



Ref. No.: TSL/FAMD/FAPJ/FY27/4080

By: E-mail and Parivesh

Date: 24.05.2026

**To,**  
**The Deputy Director General of Forest (Central),**  
**Ministry of Environment and Forest & Climate Change,**  
**Region Office, A/3, Chandrasekharpur,**  
**Bhubaneswar-751023**

**Subject:** Submission of half-yearly compliance report on the stipulated environmental clearance terms and conditions in respect of Ferro Alloys Plant, Joda of M/s TATA Steel Ltd., for the period from October'2025 to March'2026.

**Reference:**

- 1) MoEF File No: J-11011/03/2012-IA II (I) DATED 5<sup>th</sup> Nov 2015.
- 2) MoEF&CC's notification vide S.O-5845 (E), dt. 28<sup>th</sup> Nov 2018.

**Respected Sir,**

We are herewith submitting the six-monthly compliance report on the status of the implementation of the conditions stipulated in environmental clearance awarded to us vide MoEF File No: **J-11011/03/2012-IA II (I) DATED 5th Nov 2015** in respect of Ferro Alloys Plant, Joda of M/s TATA Steel Ltd. for the period from October'2025 to March'2026 for your kind perusal.

This is in reference to the MoEF&CC's notification vide S.O-5845, dt. 28<sup>th</sup> Nov 2018, the six-monthly compliance report is being submitted only in soft copy mode, shared with your good office at e-mail @ [roez.bsr-mef@nic.in](mailto:roez.bsr-mef@nic.in).

We believe the above submission is in order.

Thanking you,

Yours faithfully,  
F: TATA STEEL LTD.

Head  
Ferro Alloys Plant, Joda

Encl: As above.

Copy To:

- 1) The chairman, Central Pollution Control Board, Southern conclave, block-502, 5<sup>th</sup> and 6<sup>th</sup> Floor 1582 Rajadanga Main road, Kolkata-700107 (W.B.)
- 2) The Member Secretary, State Pollution Control Board, A/118, Nilakantha Nagar, Bhubaneswar, Odisha-751012
- 3) The Regional Officer, State Pollution Control Board, Baniapat, DD College Road, Keonjhar, Odisha-758001.

**TATA STEEL LTD.**

Ferro Alloys & Minerals Division, Ferro Alloys Plant, JodaAt/P.O.: Joda,  
Dist: Keonjhar Odisha – 758 034 Tel.: 9238101370, e-mail : mnminesadmin@tatasteel.com  
Regd. Office: Bombay House, 24 Homi Modi Street, Mumbai – 400 001 Tel 912266658282, Fax 912266657724  
Corporate Identity Number L27100MH1907PLC000260 website: [www.tatasteel.com](http://www.tatasteel.com)

Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

<b>Proposal No</b>	IA/OR/IND/4054/2012.
<b>Compliance ID</b>	1228931144
<b>Compliance Number(For Tracking)</b>	EC/M/COMPLIANCE/1228931144/2026
<b>Reporting Year</b>	2026
<b>Reporting Period</b>	01 Jun(01 Oct - 31 Mar)
<b>Submission Date</b>	24-05-2026
<b>RO/SRO Name</b>	Shri Senthil Kumar Sampath
<b>RO/SRO Email</b>	agmu156@ifs.nic.in
<b>State</b>	ODISHA
<b>RO/SRO Office Address</b>	Integrated Regional Offices, Bhubaneswar

**Note:-** SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, ODISHA with Notification to Project Proponent.

**Half Yearly Compliance Report  
2026  
01 Jun(01 Oct - 31 Mar)**

**Acknowledgement**

<b>Proposal Name</b>	Expansion of high carbon Fe-Mn alloy Plant (from 0.0504 MTPA to 0.06 MTPA) and addition of 0.06 MTPA Silico-Manganese Plant and 0.05 MTPA Manganese Sinter Plant in existing Ferro Alloys Plant by M/s Tata Steel Limited at Joda, Keonjhar District		
<b>Name of Entity / Corporate Office</b>	Tata Steel Ltd		
<b>Village(s)</b>	N/A		
<b>District</b>	KENDUJHAR		
<b>Proposal No.</b>	IA/OR/IND/4054/2012.	<b>Category</b>	Industrial Projects - 1
<b>Plot / Survey / Khasra No.</b>	N/A	<b>Sub-District</b>	N/A
<b>State</b>	ODISHA	<b>Entity's PAN</b>	*****2803M
<b>MoEF File No.</b>	J-11011/03/2012-IA II (I)	<b>Entity name as per PAN</b>	UTSAV KASHYAP

