Violation
Remark: NIL Remark File: 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
Remark: NIL Remark File: 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	0	No Violation
Remark: Carried out by third party CEMC Pvt. Ltd 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	Grade wise sorting and dispatch proposed	Grade wise sorting and dispatch carried out	0	No Violation

Remark: NIL Remark File: NIL					
2	Different grade of mineral sorted out at mines	1. Below -40 % Cr2O3: 2. 10-40% Cr2O3 3.52% and above Cr2O3: Both Lumps and Fines	1. Below -40 % Cr2O3: 2. 10-40% Cr2O3 3.52% and above Cr2O3: Both Lumps and Fines	0	No Violation
Remark: NIL Remark File: NIL					
3	Any beneficiation process at mines	None	Nil	0	No Violation
Remark: NIL Remark File: NIL					
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	Blending at ROM stage 1.10-30% Cr2O3: Sub Grade Dump 2.30-40% Cr2O3: Direct Sale	1. 10-30% Cr2O3: Sub Grade Dump 2.30-40% Cr2O3: Direct Sale	0	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	Proposed	Carried Out	0	No Violation

Remark: NIL

Remark File: 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
Remark: NIL Remark File: NIL					
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0	0	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Plantation & Survival rate	Plantation : 500, Survival Rate : 85	Plantation : 510, Survival Rate : 85	0	No Violation
Remark: NIL Remark File: 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	0	No Violation
Remark: NIL Remark File: NIL					

2.10 : Annual Return Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violatio
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					n under Rule
1	Submission of Online Monthly and Annual returns in prescribed period or not	Last Annual Returns : No, Last Monthly Returns : Yes - October 2025 - Submitted on : 2025-11-15	All returns submitted within prescribed time	0	No Violation
Remark: NIL Remark File: NIL					
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	Mining Engineer-Tusar Kant Pradhan Mining Geologist-Jharna Naik	Mining Engineer-Tusar Kant Pradhan Mining Geologist-Jharna Naik	0	No Violation
Remark: NIL Remark File: NIL					
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	Complete and correct returns to be submitted	Complete and correct returns not submitted	1. Plantation has been carried out covering an area of 0.75 ha however, work done under PMCP has been 0.	Rule 45(7)
Remark: NIL Remark File: NIL					
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	NA	NA	0	No Violation
Remark: NIL Remark File: NIL					
5	Notices and Returns for the lease area submitted or not where fine applicable	Notices and Returns to be submitted within time	Notices and Returns submitted within time	0	No Violation
Remark: NIL Remark File: NIL					
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	1.Sale Value: 6,12,37,41,681.77 2.Ex MP: < 40%: 9543.19/- per tonne 40% to < 52%: 20927.16/- per tonne 52%: 22163.17/- per tonne 3.Prod. Cost: 7781.18/- per tonne	Appears to be correct.	0	No Violation
Remark: NIL Remark File: NIL					

2.11 : SDF Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Start Ratings accorded for mine during last 3 years	Year of Submission : 2023-2024 , Rating : 4 Stars	4	0	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	None

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 - Opencast : Quantity of overburden generation in m ³	3599260.00	1857175.07	The Targeted overburden generation has fell short by 1742084.930 tonnes.	Rule 11(1)
Remark: NIL Remark File: NIL					
2	Development - Opencast : Quantity of topsoil generation in m ³	62427.00	5025	57402.000	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Exploitation - Opencast Mine : Quantity of ROM mineral production proposed (in T)	600000.00	299999	The targeted ROM production has felt short by 300001.000 tonnes	Rule 11(1)
Remark: NIL Remark File: NIL					
4	Exploitation - Opencast Mine : Recovery of salable/usable mineral quantity from ROM production in T)	600000.00	299999	The saleable mineral quantity from ROM has felt short by 300001.000 tonnes	Rule 11(1)
Remark: NIL Remark File: NIL					
5	Solid Waste Management -	Generated :62427 Utilized :62427 Stored :0.00	Generated : 5025 Utilized : 5025	The targeted generation and utilization of Topsoil has fell short by 57402 tonnes	Rule 11(1)

	Backfilling (Opencast) : Year-wise topsoil generation, Utilization and Stored proposal (in m3)				
Remark: NIL Remark File: NIL					
6	Annual Return : Whether incomplete or false or wrong returns submitted (Rule 45(7))	Complete and correct returns to be submitted	Complete and correct returns not submitted	1. Plantation has been carried out covering an area of 0.75 ha however, work done under PMCP has been 0.	Rule 45(7)
Remark: NIL Remark File: NIL					

Final Submitted

Esigned by: VIKRAM DESHPANDE
Date: 09/12/2025 04:11:11 PM