

INDIAN BUREAU OF MINES

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

Part-I : General Information

1.1.1 Mine Details

Name of the Mine :	TALDIH(1173.484 HA)	Lease Area (Ha) :	2558.581
Forest Area (Ha) :	2420	Mine Code :	30ORI13053
Registration Number :	IBM/5662/2011	Name of lessee :	STEEL AUTHORITY OF INDIA LIMITED (SAIL)
Address of lessee :	ISPAT BHAWAN, ,LODI ROAD, NEW DELHI	Phone of lessee :	0112-4367105
Email of lessee :	Envrmd@gmail.com	Fax Number :	N/A
Village :	Taldihi	Taluka / Mandal :	Koida
District :	Sundargarh	Pincode :	110003
State :	Odisha	Post Office :	N/A
Nearest Police Station :	N/A	Nearest Railway Station :	N/A
Date of Grant of Mining Lease :	2024-11-26	Date of Mining Lease Execution :	2024-11-14
Date of opening in the mine :	Nilsss		

Nominated Owner Details			
Name of the Nominated Owner :	Mr Anirban Dasgupta	Nominated Owner Address:	BHILAI STEEL PLANT, BHILAI, DURG, CHHATTISGARH
Nominated Owner Mobile :	7882862001	Nominated Owner Email :	Bsp.director@sail.in
Nominated Owner Fax Number :	Nil	Date of Nominated Owner Appointment :	2019-06-01
Mining Engineer Details			
Name of the Mining Engineer :	Shri Tapan Nayak	Qualification of Mining Engineer :	B. Tech (Mining)
Address of Mining Engineer :	At/PO- Tensa, Dist. Sundargarh, Odisha-770042	Phone of Mining Engineer :	8895503592
Email of Mining Engineer :	Tapan0596@sail.in	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	2021-04-27		
Geologist Details			
Name of the Geologist :	Mrs. Subhasmita Das	Qualification of Geologist :	M. Sc. Tech (Applied Geology)
Address of Geologist :	At/Po. Rourkela, Dist.-Sundargarh, Odisha-769011	Phone of Geologist :	8895503017
Email of Geologist :	Subhasmitadas@sail.in	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2024-06-19		
Mine Manager Details			
Name of the Mine Manager :	Shri Amit Kumar Tiwary	Qualification of Mine Manager :	B.E. (Mining)
Address of Mine Manger :	At/PO- Tensa, Dist. Sundargarh, Odisha 770042	Phone of Mine Manger :	8986881191

Email of Mine Manger :	Amitkumartiwary@sail.in	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	2023-03-23		
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 :	MECHANISED
Nature of Use :	Captive		

Part-II : Other Information

2.1.1 : Inspection Details

Inspecting Officer :	ROHITA SETHI
Designation :	ACOM
Name of the Accompanying Official from Mine :	1. Shri Rajesh Kumar 2. Shri A. K. Tiwary 3. Shri H. Sahu 4. Shri Anupam Naik 5. Mrs. Subhasmita Das 6. Shri T. Nayak 7. Shri D. P. Mishra 8. Shri K. K. Singh 9. Shri M. K. Majhi
Designation of the Accompanying Official :	Agent, Mines Manager, Geologist and other mining officials
Type of Inspection :	MCDR,STR
Date of Inspection :	16/09/2025
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		No Proposal	None	Nil	No Violation	Nil	Nil
2	Number of DTH Boreholes		No Proposal	None	Nil	No Violation	Nil	Nil
3	Number of exploratory pits / trial pits		No Proposal	None	Nil	No Violation	Nil	Nil
4	Number of exploratory Trenches		No Proposal	None	Nil	No Violation	Nil	Nil
5	Lateral exploration status for the lease area	G1	0	404.909	Nil	No Violation	Entire potential mineralized area has not been explored under G1 level of exploration however Lessee has proposed to carry out the G1 level of exploration as approve RMP vide letter No. RMP 2317/2024-25/ IBM_RO_BBS. dated 26/12/2024.	Nil
6		G2	0	451.640	Nil	No Violation	Nil	Nil

