TATA

Letter No: TSL/FAMD/FAPA/FY26/2570 Date:29.05.2025

TO,
Deputy Director General of Forests (Central)
Ministry of Environment, Forest & Climate Change,
Regional Office, A/3, Chandrasekharpur,
Bhubaneswar-751023

Sub: Submission of Half Yearly EC Compliance Report for a period Oct'24 to Mar'25

Ref: EC Vide File No. J-11011/43/2011-IA II (I) dated:17th July,2019.

Respected Sir,

With reference to the subject and reference number cited above, we are enclosing the herewith half yearly Compliance return on Environment Clearance for 59400 MTPA High Carbon Ferro-Chrome plant for the period of Oct'24 to Mar'25.

Thanking You,

Yours Truly,

For Tata Steel Limited

(Sarbeswar Nayak)

Plant Head & Factory Manager

Ferro Chrome Plant, Athagarh

Head, Ferro Alloys Plant
Athagarh, Cuttack
Tata Steel Limited

Copy to:
1. The Member Secretary, State Pollution Control Board, A/118, Nilakantha Nagar, Bhubaneswar, Odisha-751012)
2. Regional Officer, State Pollution Control Board, Cuttack

Your (Half Yearly Compliance Report) has been Submitted with following details	
Proposal No	IA/OR/IND/26031/2010
Compliance ID	113144885
Compliance Number(For Tracking)	EC/M/COMPLIANCE/113144885/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	30-05-2025
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
2025
01 Jun(01 Oct - 31 Mar)

Acknowledgement

Proposal Name	Proposed for expansion of Ferro Alloys Plant with addition of 2x16.5 MVA SAF - Amendment of EC for existing 2X16.5 SAF(i.e production capacity of 59400 TPA) at village Ananthapur,Tehsil Athagarh,Dist cuttack,Odisha
Name of Entity / Corporate Office	Tata Steel Limited
Village(s)	N/A
District	CUTTACK

Proposal No.	IA/OR/IND/26031/2010
Plot / Survey / Khasra No.	N/A
State	ODISHA
MoEF File No.	F. No. J-11011/43/2011-IA II (I)

Category	Industrial Projects - 1
Sub-District	N/A
Entity's PAN	*****2803M
Entity name as per PAN	UTSAV KASHYAP

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	Submission of Half Yearly EC Compliance for a period of October 2024 to March 2025 in details below.
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	33.79	33.79
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	33.79	33.79

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	High Carbon Ferro Chrome/High Carbon Silico Manganese/Medium Carbon Silico Manganese/High CarbFerro	Tons per Annum (TPA)	31/03/2026	59,400	51135	59400

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	Prior clearance from standing committee for national board of wild life(NBWL) shall be obtained before commencement of any work at the site for the proposed expansion project

PPs Submission: Complied The expansion project is dropped, and the amended EC has been issued vide letter no. J-11011/43/2011-IA.II(I) dt:17.07.2019 for the existing configuration 2X16.5 MVA SAF of plant production capacity of 59400 TPA of Ferro chrome/silico manganese/Ferro manganese. Hence there will be no further expansion inside the plant premises.	Date: 29/05/2025

2	AIR QUALITY MONITORING AND PRESERVATION	The project proponent should install 24 X 7 air monitoring devices to monitor air emission, as provided by CPCB and submit report to ministry and its regional office.

PPs Submission: Complied Continuous Emission Monitoring Systems (CEMS) has been installed in the process stacks. Continuous data is being transmitted to OSPCB Server. Additionally, manual stack monitoring is also being carried out. Monitoring report for the period Oct-24 to Mar-25 is enclosed herewith.	Date: 30/05/2025

3	ENERGY PRESERVATION MEASURES	The loss of chromium shall be further reduced

PPs Submission: Complied All improvement measures have been taken for recovery of Chromium through the existing Jigging plant. If any other new technology will be available in future shall be adopted.	Date: 29/05/2025

4	AIR QUALITY MONITORING AND PRESERVATION	Measures shall be taken to reduce PM levels in the ambient air. Stack of adequate height and diameter with continuous stack monitoring facilities for all stacks shall be provided and sufficient air pollution control devices viz. Electronic precipitator (ESO) , bag house, bag filters etc shall be provided to keep the emission levels below 50 mg/Nm3 and installing energy efficient technology

PPs Submission: Complied Plant Process stacks of suitable height have been provided with Bag filter-based Gas Cleaning system to limit PM levels within permissible limits. Several other measures have also been implemented to reduce fugitive dust. As a result of the above, PM levels in Ambient Air is being controlled.	Date: 30/05/2025

5	AIR QUALITY MONITORING AND PRESERVATION	The national ambient air quality emission standard assured by the ministry vide G.S.R. no 826(E) dated 16th November, 2009 shall be followed

PPs Submission: Complied Regular Monitoring results indicate that the AAQ results are very much within the NAAQS limit during the operation along with the pollution control equipment.		Date: 29/05/2025
6	AIR QUALITY MONITORING AND PRESERVATION	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 30thmay, 2008 should be followed
PPs Submission: Complied Complied. Inside the plant ambient air quality results indicate the control of emission from secondary sources as on date. The various control measures taken for secondary emission sources are: Source of Secondary Emission Control Measures Road All internal roads are concretized, and additional mobile water sprinkler are engaged within the premises for fugitive dust suppression. Tapping Fume Tapping fumes are sucked by a Hood and collection system which is routed through GCP. Feeding Points All Feeding points are installed with water fogging system. Raw material Conveyers In conveyer nodes intermittent water sprinkling is practice.		Date: 29/05/2025
7	AIR QUALITY MONITORING AND PRESERVATION	Dust extraction system comprising of pulse jet type bag filter, centrifugal fan and motors, dust work including suction hoods, dust supports , stack dust hoppers, rotary air lock , valves etc should be installed
PPs Submission: Complied Plant Process stacks of suitable height have been provided with Bag filter-based Gas Cleaning system to limit PM levels within permissible limits. Several other measures have also been implemented to reduce fugitive dust. As a result of the above, PM levels in Ambient Air is being controlled.		Date: 30/05/2025
8	WATER QUALITY MONITORING AND PRESERVATION	Water sprinkling arrangements as well as dry fog system to control fugitive emission shall be undertaken
PPs Submission: Complied Complied. Dry Fog system is installed at Ground Hopper 1 and 2 at Raw Material feeding System. Water Sprinkling is being carried out in Jigging Plant area as well.		Date: 29/05/2025
9	AIR QUALITY MONITORING AND PRESERVATION	Tap hole emissions shall be taken to GCP system by providing proper hood and suction system.
PPs Submission: Complied Complied. Tap hole emissions are taken to GCP through covered hoods and appropriate suction System.		Date: 29/05/2025
10	WATER QUALITY MONITORING AND PRESERVATION	Water sprinkling at the raw material stock yard to control fugitive emission
PPs Submission: Complied Complied. This is being carried out by mobile sprinkler.		Date: 29/05/2025
11	AIR QUALITY MONITORING AND PRESERVATION	Driver system shall be provided at feeding point, transfer point at proportioning system to control fugitive dust emission