**Compliance Reporting Details**

<b>Reporting Year</b>	2026
<b>Remarks (if any)</b>	The Environmental Clearance Compliance Report for the period Oct 2025 to March 2026 has been prepared and uploaded in accordance with the prescribed format. The report addresses both specific and general conditions stipulated in the Environmental Clearance granted to the project.
<b>Reporting Period</b>	01 Jun(01 Oct - 31 Mar)

**Details of Production and Project Area**

<b>Name of Entity / Corporate Office</b>	Tata Steel Ltd	
	<b>Project Area as per EC Granted</b>	<b>Actual Project Area in Possession</b>
Private	19.07	19.07
Revenue Land	0	0
Forest	0	0
Others	N/A	N/A
<b>Total</b>	<b>19.07</b>	<b>19.07</b>

Others Area						
Sr. no				Other Name	Area Granted	Area Actual
1				NA	NA	NA
Production Capacity						
Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	High Carbon FeMn	Tons per Annum (TPA)	31/03/2027	60000	49085	60000
2	SiMn	Tons per Annum (TPA)	31/03/2027	60000	0	0
3	Mn Sinter	Tons per Annum (TPA)	31/03/2027	50000	0	0
Conditions						
Specific Conditions						
Sr.No.	Condition Type	Condition Details				
1	AIR QUALITY MONITORING AND PRESERVATION	The project proponent should install 24x7 air monitoring devices to monitor air emission, as provided by CPCB and submit report to Ministry and its Regional Office.				
<p><b>PPs Submission:</b> Complied A continuous emission monitoring system (CEMS), including a stack analyzer, has been installed and is operational 24x7 to monitor air emissions. Monthly reports are being submitted to State Pollution Control Board Odisha.</p>						Date: 24/05/2026
2	AIR QUALITY MONITORING AND PRESERVATION	Stack of adequate height and diameter with continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz, Electrostatic precipitator (ESP), bag house, bag filters etc. shall be provided to keep the emission levels below 50 mg/Nm <sup>3</sup> and installing energy efficient technology				
<p><b>PPs Submission:</b> Complied The plant currently operates with two semi-closed electric arc furnaces, each furnace equipped with two gas cleaning plants, one of which is operational while the other serves as a standby. Each Gas Cleaning Plant (GCP) has one stack of height around 36.57 mtr above ground level with internal diameter of 0.4 mtr. The pollution control measures such as Gas Cleaning plant with venturi scrubbers are also provided with online Continuous Emission Monitoring System (CEMS). The results for emission parameters in the flue gas are observed to be well within the OSPCB prescribed limits. The stack emission parameter testing is carried out by an NABL Accredited laboratory on monthly basis. The report indicates that the emission parameters conform to the applicable permissible standards.</p>						Date: 24/05/2026
3	AIR QUALITY MONITORING AND PRESERVATION	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826( E) dated 16th November, 2009 shall be followed.				