7		G3	0	18.520	Nil	No Violation	Nil	Nil
8		G4	0	292.673	Nil	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 30.06.2024 121-357.53 122-7.92 221-16.24 222-0.19	As on 01.04.2025 121: 356.350MT 122: 7.920MT 221: 16.240MT 222: 0.190MT	3.Item-2 of Part V (General Geology & Mining): The details of Mineral Reserves and Resources estimated for Iron ore at the end of the year has not been reported correctly as per the last approved document after depleting the production from the Reserve part achieved subsequently up to 31/03/2025.	No Violation	Mineral Reserves and Resources reported incorrectly in the submitted annual return 2024-25. Violation pointed out in AR Chapter.	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	Block-A	Block-A	Nil	No Violation	Nil	Nil

	area	309700E-310100 E 2423200N-242 3700N Block-C 309800E-310300 E 2423800N-242 4500N	309700E-310090 E 2423200N-242 3670N Block-C 309800E-310250 E 2423800N-242 4450N				
2	Quantity of overburden generation in m3	816340	290077.960	During the year 2024-25, the waste of 290077.96Cum has been generated against the proposal of 816340Cum. It is observed that the actual generation of waste is only 35.53% of the proposed waste.	Rule 11(1)	Less overburden quantity excavated against the proposed quantity.	Nil
3	Quantity of topsoil generation in m3	90190.00	0	During the year 2024-25, no topsoil has been generated against the proposal of 90190Cum.	Rule 11(1)	No topsoil generated as per the proposal	Nil
4	Stripping ratio : ore to OB ratio	1:0.113	1:0.168	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 Blocks Block-A Block-C	2 Blocks Block-A Block-C	Nil	No Violation	Nil	Nil
2	Quantity of ROM mineral production proposed (in T)	7999781	1722707.180	For the Year 2024-25, It is observed that the actual ROM production of 1722707.180 tonnes including Mineral Reject (+45 to -57% Fe-167500tonnes) has been carried out against the proposal of 7999781tonnes of ROM production including Mineral Reject (+45 to -57% Fe-2509472tonnes). Hence, it is observed that only 21.53% ROM production quantity has been achieved. Also, there is a major variation in grade of Iron Ore (Mineral Reject, +45 to -57% Fe) produced in the mine with respect to the approved proposal.	Rule 11(1)	Less production quantity achieved against the proposed production.	Nil

3	Recovery of salable/usable mineral quantity from ROM production in T)	5490309	1555207.18	3935101.820	No Violation	Nil	Nil
4	Quantity of mineral reject/Sub-grade generation	2509472	167500	2341972.000	No Violation	Violation already pointed out for less production.	Nil
5	Grade of mineral reject/sub-grade generation as per threshold value declared	Grade: Fe >45 to <57% Threshold: Fe 45%	Average Grade: 55.70 % Fe Threshold: Fe 45%	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	6 m Bench Height is proposed	6 m Bench Height is maintained	Nil	No Violation	Nil	Nil
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	None	Nil	No Violation	Nil	Nil

Final Submitted

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	01 TSD-1	01 TSD-1	Nil	No Violation	Nil	Nil
2	Quantity of dump material handling Proposed (in Tonne)	500000.00	36766.93	463233.070	No Violation	Nil	Nil
3	Recovery of salable/usable mineral from dump production (in Tonne)	500000.00	36766.93	463233.070	No Violation	Nil	Nil
4	Production from dump(s) during the year	500000.00	36766.93	463233.070	No Violation	Nil	Nil
5	Quantity of mineral reject generation	No Proposal	None	Nil	No Violation	Nil	Nil
6	Grade of mineral reject generation and threshold value declared	NA	NA	Nil	No Violation	Nil	Nil
7	Any analysis or beneficiation study proposed & carried out for mineral reject	No Proposal	None	Nil	No Violation	Nil	Nil
8	Manual / Mechanized method adopted for dump working	Mechanized	Mechanized	Nil	No Violation	Nil	Nil