PPs Submission: Complied Driver system has been provided at feeding point, transfer point at proportioning system to control fugitive dust emission.		Date: 30/05/2025
12	AIR QUALITY MONITORING AND PRESERVATION	Dust suppression system and bag filters shall be installed to control the fugitive emissions at conveyor and transfer points, product handling, loading and unloading points.
PPs Submission: Complied Complied .Suitable arrangement has been made to control the fugitive emissions.		Date: 29/05/2025
13	WATER QUALITY MONITORING AND PRESERVATION	The water consumption shall not exceed as per the standard prescribed for the steel plants.
PPs Submission: Complied Complied. Our Monthly water consumption is well within the permissible drawl limit		Date: 29/05/2025
14	WATER QUALITY MONITORING AND PRESERVATION	Efforts shall be further 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 shall be monitored accordingly
PPs Submission: Complied The rain water collected in the plant premises is being stored in the reservoir and utilized for plant operations.		Date: 30/05/2025
15	WATER QUALITY MONITORING AND PRESERVATION	All the effluent shall 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 shall be treated in septic tank followed by soak pit
PPs Submission: Complied Zero discharge has been adopted, and effluent is being treated by ETP and reused in the plant itself. The canteen and ancillary facilities are connected to an STP whose overflow is used for green belt development.		Date: 29/05/2025
16	WATER QUALITY MONITORING AND PRESERVATION	Regular monitoring of influent and effluent surface, sub surface and ground water shall be ensured and treated waste water shall meet the norms prescribed by the SPCB or described under the E(P) Act whichever are more stringent.
PPs Submission: Complied Regular monitoring is carried out as per the CPCB norms and monthly monitoring report is being submitted to OSPCB.		Date: 30/05/2025
17	MISCELLANEOUS	Slag produced in ferro manganese production shall maybe used in manufacture of Silico-manganese. The other Ferro alloy slag shall be used in the preparation of building materials.
PPs Submission: Complied Ferro chrome slag is being stacked within the premises in an identified area and partly being sold to vendor as alternate building material.		Date: 30/05/2025
18	Risk Mitigation and Disaster Management	Risk and Disaster Management Plan along with the mitigation measures shall 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.
PPs Submission: Complied The approved DMP has already been prepared and duly submitted to regional office MOEFCC, BBSR.		Date: 30/05/2025
19	GREENBELT	As proposed green belt shall be developed in 33 percent of the plant area. Selection of plant species shall be as per CPCB guidelines in consultation with the DFO.
PPs Submission: Complied 33 percent of the plant area is being developed as Greenbelt. Plant species are selected as per CPCB guidelines and in consultation with the DFO.		Date: 30/05/2025
20	Corporate Environmental Responsibility	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection for the steel plants shall be implemented
PPs Submission: Complied CSR activities are being carried out in plant periphery area as per Companies Act.		Date: 30/05/2025
21	Corporate Environmental Responsibility	At least 5 percent of the total project cost shall be earmarked towards Enterprise Social Commitment based on local needs. The proponent shall prepare a detailed CSR plan for every next 5 years for the existing -cum-expansion project which includes village wise ,sector wise (Health requirements, sanitation, health skill development and infrastructure requirements such as strengthening of village roads, avenue plantation etc.). The CSR plan will include the amount of 2 percent retain annual profits as provided in Companies Act, 2013 which provides for 2 percent of the average net profits of previous 3 years towards CSR activities for life of the project.
PPs Submission: Complied CSR activities are being carried out in plant periphery area as per Companies Act.		Date: 30/05/2025
22	WATER QUALITY MONITORING AND PRESERVATION	The concrete drains shall be de-silted and regular supervision of the areas shall be carried out so that blocking of the drains may be avoided for quick discharge of rainwater
PPs Submission: Complied Strom water drains are provided and maintained before rainy season and are rose to six inch above ground level for not allowing any contamination through localized runners and spillages.		Date: 30/05/2025
23	WATER QUALITY MONITORING AND PRESERVATION	Rainwater harvesting scheme shall be prepared so that the rainwater can be collected , reused and may be used for ground water recharge
PPs Submission: Complied The rainwater from surrounding catchment areas are isolated by boundary wall on all four side of the plant premises and therefore 12No of water recharge pits are available to handle the runoff water from the plant premises for ground water Recharge controlled by local control gradient.		Date: 30/05/2025
24	AIR QUALITY MONITORING AND PRESERVATION	Monitoring report on Ambient Air Quality, fugitive dust and noise levels inside the plant shall be submitted along with the 6 monthly compliance reports
PPs Submission: Complied		Date:

Monitoring reports are enclosed herewith.		30/05/2025
25	MISCELLANEOUS	Environmental Management Cell shall be established immediately and shall be headed by a Senior Officer and the mandate of the Cell shall be defined for effective Management of environment control measures.
PPs Submission: Complied Environment management cell consists of Chief Environment, Head Environment and Manager-Environment.		Date: 30/05/2025
26	MISCELLANEOUS	The project shall develop its own website to upload compliance measure taken to reduce pollution and to ensure implementation of transparency with general public.
PPs Submission: Complied EC Compliance reports are regularly uploaded on the company website.		Date: 30/05/2025

General Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board and the State Government
PPs Submission: Complied Complied. All the stipulations made by the Odisha Pollution Control Board and the State Government are strictly followed.		Date: 29/05/2025
2	MISCELLANEOUS	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change(MoEFCC)
PPs Submission: Complied Complied. Acknowledged and status quo maintained.		Date: 29/05/2025
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 Regional Office at Bhubaneswar and the SPCB once in six months
PPs Submission: Complied Ambient Air Quality is being monitored at four ambient air quality monitoring stations were installed in consultation with the SPCB. Monthly monitoring reports are being submitted to OSPCB. Compilation of the monitoring report for the period of Oct-24 to Mar-25 is enclosed herewith.		Date: 30/05/2025
4	WASTE MANAGEMENT	Industrial waste water 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 from time to time.
PPs Submission: Complied Effluent generated from the industry is being collected and treated in the ETP for reuse in the plant.		Date: 30/05/2025

