

INDIAN BUREAU OF MINES

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

Part-I : General Information

1.1.1 Mine Details

Name of the Mine :	BANSPANI IRON ORE MINES	Lease Area (Ha) :	380.40
Forest Area (Ha) :	183	Mine Code :	30ORI08089
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 :	Jalahari	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 :	2066-05-21	Date of Mining Lease Execution :	2066-05-21

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 :	N/A	Qualification of Mining Engineer :	N/A
Address of Mining Engineer :	N/A	Phone of Mining Engineer :	N/A
Email of Mining Engineer :	N/A	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	Nil		
Geologist Details			
Name of the Geologist :	N/A	Qualification of Geologist :	N/A
Address of Geologist :	N/A	Phone of Geologist :	N/A
Email of Geologist :	N/A	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	Nil		
Mine Manager Details			
Name of the Mine Manager :	N/A	Qualification of Mine Manager :	N/A
Address of Mine Manger :	N/A	Phone of Mine Manger :	N/A

Email of Mine Manger :	N/A	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	Nil		
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 :	2023-01-24 (2023 - 2027)
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 :	ROHITA SETHI
Designation :	ACOM
Name of the Accompanying Official from Mine :	Sh. Abanikanta Pradhan, Sh, Satyasiba Das,Sh, Omkar Narayan Behera
Designation of the Accompanying Official :	Agent, Mines Manager, Geologist
Type of Inspection :	MCDR,STR
Date of Inspection :	25/07/2025
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		No Proposal	Nil	Nil	No Violation	Nil	Nil
2	Number of DTH Boreholes		No Proposal	Nil	Nil	No Violation	Nil	Nil
3	Number of exploratory pits / trial pits		No Proposal	Nil	Nil	No Violation	Nil	Nil
4	Number of exploratory Trenches		No Proposal	Nil	Nil	No Violation	Nil	Nil
5	Lateral exploration status for the lease area	G1	49.81	128.15	-78.340	No Violation	Nil	Nil
6		G2	24.54	74.24	-49.700	No Violation	Nil	Nil
7		G3	101.34	178.01	-76.670	No Violation	Nil	Nil
8		G4	204.71	0	204.710	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)		As on 30/06/2022 as per last Approved RMP IRON ORE - Total Reserve 14716685 tonnes Total Resource 7040255 tonnes	As 01/04/2025 Total Reserve of Iron Ore is-12206885tonnes Resource-7040255tonnes	0	No Violation	After depleted the production carried out from July-2022 to March-2025(2509800 tonnes)	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	Pit : KMC Quarry & Direction : East West, Pit : Banspani Top Quarry & Direction : North South	KMC quarry: 500 MRL 336551.767E to 336790.731E 2429716.173N to 242430003.31N Top quarry: 600 MRL 336422.091E to 336676.178E 2430840.072N to 2431048.987N	(i) It was proposed maximum depth of working to be carried out up to 490mRL during the year 2024-25, between 336451E to 336718E & 2429717N to 2429894N in KMC quarry, but during the site inspection it was observed that mining has been carried out only up to 515mRL for which vertical extensions of the proposed pit has been deviated. Also, it is observed that working has been carried out between 336553E to 336617E and 2429817N to	Rule 11(1)	Proposed location of development has been deviated.	Nil

				<p>2429894N in the KMC quarry which is outside the proposed excavation area.</p> <p>(ii) For the year 2024-25 it was proposed to excavate between 336313E to 336815E and 2430592N to 2431079N in Banspani Top Quarry during the site inspection it is observed that excavation has been carried out between 336321E to 336603E and 2430592N to 2431079N, which was the proposed excavation area for the year 2023-24.</p>			
2	Quantity of overburden generation in m ³	498160.00	425609	<p>During the year 2024-25, the waste of 425609Cum. has been generated against the proposal of 498160Cum. It is observed that the actual generation of waste is only 85%.</p>	Rule 11(1)	Not Achieved the proposed waste quantity	Nil

3	Quantity of topsoil generation in m3	21157.00	20000	1157.000	No Violation	Nil	Nil
4	Stripping ratio : ore to OB ratio	1:1.34	1:1.4	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	Pit ID : KMC Quarry, Banspani Top Quarry	Two quarries KMC quarry & Banspani top quarry)	Nil	No Violation	Nil	Nil
2	Quantity of ROM mineral production proposed (in T)	1000000	900000	100000	No Violation	90% of proposed production has not been achieved.	Nil
3	Recovery of salable/usable mineral quantity from ROM production in T)	673070	880000	Nil	No Violation	Nil	Nil
4	Quantity of mineral reject/Sub-grade generation	326930	20000	For the Year 2024-25, It is observed that the actual ROM production of 900000 tonnes including Mineral	Rule 11(1)	Less Quantity of mineral reject generated with respect to the approved proposal.	Nil

