



Ref. No.: FAMD/FAPBL/11/FY27

Date:19.05.2025

To,
Deputy Director General of Forests (Central)
Ministry of Environment, Forest & Climate Change,
Regional 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, Balasore of M/s TATA Steel Ltd., for the period from October '2025 to March '2026.

Reference:

- 1) J-11011/55/2008-IA II (I), DATED 17th July 2008
- 2) J-11011/519/2010-IA-II (I), DATED 26th February 2013
- 3) J-11011/519/2010-IA-II (I), DATED 20th May 2014

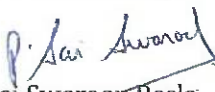
Respected Sir,

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-11011/519/2010-1A-II (I) DATED 20th May 2014 in respect of Ferro Alloys Plant, Balasore of M/s TATA Steel Ltd. for the period from Oct '2025 to Mar '2026 for your kind perusal.

This is in reference to the MoEF & CC's notification vide S.O-5845, dt. 28th 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.

We believe the above submission is in order.

Thanking you,
Yours faithfully,


Sai Swaroop Peela
Head Ferro Alloys Plant, Balasore
Tata Steel Limited
sai.peela@tatasteel.com
Mob: 8093033864



Encl: As above.

Copy To:

1. The Member Secretary, State Pollution Control Board, A/118, Nilakantha Nagar, Bhubaneswar, Odisha-751012)
2. The Regional Officer, Balasore, Ganeswarpur, P.O - Januganj, Balasore

TATA STEEL LTD.

Ferro Alloys Plant, Balasore, Plot No Z-1 & Z-3, IDCO IID Centre, Somanathpur, Remuna, Balasore, 756019
Regd.Office : Bombay House, 24 Homi Modi Street, Mumbai – 400 001 Tel 912266658282, Fax 912266657724
Corporate Identity Number L27100MH1907PLC000260 website : www.tatasteel.com

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

Proposal No	IA/OR/IND/5459/2012
Compliance ID	1227975015
Compliance Number(For Tracking)	EC/M/COMPLIANCE/1227975015/2026
Reporting Year	2026
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	19-05-2026
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	ODISHA
RO/SRO Office Address	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**

Proposal Name	Expansion of Ferro Alloy Plant by installation of Submerged Arc Furnace (16.5 MVA) for production of Si-Mn - 26645 TPA/ Fe-Mn - 29500 TPA/Fe-Si -11400 TPA/ Fe-Cr - 25000 TPA at Plot No. Z-1 IDCO IID Centre Village Somnathpur District Balasore in Odisha		
Name of Entity / Corporate Office	Tata Steel Limited		
Village(s)	N/A		
District	BALESHWAR		
Proposal No.	IA/OR/IND/5459/2012	Category	Industrial Projects - 1
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	ODISHA	Entity's PAN	*****2803M
MoEF File No.	J-11011/519/2010-IA-II(I)	Entity name as per PAN	UTSAV KASHYAP

Compliance Reporting Details

Reporting Year	2026
Remarks (if any)	Submission of half-yearly compliance report for the period from October '2025 to March '2026.
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office Tata Steel Limited

	Project Area as per EC Granted	Actual Project Area in Possession
Private	24.54	24.54
Revenue Land	0	0
Forest	0	0
Others	N/A	N/A
Total	24.54	24.54

Others Area

Sr. no	Other Name	Area Granted	Area Actual
1	Tata Steel Ferro Alloys Plant, Balasore	24.54	24.54

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Silico Manganese/Ferro Manganese/Ferro Silicon/Ferro Chrome	Tons per Annum (TPA)	31/03/2027	65000	39885.1	56140

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	ENERGY PRESERVATION MEASURES	No charcoal shall be used as fuel. Pet coke shall be used as fuel instead of charcoal from unknown sources.

PPs Submission: Complied

No charcoal is being used as fuel. Met coke is being used as reductant instead of Pet coke as it is a cleaner fuel.

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2 AIR QUALITY MONITORING AND PRESERVATION

Continuous monitoring facilities for the process stacks and sufficient air pollution control equipments viz. fume extraction system with bag filters, ID fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 50 mg/Nm³.

PPs Submission: Complied

Presently, the process stacks have been provided with Bag Filter based Gas Cleaning Plant (GCP) of adequate capacity with fume extraction system. Stack of adequate height (45m) is also provided. OCEMS system has also been installed and Realtime data is being transmitted to RTDAS server of OSPCB.