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 the sources of noise generation. Ambient noise levels should conform to the standards prescribed under EPA Rules, 1989
PPs Submission: Complied The overall noise levels in and around the plant area is well within the standards (85 dBA). Noise control measures such as acoustic hoods, silencers, enclosures, etc. have been provided.		Date: 30/05/2025
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: Complied Occupational health surveillance of the workers is being done on a regular basis and records are being maintained as per the Factories Act.		Date: 30/05/2025
7	WATER QUALITY MONITORING AND PRESERVATION	The company shall develop rain water harvesting structure to harvest the rain water for utilization in the lean season besides recharging the ground water table
PPs Submission: Complied Rain water collected inside the plant premises is being harvested and utilized for plant operations.		Date: 30/05/2025
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 socio economic development activities in the surrounding villages.
PPs Submission: Complied The environmental protection measures and safeguards recommended in the EIA/EMP report are being complied with. Socio economic developmental activities are being carried out by CSR wing of TSL in the nearby areas.		Date: 30/05/2025
9	Corporate Environmental Responsibility	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environmental 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 stipulated conditions 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 Complied The necessary pollution control equipment has been installed and is under regular maintenance for which funds has been earmarked in the annual budget.		Date: 29/05/2025
10	MISCELLANEOUS	A copy of clearance letter shall be sent by the proponent to the 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 website of the company by the proponent.
PPs Submission: Complied Already Complied.		Date: 30/05/2025
11	MISCELLANEOUS	The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions including results of

		monitored data on their website and shall update the same periodically. It shall be simultaneously 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 or critical sectorial 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 necessary information shall be uploaded, after completion of the web site. Electronic display has been made close to the main gate of plant showing the level of PM10, SO2, NOX.		Date: 30/05/2025
12	MISCELLANEOUS	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 MoEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of the MoEFCC at Bhubaneswar shall monitor the stipulated conditions.
PPs Submission: Complied This copy has been dully submitted to the regional and local authorities respectively.		Date: 30/05/2025
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 Environmental (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 MoEFCC at Bhubaneswar by e-mail
PPs Submission: Complied The last Environmental statement was submitted to SPCB and RO of MoEFCC as per EC condition and EP Rule 1986 vide letter no TSL/FAMD/FAPA/FY25/1112 dated 23.07.2024.		Date: 30/05/2025
14	PUBLIC HEARING	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 the website of the Ministry of Environment, Forests and Climate Change at http:/envfor.nic.in. This shall be advertised within seven days from the date of issue of clearance letter at least in two local newspaper that are widely circulated in the region of which one shall be in vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office at Bhubaneswar.
PPs Submission: Complied Complied. Within six months of obtaining EC due advertisement were published with intimation to all statutory and regulatory authorities for necessary information and record keeping.		Date: 29/05/2025
15	MISCELLANEOUS	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.
PPs Submission: Complied Complied. The expansion project has been dropped and accordingly the amended EC obtained from MoEF and CC vide letter no. J-11011/43/2011-IA.II(I) dt:17.07.2019.		Date: 29/05/2025

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.

Six-Monthly Compliance to Environment Clearance of Stipulated Condition
(Period from Oct 2024 to Mar 2025)

EC-Special Conditions		Compliances
Sr. No.	**Conditions**	
1	Prior clearance from standing committee for national board of wild life(NBWL) shall be obtained before commencement of any work at the site for the proposed expansion project	The expansion project is dropped, and the amended EC has been issued vide letter no. J-11011/43/2011-IA.II(I) dt:17.07.2019 for the existing configuration 2X16.5 MVA SAF of plant production capacity of 59400 TPA of Ferro chrome/silico manganese/Ferro manganese. Hence there will be no further expansion inside the plant premises.
2	The project proponent should install 24 X 7 air monitoring devices to monitor air emission, as provided by CPCB and submit report to ministry and its regional office	Continuous Emission Monitoring Systems (CEMS) has been installed in the process stacks. Continuous data is being transmitted to OSPCB Server. Additionally, manual stack monitoring is also being carried out. Monitoring report for the period Oct-24 to Mar-25 is enclosed herewith.
3	The loss of chromium shall be further reduced	All improvement measures have been taken for recovery of Chromium through the existing Jigging plant. If any other new technology will be available in future shall be adopted.
4	Measures shall be taken to reduce PM levels in the ambient air. A stack of adequate height and diameter with continuous stack monitoring facilities for all stacks shall be provided and sufficient air pollution control devices viz. Electronic precipitator (ESO), bag house, bag filters etc shall be provided to keep the emission levels below 50 mg/Nm3 and installing energy efficient technology	Plant Process stacks of suitable height have been provided with Bag filter-based Gas Cleaning system to limit PM levels within permissible limits. Several other measures have also been implemented to reduce fugitive dust. As a result of the above, PM levels in Ambient Air is being controlled. .
5	The national ambient air quality emission standard assured by the ministry vide G.S.R. no 826(E) dated 16th November, 2009 shall be followed	Regular Monitoring results indicate that the AAQ results are well within the NAAQS limit during the operation along with the pollution control equipment.
6	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 30thmay, 2008 should be followed	Inside the plant ambient air quality results indicate the control of emissions from secondary sources as on date. The various control measures taken for secondary emission sources are: Road - All internal roads are concretized and additional mobile water sprinkler are engaged within the premises for fugitive dust suppression.

Six-Monthly Compliance to Environment Clearance of Stipulated Condition
(Period from Oct 2024 to Mar 2025)

		Tapping Fume: Tapping fumes are sucked by a Hood and collection system which is routed through GCP. Feeding Points: All Feeding points are installed with a water fogging system. Raw material Conveyers: In conveyer nodes intermittent water sprinkling is practice.
7	Dust extraction system comprising of pulse jet type bag filter, centrifugal fan and motors, dust work including suction hoods, dust supports, stack dust hoppers, rotary air lock, valves etc should be installed	Plant Process stacks of suitable height have been provided with Bag filter-based Gas Cleaning system to limit PM levels within permissible limits. Several other measures have also been implemented to reduce fugitive dust. As a result of the above, PM levels in Ambient Air is being controlled. .
8	Water sprinkling arrangements as well as dry fog system to control fugitive emission shall be undertaken	Dry Fog system is installed at Ground Hopper 1 & 2 at Raw Material feeding System. Water Sprinkling is being carried out in Jigging Plant area as well.
9	Tap hole emissions shall be taken to GCP system by providing proper hood and suction system.	Tap hole emissions are taken to GCP through covered hoods and appropriate suction System.
10	Water sprinkling at the raw material stock yard to control fugitive emissions	This is being carried out by mobile sprinkler.
11	Driver system shall be provided at feeding point, transfer point at proportioning system to control fugitive dust emission	Driver system has been provided at feeding point, transfer point at proportioning system to control fugitive dust emission.
12	Dust suppression system and bag filters shall be installed to control the fugitive emissions at conveyor and transfer points, product handling, loading and unloading points.	Suitable arrangements have been made to control the dust.
13	The water consumption shall not exceed as per the standard prescribed for the steel plants.	Our Monthly water consumption is well within the permissible drawl limit.
14	Efforts shall be further 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 shall be monitored accordingly	The rain water collected in the plant premises is being stored in the reservoir and utilized for plant operations.
15	All the effluent shall 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 shall be treated in septic tank followed by soak pit	Zero discharge has been adopted, and effluent is being treated by ETP and reused in the plant itself. The canteen and ancillary facilities are connected to an STP whose overflow is used for green belt development.