<p><b>PPs Submission:</b> Complied Presently, ambient Air Quality Standard notified vide G.S.R. No. 826(E) dated 16th November 2009 is followed.</p>		<p>Date: 24/05/2026</p>
4	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB should be followed. New standards for the sponge iron plant issued by the Ministry vide G.S.R. 414 ( E ) dated 30th May, 2008 should be followed.</p>
<p><b>PPs Submission:</b> Complied In compliance with the G.S.R. 414 (E) dated 30th May 2008, gaseous and fugitive emission is controlled by mist canon, water sprinkler and DE system. As a result of these measures, fugitive dust levels when monitored were found within permissible limit.</p>		<p>Date: 24/05/2026</p>
5	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>Water sprinkling arrangements as well as dry fog system to control fugitive emission shall be undertaken.</p>
<p><b>PPs Submission:</b> Complied A Mobile mist canon and fixed water sprinkling system have been installed to control fugitive emission.</p>		<p>Date: 24/05/2026</p>
6	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>Tap hole emissions shall be taken to GCP system by providing proper hood and suction system.</p>
<p><b>PPs Submission:</b> Complied Dedicated fume extraction system has been installed with bag filters for tap hole emission.</p>		<p>Date: 24/05/2026</p>
7	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>Efforts should further be made to use maximum water from the rain water harvesting sources. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources. Use of air-cooled condensers shall be explored and closed-circuit cooling system should be provided to reduce water consumption and water requirement shall be modified accordingly.</p>
<p><b>PPs Submission:</b> Complied Presently, a fully functional roof top rainwater harvesting cum recharging system of around 1500 cu.m/year capacity is in place. A rainwater harvesting recharge pit has also been made near furnace building. To reduce water consumption, close circuit cooling system is in operation.</p>		<p>Date: 24/05/2026</p>
8	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>All the effluent should be treated and used for ash handling, dust suppression and green belt development. No effluent shall be discharged, and zero discharge shall be adopted. Sanitary sewage should be treated in septic tank followed by the soak pit.</p>
<p><b>PPs Submission:</b> Complied The plant has maintained Zero effluent Discharge The facility operates a 720KLD effluent treatment plant (ETP) for industrial effluent and a 10KLD sewage treatment plant (STP) for domestic effluent. The treated water from both plants is utilized back in plant operations or for dust separation and green belt development.</p>		<p>Date: 24/05/2026</p>
9	<p>WATER QUALITY MONITORING AND PRESERVATION</p>	<p>Regular monitoring of surface, sub-surface and ground water should be ensured and treated waste water should meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act 1986 whichever are more stringent. Leachate study for</p>

		the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar, SPEB and CPCB.
<b>PPs Submission:</b> Complied Monitoring of surface water is carried out on a monthly basis. Similarly, ground water samples are also collected from the borewells. Sampling and analysis are carried out by an NABL Accredited laboratory. The analysis reports are also submitted to the OSPCB on monthly basis.		Date: 24/05/2026
10	WASTE MANAGEMENT	Slag produced in Ferro Manganese (Fe-Mn) production should be used in manufacture of Silico Manganese (Si-Mn). All the other Ferro alloy slag should be used in the preparation of building materials.
<b>PPs Submission:</b> Complied Slag produced from existing Fe-Mn plant is partly used in the process as a raw material for Si-Mn production and rest are sold to the Ferro Alloys Industry for making Si-Mn.		Date: 24/05/2026
11	GREENBELT	Green belt shall be developed in 33 percent of plant area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
<b>PPs Submission:</b> Complied Presently, greenbelt has been developed over an area of around 15 Acres with self-sustained plantations.		Date: 24/05/2026
12	Corporate Environmental Responsibility	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Plants shall be implemented.
<b>PPs Submission:</b> Complied The applicable recommendations of CREP have been implemented.		Date: 24/05/2026
13	Corporate Environmental Responsibility	At least 5 percent of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Chennai. Implementation of such program shall be ensured accordingly in a time bound manner.
<b>PPs Submission:</b> Complied All the CSR measures are carried out by the CSR wing of the company under the banner of Tata Steel Foundation. During FY Oct 2025 to March 2026, the company has spent around Rs. 5.49 Crore on the strengthening of social welfare infrastructure of the Joda valley region.		Date: 24/05/2026
14	Human Health Environment	Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking mobile toilets, mobile STP, Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project and facilities such as fuel for cooking mobile toilets, mobile STP, Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project
<b>PPs Submission:</b> Complied There are no labour camps at the Site. However, workers have access to all essential infrastructure and facilities such as toilets, STP, Safe drinking water, medical, creche, rest shelter etc.		Date: 24/05/2026
15	Risk Mitigation and Disaster	Risk and Disaster Management Plan along with the mitigation