Final Submitted

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)	Dumping of mineral reject in TSD- 1 and dumping of waste in TWD-2	As per Proposal	Nil	No Violation	Nil	Nil
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	TWD-2 In C Block 2424253N-2424632N 310632E-310900 E RL-715 TSD-1 In A Block 24226 61N-2423020N 309853E-310105 E	TWD-2 In C Block 2424253N-2424484N 310632E-310880 E RL-757 TSD-1 In A Block 24226 61N-2423020N 309853E-310105 E	Nil	No Violation	Nil	Nil
3	Number of active & Inative dumps	Waste Dump: 1 no. Mineral reject dump: 1 no.	Waste Dump: 1 no. Mineral reject dump: 1 no.	Nil	No Violation	Nil	Nil
4	Number of dead dumps	Nil	Nil	Nil	No Violation	Nil	Nil
5	Number of dumps proposed for stabilished	Nil	Nil	Nil	No Violation	Nil	Nil
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	Nil	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	None	Nil	No Violation	Mine was operationalized in the year 2016-17, no mineral exhausted completely in pit for back filling.	Nil
2	Year-wise area under backfilling of mined out area	No Proposal	None	Nil	No Violation	Nil	Nil
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	90190.00	0	90190.000	No Violation	Violation already pointed out	Nil
4	Total area fully reclaimed & rehabilitated	No Proposal	None	Nil	No Violation	Nil	Nil
5	Locations of proposed reclamation & rehabilitated	No Proposal	None	Nil	No Violation	Nil	Nil

Final Submitted

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	None	Nil	No Violation	Nil	Nil
2	Rehabilitation by making water reservoir	No Proposal	None	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	None	Nil	No Violation	Nil	Nil
4	Compliance of Environmental monitoring (core zone & buffer zone)	Quarterly monitoring of AAQ, Water Quality and Noise Level to be carried out through a recognized environmental consultant.	Monthly and Quarterly monitoring of AAQ, Water Quality and Noise Level are being carried out.	Nil	No Violation	Nil	Nil

Final Submitted

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	>57% Fe	Grade Range 58-60 % Fe 60-62 % Fe 62-65 % Fe >65% % Fe	Nil	No Violation	Nil	Nil
2	Different grade of mineral sorted out at mines	>57% Fe	Grade Range 58-60 % Fe 60-62 % Fe 62-65 % Fe >65% % Fe	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.)	896240 tons with 50% blending	167500 tons during ROM stage	Nil	No Violation	Nil	Nil

Final Submitted

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	Generation: 90190.00	0	No topsoil has been generated	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	No Proposal	No. of Saplings Planted: 5100 Survival Rate: 95.00%	Nil	No Violation	Nil	Nil
5	Water sprinkling on roads to control airborne dust	Water sprinkling tanker is routinely used in haulage road for dust control.	Water sprinkling is being done with 1 X 12 KL & 2 X 20 KL mobile water tankers.	Nil	No Violation	Nil	Nil

Final Submitted

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 MCDR 2017 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 and annual returns for the reporting year submitted 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	Sh. Tapan Nayak, Mining Engineer. Sh. S Das, Geologist	Appears to be correct	Nil	No Violation	Nil	Nil
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	To be submitted correctly	Reserve and resource reported in the annual return incorrectly.	On scrutiny of the annual return submitted under Rule 45(5)(c)(ii) of MCDR 2017 for the year 2024-25 the following deficiencies were observed. Item-2 of Part V (General Geology & Mining): The details of Mineral	Rule 45(7)	Reserve and resource reported in the annual return incorrectly.	Nil

Reserves and Resources estimated for Iron ore at the end of the year has not been reported correctly as per the last approved document after depleting the production from the Reserve part achieved subsequently up to 31/03/2025.