Six-Monthly Compliance to Environment Clearance of Stipulated Condition (Period from Oct 2024 to Mar 2025)

16	Regular monitoring of influent and effluent surface, sub surface and ground water shall be ensured and treated waste water shall meet the norms prescribed by the SPCB or described under the E(P) Act whichever are more stringent.	Regular monitoring is carried out as per the CPCB norms and monthly monitoring report is being submitted to OSPCB.
17	Slag produced in ferro manganese production shall maybe used in manufacture of Silico-manganese. The other Ferro alloy slag shall be used in the preparation of building materials.	Ferro chrome slag is being stacked within the premises in an identified area and partly being sold to vendor as alternate building material.
18	Risk and Disaster Management Plan along with the mitigation measures shall 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.	The approved DMP has already been prepared &duly submitted to regional office MOEF &CC, BBSR. **Annexure#2**
19	As proposed green belt shall be developed in 33 % of the plant area. Selection of plant species shall be as per CPCB guidelines in consultation with the DFO.	33 % of the plant area is being developed as Greenbelt. Plant species are selected as per CPCB guidelines and in consultation with the DFO.
20	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection for the steel plants shall be implemented	CSR activities are being carried out in the plant periphery area as per the Companies Act.
21	At least 5 % of the total project cost shall be earmarked towards Enterprise Social Commitment based on local needs. The proponent shall prepare a detailed CSR plan for every next 5 years for the existing -cum-expansion project which includes village wise, sector wise (Health requirements, sanitation, health skill development and infrastructure requirements such as strengthening of village roads, avenue plantation etc.). The CSR plan will include the amount of 2 % retain annual profits as provided in Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project.	CSR activities are being carried out in plant periphery area as per Companies Act.
22	The concrete drains shall be de-silted and regular supervision of the areas shall be carried out so that blocking of the drains may be avoided for quick discharge of rainwater	Strom water drains are provided and maintained before rainy season and are rose to six inch above ground level for not allowing any contamination through localized runners and spillages.
23	Rainwater harvesting scheme shall be prepared so that the rainwater can be collected, reused and may be used for ground water recharge	The rainwater from surrounding catchment areas are isolated by boundary wall on all four side of the plant premises and therefore 12No's of water recharge pits are available to handle the runoff water from the plant premises for

Six-Monthly Compliance to Environment Clearance of Stipulated Condition
(Period from Oct 2024 to Mar 2025)

		ground water Recharge controlled by local control gradient.
24	Monitoring report on Ambient Air Quality, fugitive dust and noise levels inside the plant shall be submitted along with the 6 monthly compliance reports	Monitoring reports are enclosed herewith.
25	Environmental Management Cell shall be established immediately and shall be headed by a Senior Officer and the mandate of the Cell shall be defined for effective Management of environment control measures.	Environment management cell consist of Chief Environment, Head Environment and Manager-Environment.
26	The project shall develop its own website to upload compliance measure taken to reduce pollution and to ensure implementation of transparency with general public.	EC Compliance reports are regularly uploaded on the company website.
EC- General Conditions		
1	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board and the State Government	All the stipulations made by the Odisha Pollution Control Board and the State Government are strictly followed.
2	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF &CC)	Acknowledged and status quo maintained.
3	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 Regional Office at Bhubaneswar and the SPCB once in six months	Ambient Air Quality is being monitored at four ambient air quality monitoring stations were installed in consultation with the SPCB**.** Monthly monitoring reports are being submitted to OSPCB. Compilation of the monitoring report for the period of Oct-24 to Mar-25 is **enclosed herewith**.
4	Industrial waste water 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 from time to time.	Effluent generated from the industry is being collected & treated in the ETP for reuse in the plant.
5	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 the sources of noise generation. Ambient noise levels should conform to the standards prescribed under EPA Rules, 1989	The overall noise levels in and around the plant area is well within the standards (85 dBA). Noise control measures such as acoustic hoods, silencers, enclosures, etc. have been provided.
6	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of the workers is being done on a regular basis and records are being maintained as per the Factories Act.

Six-Monthly Compliance to Environment Clearance of Stipulated Condition
(Period from Oct 2024 to Mar 2025)

7	The company shall develop rain water harvesting structure to harvest the rain water for utilization in the lean season besides recharging the ground water table	Rain water collected inside the plant premises is being harvested and utilized for plant operations.
8	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.	The environmental protection measures and safeguards recommended in the EIA/EMP report are being complied with. Socio economic developmental activities are being carried out by CSR wing of TSL in the nearby areas.
9	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environmental pollution control measures to implement the conditions stipulated by the ministry of Environment, Forest and Climate Change (MoEF&CC) as well as the State Government. An implementation schedule for implementing all the stipulated conditions 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	The necessary pollution control equipment has been installed and is under regular maintenance for which funds has been earmarked in the annual budget.
10	A copy of clearance letter shall be sent by the proponent to the 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 website of the company by the proponent.	Already Complied.
11	The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions including results of monitored data on their website and shall update the same periodically. It shall be simultaneously sent to the Regional Office of the MoEF&CC at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely PM10, SO2, NOX or critical sectorial 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.	The necessary information shall be uploaded, after completion of the web site. Electronic display has been made close to the main gate of plant showing the level of PM10, SO2, NOX .
12	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&CC, the respective Zonal Office of CPCB and	This copy has been dully submitted to the regional and local authorities respectively.

	the SPCB. The Regional Office of the MoEF&CC at Bhubaneswar shall monitor the stipulated conditions.	
13	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 Environmental (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&CC at Bhubaneswar by e-mail	The last Environmental statement was submitted to SPCB & RO of MoEF&CC as per EC condition & EP Rule 1986 vide letter no TSL/FAMD/FAPA/FY25/1112 dated 23.07.2024
14	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 the website of the Ministry of Environment, Forests and Climate Change at http:/envfor.nic.in. This shall be advertised within seven days from the date of issue of clearance letter at least in two local newspaper that are widely circulated in the region of which one shall be in vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office at Bhubaneswar.	Advertisements were published with intimation to all statutory and regulatory authorities within six months of obtaining EC for necessary information and record keeping.
15	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.	The expansion project has been dropped and accordingly the amended EC obtained from MoEF & CC vide letter no. J-11011/43/2011-IA.II(I) dt:17.07.2019.

Envlab/25-26/TR- 02836 **Date: 04.04.2025**

SIX MONTHLY COMPLIANCE REPORT OCTOBER-2024 TO MARCH -2025
STATIONARY EMISSION MONITORING REPORT

1.Name of Industry : **M/s. Tata Steel Ltd(Formerly Known as Tata Steel Mining Ltd) Anantpur, Dhurusia, Cuttack**

2.Monitoring Instrument : **Vayubodhan Stach Sampler VSS 1**

Stack Attached to Furnace-1														
Parameters	**Prescribed Standard as per CTO**	**OCT 24**		**NOV 24**		**DEC 24**		**JAN 25**		**FEB 25**		**MAR 25**		**Average**
Stack Temperature 0C	--	119	125	87.6	93.2	89.1	92.4	79.2	85.2	76.2	81.3	74.8	78.1	90.1
Velocity of Flue Gas m/sec	--	16.1	17.5	14.8	16.3	15.2	17.3	14.6	16.3	13.8	15.4	13.8	14.7	15.5
Concentration of Carbon Monoxide (as CO) PPM	--	10.4	14.5	12.2	13.6	14.6	15.5	19.2	17.3	16.8	15.4	14.5	16.2	15.0
Concentration of Carbon dioxide (as CO_2) %	--	14.5	15.7	16.3	14.5	12.8	13.8	9.6	11.6	7.5	8.2	8.7	9.3	11.9
Concentration of Sulphur dioxide (as SO_2) mg/Nm^3	--	49.8	56.8	38.6	46.1	40.1	44.7	38.63	41.5	42.1	40.5	39.6	42.1	43.4
Concentration of Oxides of Nitrogen (as NO_X) mg/Nm^3	--	28.3	30.4	29.1	31.2	33.2	32.1	34.1	33.6	35.6	32.8	34.6	33.5	32.4
Concentration of Particulate Matter (as PM) mg/Nm^3	100	39.2	42.1	36.6	39.6	34.9	36.9	31.8	33.7	32.3	34.1	32.3	34.1	35.6

