



The Additional DG of Forests (Central)
Eastern Regional Office
Ministry of Environment, Forests & Climate Change
Government of India
A/3, Chandrasekharpur,
Bhubaneswar – 751 023, Odisha

TSK/Env/C-05/ 15 /2026-27
20 May' 2026

Dear Sir,

Sub.: Six Monthly Compliance Report for Oct'25 to Mar'26 for Environmental Clearances of Integrated Steel Plant, Tata Steel at Kalinganagar Industrial Complex, Duburi, Dist. Jajpur, Odisha.

Ref.: 1. MoEF&CC EC Letter No. J-11011/7/2006-IA-II(I) dated 7.11.2006 and successive amendments on 10.10.12, 13.05.15 and 20.12.2016.
2. MOEF &CC EC letter No. J-11011/7/2006-IA-II(I) dated 24.12.2020
3. MOEF &CC EC letter No. J-11011/7/2006-IA-II(I) dated 13.09.2024

Kindly find enclosed Six-Monthly Compliance Report for the period from Oct'25 to Mar'26 for the conditions stipulated in Environmental Clearance including amendments granted in EC to 6.0 MTPA and for Environmental clearance granted for expansion from 6 to 8 MTPA Crude Steel and 9 MTPA Finished Steel of Integrated Steel Plant, Tata Steel Kalinganagar for your kind considerations.

We trust the information furnished is in line with your requirement.

Thanking you,

Yours faithfully,

Raju Agrawal
Head, Environment, TSK

Encl. a/a

Copy to MS, OSPCB, Bhubaneswar / CPCB Kolkata /RO OSPCB Kalinganagar

TATA STEEL KALINGANAGAR

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Six Monthly Environment Compliance Report
Oct'25 to Mar'26
For
Integrated Steel Plant Project of Tata Steel
At
Duburi, Dist. Jajpur, Odisha



Environment Department
Tata Steel Limited
Kalinganagar Industrial Complex
Duburi- 755026
Dist Jajpur, Odisha

Six Monthly Compliance Status (Oct'25 to Mar'26) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur; 7th Nov 2006, 10th Oct 2012, 13th May 2015 and 20th Dec 2016

A	Specific Conditions as per EC dated 7.11.2006	Status as on 31.03.2026
i)	<p>The gaseous emissions from various process units shall conform to the load/mass-based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The state Boards may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. On-line continuous monitoring system shall be installed in stacks to monitor SPM and interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit. NOx burners shall be installed to control NOx levels. VOCs from the coke oven shall be monitored and controlled as per CPCB guidelines. The new standards prescribed by the CPCB for coke oven plants shall be strictly followed.</p>	<ul style="list-style-type: none"> • All the process units, including the Coke Plant (CP), Sinter Plant (SP), Blast Furnace (BF), Steel Melting Shop (SMS), Hot Strip Mill (HSM), Cold Rolling Mill (CRM), and Pellet Plant (PP), have been designed to conform to the load/mass standards notified by the Ministry to have the gaseous emissions under control and below the prescribed limits. • Online Continuous Stack Monitoring Systems have been installed at the stacks of CPP Boiler-1, 2, and 3; Coke Plant Battery 1, 2, 3 (A&B); Sinter Plant; Pellet Plant; Blast Furnace 1 and 2; SMS-1 and 2; LCP; CRM-PLTCM, CAL, CGL-1&2; and HSM to monitor Particulate Matter (PM), Sulfur Oxides (SOx), and Nitrogen Oxides (NOx) in process stacks. • The units are in operation and emission levels were found within prescribed norms. • Low NOx burners are installed at CPP (8 Nos for each boiler in all three boilers) and in HSM reheating furnace (84 Nos in each reheating furnace). • VOC from coke plant is controlled by On-main charging by HPLA, Hydraulic doors, Door sealing, Door frame cleaner, etc. as per CPCB guidelines and the systems for all the Battery No. 1, Battery -2 and Battery 3 (A&B) are in operations. • The new standards prescribed by the Central Pollution Control Board (CPCB) as of 31 March 2012 for coke ovens are being followed.
ii.	<p>In-plant control measures for checking fugitive emissions from all the vulnerable sources like coke oven area, Sinter Plant, BF case house, BF stock house, and BOF shop etc. shall be provided. Further, specific measures like water sprinkling and dry fogging (DF) shall be carried out at the stockpiles of raw materials, stacker reclaimer, conveyor transfer points and vibrating screens etc. Dust extraction system and bag filter shall be provided for room air cleaning such as sinter plant stock house, BF stock house and BF cast house, BOF shop and Ferro-alloys handling area in steel melting shop etc. Fume extraction system in steel refining units shall also</p>	<ul style="list-style-type: none"> • In-plant control measures, such as Dust Extraction Systems (DES), Dust Suppression Systems (DSS), and Dry Fog Dust Suppression Systems (DFDSS) are being provided to control fugitive emissions from vulnerable sources like the Coke Oven area, Sinter Plant, Blast Furnace (BF) Cast House, BF Stock House, and Basic Oxygen Furnace (BOF) shop etc. • Further specific measures like water sprinkling arrangement, tarpaulin covering etc. at stockpiles of raw material handling unit have been provided. • To control fugitive dust from conveyor, transfer points and vibrating screens DE, DSS and DFDS are provided at these locations.