				Reject (+45 to -55% Fe-20000tonnes as reported in AR-2024-25) has been carried out against the proposal of 1000000tonnes of ROM production including Mineral Reject (+45 to -55% Fe-326930tonnes) . Hence, it is observed that there is a major variation in grade of Iron Ore (Mineral Reject, +45 to -55% Fe) produced in the mine with respect to the approved proposal			
5	Grade of mineral reject/sub-grade generation as per threshold value declared	45% to 55% Fe	52.8% Fe average	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	Yes	Maintained as per proposal	Nil	No Violation	Nil	Nil
8	Any analysis or beneficiation study proposed & carried out for sub-grade	No Such proposal	Nil	Nil	No Violation	Nil	Nil

	mineral and reject					
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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

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 : KMC Backfill	Separate dumping of OB and mineral reject has been carried out	Nil	No Violation	Nil	Nil
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	Dump Type : Waste, Dump ID : KMC Backfill, Latitude : 21:57:52.27 , 21:57:53.83, Longitude: 85:24:59.33 , 85:25:02.73	Dump Valley: 580 MRL 336421.791E to 336709.849E 2430014.504N to 2430343.995N Dump North: 570 MRL 336569.215E to 336653.595E 2431265.732N to 2431400.687N	It is observed during inspection that mobile screen plants were deployed and mineral stacking have been carried out on the WD-1 between (336385E to 336683E and 2429992N to 2430364N) which is the earmarked location for waste dumping.	Rule 11(1)	Mineral processing plant were deployed, and mineral stacking has been carried out on the WD-1.	Nil
3	Number of active & Inative dumps	Dump ID : WD-1, Dump Type : Waste, Dump Status : Active	2 (inside lease area)	Nil	No Violation	Nil	Nil
4	Number of dead dumps	Nil	Nil	Nil	No Violation	Nil	Nil

5	Number of dumps proposed for stabilised	Year : 2024-2025, Dump ID : WD-2	Nil	It was proposed during the year 2024-25 to stabilize 2 nos of terraces of the WD-2 waste dump with 150m of toe wall, 150m of garland drains and with 1 no of check dam, which has not been carried out.	Rule 11(1)	Dump area Stabilization has not been carried out as per the approved proposal.	Nil
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	Terracing	Nil	Nil	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	100% extraction of Iron ore before backfilling	No backfilling work has been carried out.	Nil	No Violation	No backfilling work has been carried out.as per the approved proposal.	Nil
2	Year-wise area under backfilling of mined out area	Pit ID : KMC Quarry, Area Proposed : 2300.00	No backfilling work has been carried out.as per the approved proposal.	During the year 2024-25, it was proposed to backfill 0.23ha. area in KMC quarry, during the site inspection it is observed that no backfilling work has been carried out.	Rule 11(1)	No backfilling work has been carried out.as per the approved proposal.	Nil
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	Generated :21157.00 Utilized :21157.00 Stored :0.00	20000cum generated and utilized.	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.	Plantation : Location :336329 TO337063E 2430 945TO2431893N SAFETY ZONE, Area : 1.2, No. of Plant : 480 Plantation : Location :336696 TO336849E 2429 682TO2430945N SAFETY ZONE, Area : 1, No. of Plant : 400 Pit ID : KMC Quarry, Area : 2300.00	1480 nos of saplings are planted inside the Lease area along with on the safety zone	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)	Air, Noise and Water quality monitoring will be done during the year within the lease area.	YES, 03 numbers of ambient air quality monitoring station at core zones & 03 numbers of	Nil	No Violation	Nil	Nil

			ambient air quality monitoring station at buffer zones, also fugitive emission monitoring station of 6 nos within mines lease area.				
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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	Saleable Ore:+55 %Fe, Mineral Reject: - +45 to 50% Fe were proposed. Sorting within the Lease area	Carried out as per proposal	Nil	No Violation	Nil	Nil
2	Different grade of mineral sorted out at mines	Saleable Ore:+55 %Fe, Mineral Reject: - +45 to 50% Fe were proposed.	Carried out as per proposal	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 after Processing etc.)	Blending of 45 to 55% Fe Iron ore	Carried out as per proposal	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	Proposed for plantation	Utilized as per proposal	Nil	No Violation	Nil	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 : 480, Survial Rate : 85	Total 1680 nos of saplings are planted within and outside the lease area.	Nil	No Violation	Nil	Nil
5	Water sprinkling on roads to control airborne dust	Water sprinkling by water tanker over haul roads	Water sprinkling by water tanker over haul roads has been carried out during the reporting year	Nil	No Violation	Nil	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 - June 2025 - Submitted on : 2025-07-29	Lessee has submitted all monthly returns for the reporting year within the stipulated time period. Annual return for the year 2024-25 has been submitted by the Lessee within the stipulated time period.	Nil	No Violation	Nil	Nil
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	Mines Manager-Sh. Satyasiba Das Geologist-Sh. Omkar Narayan Behera	Actual also the same.	Nil	No Violation	Nil	Nil
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	No	Nil	Nil	No Violation	Nil	Nil
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	No proposal	Nil	Nil	No Violation	Nil	Nil
5	Notices and Returns for the lease area submitted or not where fine applicable	Nil	Nil	Nil	No Violation	Nil	Nil
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	51%- below 55% Fe Fines-2099 58 to below 60% Fe Fines-3850	Appears to be correct	Nil	No Violation	Nil	Nil