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Approved By

Envlab/25-26/TR- 02837 Date: 04.04.2025

SIX MONTHLY COMPLIANCE REPORT OCTOBER-2024 TO MARCH -2025
STATIONARY EMISSION MONITORING REPORT

1.Name of Industry : M/s. Tata Steel Ltd(Formerly Known as Tata Steel Mining Ltd) Anantpur, Dhurusia, Cuttack

2.Monitoring Instrument : Vayubodhan Stach Sampler VSS 1

Stack Attached to Furnace-2													
Parameters	Prescribed Standard as per CTO	OCT 24		NOV 24		DEC 24		JAN 25		FEB 25		MAR 25	Average
Stack Temperature 0C	--	117	28.6	81.2	87.5	83.2	85.1	81.3	80.6	79.5	77.4	75.6	79.7
Velocity of Flue Gas m/sec	--	17.6	16.9	14.76	17.4	14.6	16.3	15.1	17.1	14.5	16.2	15.2	16.0
Concentration of Carbon Monoxide (as CO) PPM	--	12.5	13.3	11.6	12.5	12.2	13.6	18.3	16.4	15.5	17.2	16.2	15.6
Concentration of Carbon dioxide (as CO_2) %	--	14.1	17.2	15.4	16.8	13.4	15.7	11.6	13.7	9.1	12.5	9.3	12.5
Concentration of Sulphur dioxide (as SO_2) mg/Nm^3	--	33.6	36.7	34.5	35.4	37.1	36.2	35.9	24.1	38.2	35.5	36.5	12.2
Concentration of Oxides of Nitrogen (as NO_X) mg/Nm^3	--	29.7	30.5	25.6	24.6	28.5	26.9	26.5	25.1	29.4	30.6	27.4	15.9
Concentration of Particulate Matter (as PM) mg/Nm^3	100	41.8	43.1	40.9	41.2	36.8	39.1	33.9	35.2	30.7	33.4	34.9	34.9

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Envlab/25-26/TR-02838 **Date:04.04.2025**

SIX MONTHLY COMPLIANCE REPORT OCTOBER-2024 TO MARCH-2025
STATIONARY EMISSION MONITORING REPORT

1.Name of Industry : **M/s. Tata Steel Ltd(Formerly Known as Tata Steel Mining Ltd) Anantpur, Dhurusia, Cuttack**

2.Monitoring Instrument : **Vayubodhan Stach Sampler VSS 1**

Stack Attached to Briquetting Plant														
Parameters	**Prescribed Standard as per CTO**	**OCT 24**		**NOV 24**		**DEC 24**		**JAN 25**		**FEB 25**		**MAR 25**		**Average**
Stack Temperature 0C	--	74.2	77.2	74	73.4	75.1	72.8	76.3	83.6	74.5	78.2	73.6	75.9	75.7
Velocity of Flue Gas m/sec	--	18.6	22.1	16.5	19.8	18.4	17.5	12.6	14.2	11.8	13.3	13.5	14.6	16.1
Concentration of Carbon Monoxide (as CO) PPM	--	15.3	12.8	14.8	13.2	15.2	14.7	13.6	16.2	14.3	15.9	13.8	14.2	14.7
Concentration of Carbon dioxide (as CO_2) %	--	13.8	19.4	17.2	18.5	18.5	19.3	13.8	14.2	16.5	13.8	15.2	16.1	14.0
Concentration of Sulphur dioxide (as SO_2) mg/Nm^3	--	33.6	37.2	35.2	33.7	37.1	35.4	36.5	34.8	34.7	32.7	33.7	34.2	15.9
Concentration of Oxides of Nitrogen (as NO_X) mg/Nm^3	--	26.7	25.1	24.1	23.8	26.1	24.8	25.8	22.7	23.7	25.1	25.5	27.3	17.2
Concentration of Particulate Matter (as PM) mg/Nm^3	100	72.9	73.8	69.8	71.5	72.6	71.9	73.5	69.4	67.1	70.8	68.4	72.1	34.9

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Envlab/25-26/TR-02832 **Date:04.04.2025**

SIX MONTHLY COMPLIANCE REPORT OCTOBER-2024 TO MARCH-2025
AAQ MONITORING REPORT

1. Name of Industry	:	**M/s. Tata Steel Ltd(Formerly Known as Tata Steel Mining Ltd) Anantpur, Dhurusia, Cuttack**
2. Sampling Location	:	**S-1 : Near Substation**
3. Monitoring Instruments	:	RDS (APM 460 BL), FPS (APM 550) Envirotech, CO Monitor, VOC Sampler.
4. Sample collected by	:	VCSPL Representative

Date	PARAMETERS											
	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_x ($\mu g/m^3$)	NH_3 ($\mu g/m^3$)	O_3 ($\mu g/m^3$)	CO (mg/m^3)	Pb ($\mu g/m^3$)	Ni (ng/m^3)	As (ng/m^3)	C_6H_6 ($\mu g/m^3$)	BaP (ng/m^3)
OCT 24	61.9	31.0	12.1	20.2	24.7	11.1	0.8	BDL	BDL	BDL	BDL	BDL
NOV 24	62.6	31.9	11.7	21.3	25.6	10.5	0.8	BDL	BDL	BDL	BDL	BDL
DEC 24	66.2	33.2	12.1	23.6	24.7	9.8	0.8	BDL	BDL	BDL	BDL	BDL
JAN 25	67.7	34.5	12.4	23.9	24.5	8.8	0.8	BDL	BDL	BDL	BDL	BDL
FEB 25	68.5	34.3	12.5	23.0	26.7	8.9	0.8	BDL	BDL	BDL	BDL	BDL
MAR 25	67.9	35.4	12.3	23.5	26.9	9.6	0.9	BDL	BDL	BDL	BDL	BDL
Average	65.8	33.4	12.2	22.6	25.5	9.8	0.8	BDL	BDL	BDL	BDL	BDL
NAAQ Standard	100	60	80	80	400	180	04	01	20	06	05	01
Testing method	Gravimetric	Gravimetric	Improved West and Gaeke method	Modified Jacob & Hochheiser (Na-Arsenite)	Chemical Method	NDIR Spectro scopy	Indo phenol blue method	Absorption & Desorption followed by GC analysis	Solvent extraction followed by Gas Chromatography analysis	AAS method after sampling	AAS method after sampling	AAS method after sampling

BDL Values: *PM10<20* µg/m3, *PM2.5<10* µg/m3***SO2***< 4 $\mu g/m^3$, NO_X< 6 $\mu g/m^3$,O_3<5 $\mu g/m^3$, CO-<0.1 mg/m^3, NH_3 <20 $\mu g/m^3$, C_6H_6<4 $\mu g/m^3$, BaP<0.5 ng/m^3, Ni<2.5 ng/m^3, Pb<0.02$\mu g/m^3$, As < 1 ng/m^3.