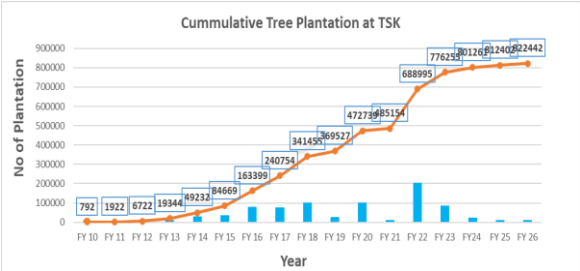
Six Monthly Compliance Status (Oct'25 to Mar'26) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur; 7th Nov 2006, 10th Oct 2012, 13th May 2015 and 20th Dec 2016

A	Specific Conditions as per EC dated 7.11.2006	Status as on 31.03.2026
	<p>be provided. Centralized de-dusting system i.e. collection of fugitive emissions through suction hood and subsequent treatment through bag filter or any other device and finally emitted through a stack of appropriately designed and height conforming to the standards for induction furnaces in the industry shall be provided. Fugitive emissions shall be controlled, regularly monitored and records maintained.</p>	<ul style="list-style-type: none"> • Dust extraction system followed by De-dusting ESP has been provided at Sinter Plant. At Cast House and Stock House of Blast Furnace, separate dust extraction systems followed by ESPs have been provided. In SMS, secondary de-dusting unit (Cyclone separator followed by ESP) has been provided. Fume extraction system in steel refining units has been provided. All the stacks have been designed and installed to meet the requirement of stack heights as per guidelines, for proper dispersion and dilution of pollutants. • Mechanized road sweeping machines have been deployed for regular road sweeping. • Speed limits are enforced for movement of vehicles at the site as per the factory limits. • Roads (about 55 km) within the plant site are metaled/ concreted. • Certain areas in plants are paved/ contorted. <p>Water sprinkling on roads is being done through truck mounted water tankers (4-6 nos as per requirement) and fixed water sprinklers are installed to suppress road dust due to vehicular movements.</p>
iii.	<p>ESP shall be provided to Sinter Plant and Blast Furnace. New standards prescribed by the CPCB for coke oven shall be strictly followed. The Company shall install Waste Heat Recovery Boilers (WHRB) to recover the waste heat and generate power from the steam produces by the WHRB. The particulate emissions from the WHRB shall be controlled by installation of ESP as per CPCB specification and particulate emissions shall not exceed 50mg/Nm³. Further, the company shall install Bag filter, After Burner Chamber (ABC), suction hood, dust extraction device and fume extraction system to control gaseous emissions from the WHRB.</p>	<ul style="list-style-type: none"> • Higher efficiency ESPs have been provided at Sinter plant, Blast Furnace and SMS. • Coke Oven plant is designed to comply with new standards prescribed by CPCB for Coke Oven. • Waste Heat Recovery Boilers (WHRB) have been installed to recover waste heat which in turn used for in-house power generation from the steam produces by WHRB. • Pollution Control Systems have been designed as per CPCB guidelines to control PM emissions well below 50 mg/Nm³ and 30 mg/Nm³. • Coke Dry Quenching (CDQ) Systems are provided with bag filters, and these are in operation.
iv.	<p>Total requirement of the water from Brahmani /Kharsua river shall not exceed 26.5 MGD. No ground water shall be drawn and used for the plant. The effluent quantity into the industrial drain leading to the Gonda Nalla shall not exceed 92m³/hr and shall conform to</p>	<ul style="list-style-type: none"> • Make up water requirement for the plant is around 12 - 16 MGD which is well below < 26.5 MGD. Present fresh makeup water consumption is around 13.13 MGD. • Ammonia, Phenol and Cyanide in the effluent from Coke Oven plant is treated separately in BOD plant of Coke Plant. The