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3 AIR QUALITY MONITORING AND PRESERVATION

The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.

PPs Submission: Complied

Regular ambient air quality (AAQ) monitoring is being conducted in accordance with NAAQS, 2009. The results for the period October 2025 to March 2026 indicate that all parameters are well within the prescribed limits. The monitoring report for the period October 2025 to March 2026 is attached as Annexure 1.

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4 AIR QUALITY MONITORING AND PRESERVATION

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 shall be followed. The raw material storage shall be covered.

PPs Submission: Complied

At present, the necessary provisions have been implemented to control fugitive dust emissions. This includes the installation of a suction hood near the tap hole to capture dust generated during tapping. The collected fumes are routed to the Fume Extraction System and subsequently discharged through

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the Gas Cleaning Plant.		
5	WATER QUALITY MONITORING AND PRESERVATION	Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.
PPs Submission: Complied Regular monitoring of water quality is being carried out in accordance with CPCB norms. The treated wastewater consistently meets the prescribed standards under SPCB and the E(P) Act. Water quality reports are regularly submitted to the OSPCB on a monthly basis.		Date: 19/05/2026
6	WATER QUALITY MONITORING AND PRESERVATION	The total water requirement for proposed expansion shall not exceed 139 m ³ /day. Zero effluent discharge shall be strictly followed and no wastewater should be discharged outside the plant premises.
PPs Submission: Complied Total raw water requirement for Furnace 1 is 148 m ³ /day and for Furnace 2 is 139 m ³ /day (Total - 287 m ³ /day). NOC from CGWA has been obtained for drawl of 287m ³ /day vide NOC No. CGWB/NOC/IND/OD/2024/1456/R-3-REV-1/3. The consumption of water has not exceeded the permitted volume.		Date: 19/05/2026
7	WATER QUALITY MONITORING AND PRESERVATION	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement should be met from other sources.
PPs Submission: Complied During monsoon, the rainwater getting collected in the plant drains is being recycled for use in plant process.		Date: 16/05/2026
8	WASTE MANAGEMENT	Slag produced in Ferro Manganese (Fe-Mn) production shall be used in manufacture of Silico Manganese (Si-Mn). The Fe-Si and Si-Mn slag shall be used in the preparation of building materials.
PPs Submission: Complied The slag is being sold for use as building material.		Date: 16/05/2026
9	WASTE MANAGEMENT	All the Ferro chrome slag shall be used for land filling inside the plant or used as building material only after passing through Toxic Chemical Leach ability Potential (TCLP) test. Otherwise, hazardous substances shall be recovered from the slag and output waste and be disposed in secured landfill as per CPCB guidelines.
PPs Submission: Complied No Ferro Chrome or ferro silicon produced during the reporting period thus requirement of TCLP not applicable. Whenever ferro chrome slag is generated, necessary TCLP test will be carried out prior to use of FeCr slag.		Date: 16/05/2026
10	Risk Mitigation and Disaster Management	Risk and Disaster Management Plan along with the mitigation 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>PPs Submission: Complied A Risk and Disaster Management Plan (DMP) along with mitigation measures has already been prepared and duly submitted to the Regional Office of MoEFCC, Bhubaneswar, within the stipulated timeframe.</p>		<p>Date: 19/05/2026</p>
11	GREENBELT	As proposed, green belt should be developed in at least 33 percent of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
<p>PPs Submission: Complied As on date, approximately 20 percent of the total plant area has been developed under green belt. During the current year, about 1000 trees have been planted within the plant premises. The selection of plant species has been carried out in accordance with CPCB guidelines.</p>		<p>Date: 19/05/2026</p>
12	Corporate Environmental Responsibility	At least 5 percent of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.
<p>PPs Submission: Complied CSR activities are being continuously undertaken in the plants peripheral areas in compliance with the Environmental Clearance (EC) conditions and company norms. These initiatives are implemented through Tata Steel Foundation (TSF) in alignment with the provisions of the Companies Act.</p>		<p>Date: 19/05/2026</p>
13	Human Health Environment	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets 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.
<p>PPs Submission: Complied Necessary infrastructure and facilities for the construction labours were provided during the construction Work.</p>		<p>Date: 19/05/2026</p>
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project authorities must strictly adhere to the stipulations made by the Odisha State Pollution Control Board and the State Government.
<p>PPs Submission: Complied All the stipulations made by the Odisha Pollution Control Board and the State Government are strictly followed.</p>		<p>Date: 19/05/2026</p>
2	Statutory compliance	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
<p>PPs Submission: Agreed to Comply No further expansion or modification in the plant has been carried out without prior approval of the Ministry of Environment and Forests.</p>		<p>Date: 19/05/2026</p>
3	AIR QUALITY	At least four ambient air quality monitoring stations should be