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Approved By

Envlab/25-26/TR-02833 **Date: 04.04.2025**

SIX MONTHLY COMPLIANCE REPORT OCTOBER-2024 TO MARCH -2025
AAQ MONITORING REPORT

1. Name of Industry	:	**M/s. Tata Steel Ltd(Formerly Known as Tata Steel Mining Ltd) Anantpur, Dhurusia, Cuttack**
2. Sampling Location	:	**S2: Near Canteen Site**
3. Monitoring Instruments	:	RDS (APM 460 BL), FPS (APM 550) Envirotech, CO Monitor, VOC Sampler.
4. Sample collected by	:	VCSPL Representative

Date	PARAMETERS											
	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_x ($\mu g/m^3$)	NH_3 ($\mu g/m^3$)	O_3 ($\mu g/m^3$)	CO (mg/m^3)	Pb ($\mu g/m^3$)	Ni (ng/m^3)	As (ng/m^3)	C_6H_6 ($\mu g/m^3$)	BaP (ng/m^3)
OCT 24	58.8	28.0	10.3	18.2	21.8	10.1	0.69	BDL	BDL	BDL	BDL	BDL
NOV 24	59.3	29.7	12.5	21.0	23.4	10.2	0.7	BDL	BDL	BDL	BDL	BDL
DEC 24	61.1	29.4	10.8	17.9	22.4	9.8	0.63	BDL	BDL	BDL	BDL	BDL
JAN 25	62.2	30.5	10.9	19.5	22.3	8.7	0.68	BDL	BDL	BDL	BDL	BDL
FEB 25	61	29.8	10.1	20.8	22.3	8.4	0.67	BDL	BDL	BDL	BDL	BDL
MAR 25	62.7	30.7	10.6	20.7	22.5	10	0.59	BDL	BDL	BDL	BDL	BDL
Average	60.9	29.7	10.9	19.7	22.5	9.5	0.7	BDL	BDL	BDL	BDL	BDL
NAAQ Standard	100	60	80	80	400	180	04	01	20	06	05	01
Testing method	Gravimetric	Gravimetric	Improved West and Gaeke method	Modified Jacob & Hochheiser (Na-Arsenite)	Chemical Method	NDIR Spectro scopy	Indo phenol blue method	Absorption & Desorption followed by GC analysis	Solvent extraction followed by Gas Chromatography analysis	AAS method after sampling	AAS method after sampling	AAS method after sampling

BDL Values: *PM10<20* µg/m3, *PM2.5<10* µg/m3***SO2***< 4 $\mu g/m^3$, NO_X< 6 $\mu g/m^3$,O_3<4 $\mu g/m^3$, CO-<0.1 mg/m^3, NH_3 <20 $\mu g/m^3$, C_6H_6<4 $\mu g/m^3$, BaP<0.5 ng/m^3, Ni<2.5 ng/m^3, Pb<0.02$\mu g/m^3$, As < 1 ng/m^3.

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Envlab/25-26/TR-02834 **Date:04.04.2025**

SIX MONTHLY COMPLIANCE REPORT OCTOBER-2024 TO MARCH -2025
AAQ MONITORING REPORT

1. Name of Industry	:	**M/s. Tata Steel Ltd(Formerly Known as Tata Steel Mining Ltd) Anantpur, Dhurusia, Cuttack**
2. Sampling Location	:	**S3: Near Workshop**
3. Monitoring Instruments	:	RDS (APM 460 BL), FPS (APM 550) Envirotech, CO Monitor, VOC Sampler.
4. Sample collected by	:	VCSPL Representative

Date	PARAMETERS											
	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_x ($\mu g/m^3$)	NH_3 ($\mu g/m^3$)	O_3 ($\mu g/m^3$)	CO (mg/m^3)	Pb ($\mu g/m^3$)	Ni (ng/m^3)	As (ng/m^3)	C_6H_6 ($\mu g/m^3$)	BaP (ng/m^3)
OCT 24	60.8	30.4	10.8	19.5	23	10.7	0.76	BDL	BDL	BDL	BDL	BDL
NOV 24	60.7	30.9	12.3	21.8	24.1	10.5	0.69	BDL	BDL	BDL	BDL	BDL
DEC 24	64.4	32.4	10.9	21.4	23.5	10.2	0.75	BDL	BDL	BDL	BDL	BDL
JAN 25	64.9	32.6	11.4	25.1	23.5	8.7	0.79	BDL	BDL	BDL	BDL	BDL
FEB 25	65.9	33.6	11.9	24.4	25.3	8.5	0.8	BDL	BDL	BDL	BDL	BDL
MAR 25	64.3	32.8	12.7	22.2	23.3	11.3	0.76	BDL	BDL	BDL	BDL	BDL
Average	63.5	32.1	11.7	22.4	23.8	10.0	0.8	BDL	BDL	BDL	BDL	BDL
NAAQ Standard	100	60	80	80	400	180	04	01	20	06	05	01
Testing method	Gravimetric	Gravimetric	Improved West and Gaeke method	Modified Jacob & Hochheiser (Na-Arsenite)	Chemical Method	NDIR Spectroscopy	Indo phenol blue method	Absorption & Desorption followed by GC analysis	Solvent extraction followed by Gas Chromatography analysis	AAS method after sampling	AAS method after sampling	AAS method after sampling

BDL Values: *PM10<20* µg/m3, *PM2.5<10* µg/m3***SO2***< 4 $\mu g/m^3$, NO_X< 6 $\mu g/m^3$,O_3<4 $\mu g/m^3$, CO-<0.1 mg/m^3, NH_3 <20 $\mu g/m^3$, C_6H_6<4 $\mu g/m^3$, BaP<0.5 ng/m^3, Ni<2.5 ng/m^3, Pb<0.02$\mu g/m^3$, As < 1 ng/m^3.