	Management	measures should be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB within 3 months of issue of environment clearance letter.
<p><b>PPs Submission:</b> Complied</p> <p>Risk and disaster management plan along with the mitigation measures was submitted. Reference to our communication in this regard are as follows: a. Letter no. FAPJ/4249/2016, dated. 01.02.2016 for Central Pollution Control Board, New Delhi, b. Letter no. FAP(J)/4250/2016, dated. 01.02.2016, for the erstwhile Ministry of Environment and Forest, Eastern Regional Office, Bhubaneswar c. Letter no. FAP(J)/4251/2016, dated. 01.02.2016 to State Pollution Control Board, Bhubaneswar.</p>		Date: 24/05/2026
<b>General Conditions</b>		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project authorities must strictly adhere to the stipulations made by the Odisha Pollution Control Board and the State Government.
<p><b>PPs Submission:</b> Complied</p> <p>All the stipulations made by the Odisha Pollution Control Board and the State Government are strictly followed for existing facility.</p>		Date: 24/05/2026
2	Statutory compliance	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).
<p><b>PPs Submission:</b> Complied</p> <p>No further expansion or modifications in the plant has been carried out without prior approval of the MoEFCC</p>		Date: 24/05/2026
3	AIR QUALITY MONITORING AND PRESERVATION	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, PM2.5, SO2 and NOx are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.
<p><b>PPs Submission:</b> Complied</p> <p>Regular AAQ monitoring is being carried out at four nos. ambient air monitoring stations with monitoring frequency and methodology as per National Ambient Air Quality Standard 2009 by engaging an MoEFCC as well as NABL Accredited laboratory. Monthly monitoring reports are submitted to OSPCB.</p>		Date: 24/05/2026
4	WATER QUALITY MONITORING AND PRESERVATION	Industrial waste water shall be properly collected, treated so as to conform to the standard prescribed under GSR 422 ( E ) dated 19th May, 1993 and 31st December 1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose
<p><b>PPs Submission:</b> Complied</p> <p>ETP Treated wastewater is recycled back in plant operations.</p>		Date: 24/05/2026
5	Noise Monitoring & Prevention	Overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz 75 dBA (day time) and 70 dBA (night time).

<p><b>PPs Submission:</b> Complied All the Noise generating sources have been provided with requisite acoustic enclosures. Ambient Noise level is also monitored at several places inside plant premises.</p>		<p>Date: 24/05/2026</p>
6	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act
<p><b>PPs Submission:</b> Complied Periodic medical check-ups were conducted yearly. Records are maintained as per Orissa factory rule.</p>		<p>Date: 24/05/2026</p>
7	WATER QUALITY MONITORING AND PRESERVATION	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
<p><b>PPs Submission:</b> Complied Presently, a fully functional roof top rainwater harvesting cum recharging system of around 1500 cu.m/year capacity is in place. A rainwater harvesting recharge pit has also been made near furnace building. To reduce water consumption, close circuit cooling system is in operation.</p>		<p>Date: 24/05/2026</p>
8	Statutory compliance	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake social- economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
<p><b>PPs Submission:</b> Complied Necessary Environmental Protection Measures are implemented in line with the provision of EIA/EMP report. During FY 2025-26, the company kept a budget of Rs. 138 lakhs (recurring expenses) for the Environmental Protection Measures. All the CSR measures are carried out by the CSR wing of the company under the banner of Tata Steel Foundation.</p>		<p>Date: 24/05/2026</p>
9	AIR QUALITY MONITORING AND PRESERVATION	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEFCC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.
<p><b>PPs Submission:</b> Complied During FY 2025-26, the company kept a budget of Rs. 138 lakhs (recurring expenses) for the Environmental Protection Measures</p>		<p>Date: 24/05/2026</p>
10	Statutory compliance	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
<p><b>PPs Submission:</b> Complied Already Complied. Intimation of obtaining Environmental Clearance was given to Zila Parishad vide letter No. FAPJ/4136/2015.</p>		<p>Date: 24/05/2026</p>
11	Statutory compliance	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same

periodically. It shall simultaneously be sent to the Regional Office of the MoEFCC at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

**PPs Submission:** Complied  
The six-monthly compliance reports along with the monitoring results are uploaded in Tata Steels website [www.tatasteel.com](http://www.tatasteel.com) for public view and updated periodically.

Date:  
24/05/2026

### Visit Remarks

**Last Site Visit Report Date:**

N/A

**Additional Remarks:**

**Note:** This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.