	MONITORING AND PRESERVATION	established in the downward direction as well as where maximum ground level concentration of PM10, 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.
PPs Submission: Complied Presently four nos. ambient air monitoring stations have been developed for the monitoring of Ambient Air Quality Parameters as per National Ambient Air Quality Standard 2009. Monitoring and analysis are carried out by engaging an MoEFCC as well as NABL Accredited laboratory. Reports are submitted to State Pollution Control Board Odisha on monthly basis.		Date: 19/05/2026
4	WATER QUALITY MONITORING AND PRESERVATION	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.
PPs Submission: Complied Effluent generated from the industry is collected in designated pits, and the water is reused within the plant premises through tanker for sprinkling activities. A zero-effluent discharge system is being maintained.		Date: 19/05/2026
5	Noise Monitoring & Prevention	The 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 (daytime) and 70 dBA (nighttime).
PPs Submission: Complied It has been strictly adhered. Acoustic enclosures are provided for DG sets.		Date: 19/05/2026
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.
PPs Submission: Agreed to Comply Initial Medical Examination of all employees employed has been ensured. With-in one year all the employees will be covered under periodical medical check-up.		Date: 16/05/2026
7	WATER QUALITY MONITORING AND PRESERVATION	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
PPs Submission: Agreed to Comply During monsoon, the rainwater getting collected in the plant drains is being recycled for use in plant process.		Date: 16/05/2026
8	Corporate Environmental Responsibility	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 socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
PPs Submission: Being Complied Environmental Protection measures as indicated in the EIA and EMP report have been implemented. Socio-economic developmental activities in Health, Education, Sports, agriculture, and infrastructure development are being carried out in the surrounding and periphery villages.		Date: 16/05/2026

9	Corporate Environmental Responsibility	Requisite amount 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 and Forests 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.
PPs Submission: Complied Separate budget has been earmarked towards capital and operating environment expenditure.		Date: 16/05/2026
10	MISCELLANEOUS	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.
PPs Submission: Complied Environment Clearance copy has been submitted to the concerned Govt. /Private Bodies. Environment Clearance letter has also been uploaded on the Tata Steel website, www.tatasteel.com		Date: 16/05/2026
11	MISCELLANEOUS	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 MOEF 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: Being Complied Last six-monthly compliance reports have been uploaded to the company's website www.tatasteel.com. Electronic multi-line display board installed to display the criteria pollutant levels namely, PM10, SO2, NOX or critical sectoral parameters, indicated for the projects at main gate of the company for the public domain. The compliance reports are being sent to the Regional Office, MoEFCC and the respective zonal office of CPCB and SPCB.		Date: 16/05/2026
12	Statutory compliance	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/ CPCB / SPCB shall monitor the stipulated conditions.
PPs Submission: Being Complied In compliance with MoEFCC notification vide S.O-5845, dt. 28th Nov 2018, the online submitted six-monthly compliance report with required annexures is being submitted to MoEFCC/OSPCB Regional Office through e-mail.		Date: 16/05/2026
13	Statutory compliance	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.

<p>PPs Submission: Complied The environmental statement is being submitted every year to OSPCB and RO MoEFCC. Copy of the same is also uploaded on Company website.</p>		<p>Date: 16/05/2026</p>
14	Statutory compliance	<p>The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Bhubaneswar.</p>
<p>PPs Submission: Complied The information was published in the local Newspaper in Odia and English language. Subsequent to the transfer and amendment of environmental clearance in Favour of M/s Tata Steel Limited, information about future clearances and amendments shall be published by Tata Steel.</p>		<p>Date: 16/05/2026</p>
15	MISCELLANEOUS	<p>Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.</p>
<p>PPs Submission: Complied The activity was completed by M/s Stork Ferro Alloys before the start of the construction Work.</p>		<p>Date: 16/05/2026</p>
<p>Visit Remarks</p>		
<p>Last Site Visit Report Date:</p>		<p>N/A</p>
<p>Additional Remarks:</p>		
<p>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.</p>		