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Envlab/25-26/TR-02835 **Date:04.04.2025**

SIX MONTHLY COMPLIANCE REPORT OCTOBER-2024 TO MARCH -2025
AAQ MONITORING REPORT

1. Name of Industry	:	**M/s. Tata Steel Ltd(Formerly Known as Tata Steel Mining Ltd) Anantpur, Dhurusia, Cuttack**
2. Sampling Location	:	**S4: Near Dispatch Yard**
3. Monitoring Instruments	:	RDS (APM 460 BL), FPS (APM 550) Envirotech, CO Monitor, VOC Sampler.
4. Sample collected by	:	VCSPL Representative

Date	PARAMETERS											
	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_x ($\mu g/m^3$)	NH_3 ($\mu g/m^3$)	O_3 ($\mu g/m^3$)	CO (mg/m^3)	Pb ($\mu g/m^3$)	Ni (ng/m^3)	As (ng/m^3)	C_6H_6 ($\mu g/m^3$)	BaP (ng/m^3)
OCT 24	63.2	32.2	12.7	21.6	25.4	11	0.8	BDL	BDL	BDL	BDL	BDL
NOV 24	63.7	33	13.3	22.6	25.8	9.4	0.81	BDL	BDL	BDL	BDL	BDL
DEC 24	69.2	35.1	15	25.1	27.8	9.7	0.83	BDL	BDL	BDL	BDL	BDL
JAN 25	70.4	36.1	14.7	25.3	27.6	9.0	0.86	BDL	BDL	BDL	BDL	BDL
FEB 25	70.5	36.1	15	25.8	28.3	8.4	0.86	BDL	BDL	BDL	BDL	BDL
MAR 25	70.3	35.7	14.3	24.8	28.8	9.7	0.86	BDL	BDL	BDL	BDL	BDL
Average	67.9	34.7	14.2	24.2	27.3	9.5	0.8	BDL	BDL	BDL	BDL	BDL
NAAQ Standard	100	60	80	80	400	180	04	01	20	06	05	01
Testing method	Gravimetric	Gravimetric	Improved West and Gaeke method	Modified Jacob & Hochheiser (Na-Arsenite)	Chemical Method	NDIR Spectro scopy	Indo phenol blue method	Absorption & Desorption followed by GC analysis	Solvent extraction followed by Gas Chromatography analysis	AAS method after sampling	AAS method after sampling	AAS method after sampling

BDL Values: *PM10<20* µg/m3, *PM2.5<10* µg/m3***SO2***< 4 $\mu g/m^3$, NO_X< 6 $\mu g/m^3$,O_3<4 $\mu g/m^3$, CO-<0.1 mg/m^3, NH_3 <20 $\mu g/m^3$, C_6H_6<4 $\mu g/m^3$, BaP<0.5 ng/m^3, Ni<2.5 ng/m^3, Pb<0.02$\mu g/m^3$, As < 1 ng/m^3.

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Approved By

Envlab/25-26/TR- 02836 **Date: 04.04.2025**

SIX MONTHLY COMPLIANCE REPORT OCTOBER-2024 TO MARCH -2025
STATIONARY EMISSION MONITORING REPORT

1.Name of Industry : **M/s. Tata Steel Ltd(Formerly Known as Tata Steel Mining Ltd) Anantpur, Dhurusia, Cuttack**

2.Monitoring Instrument : **Vayubodhan Stach Sampler VSS 1**

Stack Attached to Furnace-1														
Parameters	**Prescribed Standard as per CTO**	**OCT 24**		**NOV 24**		**DEC 24**		**JAN 25**		**FEB 25**		**MAR 25**		**Average**
Stack Temperature 0C	--	119	125	87.6	93.2	89.1	92.4	79.2	85.2	76.2	81.3	74.8	78.1	90.1
Velocity of Flue Gas m/sec	--	16.1	17.5	14.8	16.3	15.2	17.3	14.6	16.3	13.8	15.4	13.8	14.7	15.5
Concentration of Carbon Monoxide (as CO) PPM	--	10.4	14.5	12.2	13.6	14.6	15.5	19.2	17.3	16.8	15.4	14.5	16.2	15.0
Concentration of Carbon dioxide (as CO_2) %	--	14.5	15.7	16.3	14.5	12.8	13.8	9.6	11.6	7.5	8.2	8.7	9.3	11.9
Concentration of Sulphur dioxide (as SO_2) mg/Nm^3	--	49.8	56.8	38.6	46.1	40.1	44.7	38.63	41.5	42.1	40.5	39.6	42.1	43.4
Concentration of Oxides of Nitrogen (as NO_X) mg/Nm^3	--	28.3	30.4	29.1	31.2	33.2	32.1	34.1	33.6	35.6	32.8	34.6	33.5	32.4
Concentration of Particulate Matter (as PM) mg/Nm^3	100	39.2	42.1	36.6	39.6	34.9	36.9	31.8	33.7	32.3	34.1	32.3	34.1	35.6

Verified By

Approved By

Envlab/25-26/TR- 02837 **Date: 04.04.2025**

SIX MONTHLY COMPLIANCE REPORT OCTOBER-2024 TO MARCH -2025
STATIONARY EMISSION MONITORING REPORT

1.Name of Industry : **M/s. Tata Steel Ltd(Formerly Known as Tata Steel Mining Ltd) Anantpur, Dhurusia, Cuttack**

2.Monitoring Instrument : **Vayubodhan Stach Sampler VSS 1**

Stack Attached to Furnace-2													
Parameters	**Prescribed Standard as per CTO**	**OCT 24**		**NOV 24**		**DEC 24**		**JAN 25**		**FEB 25**		**MAR 25**	**Average**
Stack Temperature 0C	--	117	28.6	81.2	87.5	83.2	85.1	81.3	80.6	79.5	77.4	75.6	79.7
Velocity of Flue Gas m/sec	--	17.6	16.9	14.76	17.4	14.6	16.3	15.1	17.1	14.5	16.2	15.2	16.0
Concentration of Carbon Monoxide (as CO) PPM	--	12.5	13.3	11.6	12.5	12.2	13.6	18.3	16.4	15.5	17.2	16.2	15.6
Concentration of Carbon dioxide (as CO_2) %	--	14.1	17.2	15.4	16.8	13.4	15.7	11.6	13.7	9.1	12.5	9.3	12.5
Concentration of Sulphur dioxide (as SO_2) mg/Nm^3	--	33.6	36.7	34.5	35.4	37.1	36.2	35.9	24.1	38.2	35.5	36.5	12.2
Concentration of Oxides of Nitrogen (as NO_X) mg/Nm^3	--	29.7	30.5	25.6	24.6	28.5	26.9	26.5	25.1	29.4	30.6	27.4	15.9
Concentration of Particulate Matter (as PM) mg/Nm^3	100	41.8	43.1	40.9	41.2	36.8	39.1	33.9	35.2	30.7	33.4	34.9	34.9

Verified By

Approved By

Envlab/25-26/TR-02838 **Date:04.04.2025**

SIX MONTHLY COMPLIANCE REPORT OCTOBER-2024 TO MARCH-2025
STATIONARY EMISSION MONITORING REPORT

1.Name of Industry : **M/s. Tata Steel Ltd(Formerly Known as Tata Steel Mining Ltd) Anantpur, Dhurusia, Cuttack**