2.PART-VI
(PRODUCTION, DESPATCHES AND STOCKS)
(IRON ORE (HEMATITE)),
Item No. 3(ii)
Grade-wise Production, Dispatches, Stocks and Ex-mine prices: No dispatch quantity reported in respect of 55% to below 58% Fe (Fines), however in item no.5. (Sales- Dispatches effected for Domestic Purposes and for Exports), it is reported that 40359.45tonnes of 55% to below

Final Submitted

				58% Fe (Fines) as domestic sale. Also, in Item No. 3(ii) it is reported that 58206.100tonnes of 58% to below 60% Fe (fines) has been dispatched, however in in item no. 5 it is reported that 58206.1tonnes has been used for captive consumption and 16345.6tonnes as domestic sale.			
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 correctly with in the stipulated time period	Submitted in time.	NA	No Violation	NA	Nil
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Production cost and ex-mine price for lump & fines Rs.1701.00/- per Tonne.	Production cost and ex-mine price for lump & fines isRs.1701.00/- per Tonne.	Appears to be correct	No Violation	Nil	Nil

Final Submitted

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	None	2022-23: 3* 2023-24: 4* 2024-25: 4*	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

Final Submitted

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	816340	290077.960	During the year 2024-25, the waste of 290077.96Cum has been generated against the proposal of 816340Cum. It is observed that the actual generation of waste is only 35.53% of the proposed waste.	Rule 11(1)	Less overburden quantity excavated against the proposed quantity.	Nil
2	Development - Opencast : Quantity of topsoil generation in m3	90190.00	0	During the year 2024-25, no topsoil has been generated against the proposal of 90190Cum.	Rule 11(1)	No topsoil generated as per the proposal	Nil
3	Exploitation - Opencast Mine : Quantity of ROM mineral production proposed (in T)	7999781	1722707.180	For the Year 2024-25, It is observed that the actual ROM production of 1722707.180 tonnes including Mineral Reject (+45 to -57%	Rule 11(1)	Less production quantity achieved against the proposed production.	Nil

				<p>Fe-167500tonnes) has been carried out against the proposal of 7999781tonnes of ROM production including Mineral Reject (+45 to -57% Fe-2509472tonnes). Hence, it is observed that only 21.53% ROM production quantity has been achieved. Also, there is a major variation in grade of Iron Ore (Mineral Reject, +45 to -57% Fe) produced in the mine with respect to the approved proposal.</p>			
4	Annual Return : Whether incomplete or false or wrong returns submitted (Rule 45(7))	To be submitted correctly	Reserve and resource reported in the annual return incorrectly.	On scrutiny of the annual return submitted under Rule 45(5)(c)(ii) of MCDR 2017 for the year 2024-25 the following deficiencies were observed. Item-2 of Part V (General Geology & Mining): The details of Mineral Reserves and	Rule 45(7)	Reserve and resource reported in the annual return incorrectly.	Nil

Resources estimated for Iron ore at the end of the year has not been reported correctly as per the last approved document after depleting the production from the Reserve part achieved subsequently up to 31/03/2025.

2.PART-VI
(PRODUCTION, DESPATCHES AND STOCKS)
(IRON ORE (HEMATITE)),
Item No. 3(ii)
Grade-wise
Production,
Dispatches,
Stocks and Ex-
mine prices: No
dispatch quantity
reported in
respect of 55% to
below 58% Fe
(Fines), however
in item no.5.
(Sales- Dispatches
effected for
Domestic
Purposes and for
Exports), it is
reported that
40359.45tonnes
of 55% to below
58% Fe (Fines) as

Final Submitted

				<p>domestic sale. Also, in Item No. 3(ii) it is reported that 58206.100tonnes of 58% to below 60% Fe (fines) has been dispatched, however in in item no. 5 it is reported that 58206.1tonnes has been used for captive consumption and 16345.6tonnes as domestic sale.</p>		
--	--	--	--	--	--	--

Final Submitted

Esigned by: ROHITA SETHI
Date: 17/10/2025 02:45:32 PM