Six Monthly Compliance Status (Oct'25 to Mar'26) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur; 7th Nov 2006, 10th Oct 2012, 13th May 2015 and 20th Dec 2016

A	Specific Conditions as per EC dated 7.11.2006	Status as on 31.03.2026
	the prescribed standards. Ammonia, phenol and cyanide in the effluent should be treated separately and discharged only after meeting the norms prescribed by the OSPCB/CPCB/Ministry under E(P) Act. Cyanide shall meet the standard of 0.2 ppm. TDS in the effluent discharged shall not be more than 2,100 mg/l. The domestic wastewater after treatment in STP shall be used for green belt development.	<p>BOD plant is in operation and the parameters such as Ammonia, Phenol, Cyanide and TSS of treated wastewater is well within prescribed limits.</p> <ul style="list-style-type: none"> • STP having capacity 60 m³/hr is in operation for treatment of domestic wastewater. Treated water from STP is being utilized for green belt development. • No groundwater is used for plant operations.
v.	Ground water monitoring around the solid waste disposal site/secured landfill (SLF) shall be carried out regularly and report submitted to the Ministry's Regional Office at Bhubaneswar, CPCB and OPCB.	<ul style="list-style-type: none"> • Ground water levels are monitored, and variations are negligible. • Ground water quality is within the permissible limit. Ground water monitoring report enclosed as <i>Annexure 1</i>.
vi.	BF slag shall be sold to the cement manufacturers after granulation. Non-granulated BF slag shall be used in road making. BOF slag shall not be dumped anywhere except used for making cement and road etc. proposed in EIA/EMP. Ammonia and tar shall be recovered and remaining solid waste shall be burnt. Gas cleaning plant sludge and mill scales shall be reused in the sinter plant. Char generated shall be used in FBC boiler. The kiln accretions shall be utilized for filling low lying areas. The entire quantity of fly ash generated during the process shall be utilized for making brick. ESP fly ash shall be made available to the cement plants and brick making plants whereas bottom ash shall be disposed off in a suitably designed landfill as per CPCB guidelines to prevent leaching to the sub-soil and underground aquifer.	<ul style="list-style-type: none"> • BF slag is sold to cement manufacturers after online slag granulation process (RASA). Majority of BF slag is transported by rail. • Non-granulated BF & BOF slag is used for road making. • BOF Slag is processed in Metal Recovery Plant and metallic portion is recovered and reused. Some portion of Non-metallic slag is also used in sinter plant and remaining portion is used in road making, etc. in construction sites. • In COBPP, Tar and Sulphur are recovered as by-products and are sold. • Gas cleaning plant sludge and Mill scales are utilized in Sinter plant. • Mill scale from Mills is utilized in Sinter plant. • CPP Boilers are gas-based boilers, hence there is no char generation. As no coal is burned, there is no generation of fly ash & bottom ash.
vii.	The company shall develop surface water harvesting structures to harvest the rainwater for utilization in the lean season besides recharging the ground water table.	<ul style="list-style-type: none"> • Surface run-off during the monsoon is collected and stored in the reservoirs constructed under rainwater harvesting schemes. • Storm water pond with necessary pumping arrangements have been made to recover storm water in raw water system.
viii.	Green belt shall be developed in at least 33% area within and around the plant premises as per the CPCB guidelines in consultation with DFO.	Green Belt is actively developed both within and around the project site, as well as outside the plant premises, including rehabilitation colonies. 33% of the plant area has been successfully developed into a