		60%-62% Fe fines-4599.73 62%-65% Fe fines:5009.73 65% above Fe-5046.20 62% to below 65% Fe (10-40mm CLO) 5681.77					
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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	3 Star	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
1	Development - Opencast : Location of development w.r.t. lease area	Pit : KMC Quarry & Direction : East West, Pit : Banspani Top Quarry & Direction : North South	KMC quarry: 500 MRL 336551.767E to 336790.731E 2429716.173N to 242430003.31N Top quarry: 600 MRL 336422.091E to 336676.178E 2430840.072N to 2431048.987N	(i) It was proposed maximum depth of working to be carried out up to 490mRL during the year 2024-25, between 336451E to 336718E & 2429717N to 2429894N in KMC quarry, but during the site	Rule 11(1)	Proposed location of development has been deviated.	Nil

inspection it was observed that mining has been carried out only up to 515mRL for which vertical extensions of the proposed pit has been deviated.

Also, it is observed that working has been carried out between 336553E to 336617E and 2429817N to 2429894N in the KMC quarry which is outside the proposed excavation area.

(ii) For the year 2024-25 it was proposed to excavate between 336313E to 336815E and 2430592N to 2431079N in Banspani Top Quarry during the site inspection it is observed that excavation has been carried out between 336321E to 336603E and 2430592N to 2431079N, which was the proposed excavation area

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				for the year 2023-24.			
2	Development - Opencast : Quantity of overburden generation in m3	498160.00	425609	During the year 2024-25, the waste of 425609Cum. has been generated against the proposal of 498160Cum. It is observed that the actual generation of waste is only 85%.	Rule 11(1)	Not Achieved the proposed waste quantity	Nil
3	Exploitation - Opencast Mine : Quantity of mineral reject/Sub-grade generation	326930	20000	For the Year 2024-25, It is observed that the actual ROM production of 900000 tonnes including Mineral Reject (+45 to -55% Fe-20000tonnes as reported in AR-2024-25) has been carried out against the proposal of 1000000tonnes of ROM production including Mineral Reject (+45 to -55% Fe-326930tonnes) . Hence, it is observed that there is a major variation in grade	Rule 11(1)	Less Quantity of mineral reject generated with respect to the approved proposal.	Nil

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				of Iron Ore (Mineral Reject, +45 to -55% Fe) produced in the mine with respect to the approved proposal			
4	OB / Waste Dumps details : Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	Dump Type : Waste, Dump ID : KMC Backfill, Latitude : 21:57:52.27 , 21:57:53.83, Longitude: 85:24:59.33 , 85:25:02.73	Dump Valley: 580 MRL 336421.791E to 336709.849E 2430014.504N to 2430343.995N Dump North: 570 MRL 336569.215E to 336653.595E 2431265.732N to 2431400.687N	It is observed during inspection that mobile screen plants were deployed and mineral stacking have been carried out on the WD-1 between (336385E to 336683E and 2429992N to 2430364N) which is the earmarked location for waste dumping.	Rule 11(1)	Mineral processing plant were deployed, and mineral stacking has been carried out on the WD-1.	Nil
5	OB / Waste Dumps details : Number of dumps proposed for stabilised	Year : 2024-2025, Dump ID : WD-2	Nil	It was proposed during the year 2024-25 to stabilize 2 nos of terraces of the WD-2 waste dump with 150m of toe wall, 150m of garland drains and with 1 no of check dam, which has not been carried out.	Rule 11(1)	Dump area Stabilization has not been carried out as per the approved proposal.	Nil
6	Solid Waste Management - Backfilling (Opencast) : Year-wise area under	Pit ID : KMC Quarry, Area	No backfilling work has been	During the year 2024-25, it was	Rule 11(1)	No backfilling work has been	Nil

	backfilling of mined out area	Proposed : 2300.00	carried out.as per the approved proposal.	proposed to backfill 0.23ha. area in KMC quarry, during the site inspection it is observed that no backfilling work has been carried out.		carried out.as per the approved proposal.	
7	34A. Digital aerial images of mining lease area.	Nil	Nil	Drone survey data submitted for the year 2023-24 and 2024-25 has been examined and found that there is an elevation difference is more than 5m between two DTM. Which needs to be clarified.	Nil	Elevation difference between two submitted DTM (2023-24 & 2024-25)	Nil

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Esigned by: ROHITA SETHI
Date: 22/08/2025 12:22:33 PM