2.Monitoring Instrument : **Vayubodhan Stach Sampler VSS 1**

Stack Attached to Briquetting Plant														
Parameters	**Prescribed Standard as per CTO**	**OCT 24**		**NOV 24**		**DEC 24**		**JAN 25**		**FEB 25**		**MAR 25**		**Average**
Stack Temperature 0C	--	74.2	77.2	74	73.4	75.1	72.8	76.3	83.6	74.5	78.2	73.6	75.9	75.7
Velocity of Flue Gas m/sec	--	18.6	22.1	16.5	19.8	18.4	17.5	12.6	14.2	11.8	13.3	13.5	14.6	16.1
Concentration of Carbon Monoxide (as CO) PPM	--	15.3	12.8	14.8	13.2	15.2	14.7	13.6	16.2	14.3	15.9	13.8	14.2	14.7
Concentration of Carbon dioxide (as CO_2) %	--	13.8	19.4	17.2	18.5	18.5	19.3	13.8	14.2	16.5	13.8	15.2	16.1	14.0
Concentration of Sulphur dioxide (as SO_2) mg/Nm^3	--	33.6	37.2	35.2	33.7	37.1	35.4	36.5	34.8	34.7	32.7	33.7	34.2	15.9
Concentration of Oxides of Nitrogen (as NO_X) mg/Nm^3	--	26.7	25.1	24.1	23.8	26.1	24.8	25.8	22.7	23.7	25.1	25.5	27.3	17.2
Concentration of Particulate Matter (as PM) mg/Nm^3	100	72.9	73.8	69.8	71.5	72.6	71.9	73.5	69.4	67.1	70.8	68.4	72.1	34.9

Verified By

Approved By

Envlab/25-26/TR-02839 Date: 04.04.2025

SIX MONTH COMPLIANCE REPORT ETP WATER OCT-24 to MAR-25

1.	Name of Industry	:	**M/s. Tata Steel Ltd(Formerly Known as Tata Steel Mining Ltd) Anantpur, Dhurusia, Cuttack**
2.	Sample Collected By	:	VCSPL Representative

ETP-INLET

Parameters	Standard (Inland Surface water) Part-A	Unit	OCT 24	NOV 24	DEC 24	JAN 25	FEB 25	MAR 25	Average
pH value at 25^0C	5.5-9.0	--	9.23	8.7	9.64	8.94	9.36	9.65	9.25
Iron as Fe	3.0	mg/l	3.78	4.12	4.39	3.74	2.43	3.26	3.62
Oil & grease	10.0	mg/l	7.3	8.5	7.1	6.5	6.1	7.3	7.1
Total Chromium (as Cr)	2.0	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexavalent Chromium as (Cr^{+6})	0.1	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chemical Oxygen Demand (as COD)	250	mg/l	46.5	51.2	44.5	41.2	45.3	47.1	45.97
Biochemical Oxygen Demand (as BOD),3 Days at 27°C	30	mg/l	14.2	16.8	14.1	13.5	15.1	16.2	14.98
Total Suspended Solids	100	mg/l	97.1	124	158	163	93	96	122

ETP-OUTLET

Parameters	Standard (Inland Surface water) Part-A	Unit	OCT 24	NOV 24	DEC 24	JAN 25	FEB 25	MAR 25	Average
pH value at 25^0C	5.5-9.0	--	7.36	7.24	7.35	7.36	6.84	7.52	7.28
Iron as Fe	3.0	mg/l	0.51	0.47	0.59	0.61	0.55	0.62	0.56
Oil & grease	10.0	mg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Chromium (as Cr)	2.0	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexavalent Chromium as (Cr^{+6})	0.1	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chemical Oxygen Demand (as COD)	250	mg/l	8.2	11.7	15.6	17.4	14.1	15.9	13.8
Biochemical Oxygen Demand (as BOD),3 Days at 27°C	30	mg/l	2.9	3.5	4.7	5.3	4.6	4.8	4.3
Total Suspended Solids	100	mg/l	9.4	8.6	12.4	14.2	12.5	14.1	11.87

Verified By

Approved By

Envlab/25-26/TR-02840 **Date:04.04.2025**

SIX MONTHLY COMPLIANCE REPORT OCTOBER-2024 TO MARCH -2025
NOISE LEVEL MONITORING REPORT

Name & Address of the Client : M/s. Tata Steel Ltd (Formerly Known as Tata Steel Mining Ltd) Anantpur, Dhurusia, Cuttack

Instrument Used	:	Noise Meter
Sample Collected By	:	VCSPL Representative

SL. No.	LOCATION	DEC 24		MAR 25		AVG	
		Noise Level in dB(A)		Noise Level in dB(A)		Noise Level in dB(A)	
		DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
1.	Cast House Area	69.4	56.2	68.5	53.5	68.95	54.85
2	MRSS Control Room	67.1	63.3	66.3	61.4	66.7	62.35
3	Electrical DG Room	50.4	49.6	52.8	48.6	51.6	49.1
4	Plant Medical	68.1	61.2	66.9	63.5	67.5	62.35
5	General Store Room	45.3	42.4	44.7	44.2	45	43.3
6	Pump House Area	73.1	68.4	71.6	66.7	72.35	67.55
7	QC Laboratory	45.3	43.2	46.2	45.2	45.75	44.2
8	Briquette Plant Control Room	74.5	67.2	73.3	65.6	73.9	66.4
9	Sampling Shade Room	74.3	68.2	72.8	66.1	73.55	67.15
10	Conveyor Feeding Site	72.3	65.5	71.9	64.9	72.1	65.2
11	Labour Rest Room	49.7	44.1	51.2	46.3	50.45	45.2
12	Weigh Bridge – I	54.4	52.1	52.5	51.4	53.45	51.75
13	Weigh Bridge – II	49.8	42.8	50.5	44.5	50.15	43.65
14	Mechanical Work Shop	54.2	49.6	52.6	46.1	53.4	47.85
15	Feeding Rest Room	52.3	50.7	53.8	53.5	53.05	52.1
16	Security Room	50.3	47.9	48.7	46.4	49.5	47.15
17	Jigging Plant-I	63.2	60.4	62.6	58.6	62.9	59.5
18	Jigging Plant-II	74.1	68.1	73.3	66.3	73.7	67.2
19	Furnace Control Room	70.4	65.4	71.9	62.9	71.15	64.15
20	Administrative Building (Sever Room)	54.4	51.3	56.8	48.6	55.6	49.95
21	Conference Room	49.1	46.2	51.7	47.1	50.4	46.65
22	Civil Room(Procurement)	55.3	51.5	52.6	50.3	53.95	50.9
Ambient air Quality Standards in respect of Noise for Industrial Area						**75**	**70**
Note: No deviation from the AAQ standard in respect of Noise is observed and the values are with in the standard prescribed.							

Verified By

Approved By

Annexure-6

T S ALLOYS LIMITED

Letter No: TSAL/SHE-20/LE-46/2017
Date: 26/05/2017

To

The Chief Conservator of Forests
Ministry of Environment & Forests
Regional Office (EZ), A/3, Chandrasekharpur,
Bhubaneshwar – 751 023

Sub: Submission of approved copy of On-site Emergency Plan

Sir,

We are enclosing herewith please find Onsite Emergency Plan of our Company T S Alloys Limited located at Vill – Anantapur, Po-Dhurusia, Athagarh, Dist – Cuttack, Odisha.

Kindly acknowledge the receipt.

Thanking you.
Yours Faithfully,
For T S Alloys Limited

Tapas Ranjan Sahoo
Safety & Environment

Enclosed: Onsite Emergency Plan

GOVT OF INDIA
MoEF & CC, Eastern R.O
Bhubaneswar-751023
29 MAY 2017
RECEIVED

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(A 100% subsidiary of **TATA** STEEL LIMITED)
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