Six Monthly Compliance Status (Oct'25 to Mar'26) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur; 7th Nov 2006, 10th Oct 2012, 13th May 2015 and 20th Dec 2016

A	Specific Conditions as per EC dated 7.11.2006	Status as on 31.03.2026
		<p>Green Belt. Green development has been certified by the DFO Cuttack.</p>  <ul style="list-style-type: none"> • Till Mar'26 about 416.5 ha area is under greenery. Survival rate is now achieved by about 90%. • Avenue plantation was done at Jajpur town, Kalinganagar and Bhubaneswar.
ix.	Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act.	<ul style="list-style-type: none"> • Initial & Periodic medical check-ups for workers are carried out and records for the same are maintained as per the Factories Act. • From Apr'25 to Mar'26, 4067 Nos. of Pre/Periodic-Medical Examination of employees has been conducted. • To strengthen the Occupational Health Surveillance, a system has been made, in which employee's Gate Pass is issued only after ensuring the initial medical check-up. • A well-established Occupation Health Centre with qualified doctors and para-medical staff is being engaged for surveillance and data analysis. • Life-style related deficiencies are observed which are treated and followed up with individuals. No occupational related diseases are observed till date.
x.	Recommendations made in the CREP guidelines issued for the steel plants shall be implemented.	<ul style="list-style-type: none"> • CREP recommendations are being implemented and summarized below: <ol style="list-style-type: none"> 1. Coke Ovens: Fugitive emissions control system is in place. All the batteries are new one and having coal stamping, charging cum pushing (SCP) machines. 2. SMS: Secondary fume extraction system has been installed. 3. BF: Pulverized Coal injection facilities have been installed in Blast Furnace. TRT, Tar Free Runners, DE system at Cast House, Dry GCP at BF-2 etc. are also provided. 4. Specific water consumption is less than 4 m³/t of flat product. 5. Online monitoring facilities have been provided for continuous monitoring.

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A	Specific Conditions as per EC dated 7.11.2006	Status as on 31.03.2026
		6. Waste management systems are in place.
xi.	Rehabilitation and Resettlement plan shall be implemented as per the revised R&R policy and in collaboration with the State Government in a time bound manner and report submitted to the Ministry, it's Regional Office at Bhubaneshwar and OPCB.	<ul style="list-style-type: none"> • All 1234 Families have been rehabilitated within the framework of "Tata Steel Parivaar" concept as per R & R policy of Odisha Government in consultation with the local administration. A dedicated team facilitates resettlement & rehabilitation effectively.
xii.	The environmental clearance for the mining project and forest clearance for the forest land involved in the mining project shall be obtained from the Ministry prior to operation of the integrated Steel Plant. In case, environmental clearance for the mining proposal from State Govt/Govt. of India is not available, Ministry shall be regularly informed about the source of ore and coal.	<ul style="list-style-type: none"> • The matter is being pursued with State and Central Government. • Coal is being imported. • Source of iron ore is mainly from the mines of Tata Steel in Odisha.

B.	General Conditions as per EC dated 7.11.2006	Status as on 31.03.2026
i.	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OPCB) and the State Government	<ul style="list-style-type: none"> • During project execution and subsequent operation phases, TSK has strictly adhered to stipulation made by OSPCB and the State Government.
ii.	No further expansion or modification in the plant should be carried out without prior approval of the Ministry of Environment and Forests.	<ul style="list-style-type: none"> • Amendments in Environmental Clearance were granted by MoEF&CC on 10.10.2012 and on 13.05.2015 vide letters no. J-11011/7/2006-IA. II. (I). • Environmental Clearance for Expansion of Integrated Steel Plant from 6 to 8 MTPA Crude Steel and 9 MTPA Finished Steel by M/s. Tata Steel Limited has been obtained from MoEF&CC vide letter No. J-11011/7/2006-IA. II. (I).dtd, 24.12.2020. • Subsequent amendments in Environmental Clearance were granted by MoEF&CC on 13.09.2024 for Replacement of Multi Strand Billet Caster by Twin Strand Slab Caster of Integrated Steel Plant.
iii.	At least four ambient air quality-monitoring stations should be established in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NO _x are anticipated in consultation with the OPCB. Data on ambient air quality and stack emission should be regularly submitted to this	<ul style="list-style-type: none"> • Ambient Air quality monitoring Stations (7 nos.) are established. • Data on Ambient Air Quality and Stack emissions are submitted regularly on monthly basis to OSPCB and Half yearly basis to MoEF&CC. • Data of Online Continuous Ambient Air Quality Monitoring Stations (CAAQMS) as

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B.	General Conditions as per EC dated 7.11.2006	Status as on 31.03.2026
	Ministry including its Regional Office at Bhopal and the OPCB/CPCB once in six months.	<p>well as Continuous Emission Monitoring Systems (CEMS) of Stacks are also being transmitted to the server of OSPCB through Real Time Data Acquisition System (RTDAS).</p> <ul style="list-style-type: none"> • Remote calibration check has been done by CPCB.
iv.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 dated 19 th May, 1993 and 31 st December 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	<ul style="list-style-type: none"> • For Treatment of Industrial wastewater and its recovery & reuse, individual units like Coke Plant, HSM, SMS, BF and CRM etc. have individual Wastewater Treatment units and all are in operation. • Excess treated water from individual treatment plant is sent to Central Effluent Treatment Plant (CETP). CETP is in operation with tertiary treatment. Treated water from CETP is used in process, dust suppression & other uses including plantation purpose.
v.	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).	<ul style="list-style-type: none"> • Low noise prone rotary equipment and vibration dampening has been one of the design aspects as a control measure for noise pollution. • Provision of acoustic hoods, silencers in steam ejectors as well as soundproof enclosures have also been made at various internal sites. • Ambient noise levels are well within the prescribed limits.
vi.	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 programs, educational programs, drinking water supply and health care etc.	<ul style="list-style-type: none"> • Environmental protection measures as proposed in the EIA and EMP report are being implemented. • Various socio-economic development activities for Health, Women Empowerment, Education, Sports & culture, Infrastructure development etc. are on-going in 28 villages surrounding the project site. 5 medical mobile units have been added for immediate treatment to the local people. • Multi-specialty, 100 bedded hospitals (Medica TS) is functional. It is very close to the plant site for facilitating health service to the community.
vii.	The project authorities shall utilize Rs. 1,525.00 Crores earmarked for the environmental pollution control measures judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the	<ul style="list-style-type: none"> • Funds earmarked for the environmental pollution control measures are not diverted and are being utilized only for the said purpose. • Till date Rs. 3326.34 Crs. have been spent on Environmental measures to comply with the stipulated conditions.

Six Monthly Compliance Status (Oct'25 to Mar'26) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur; 7th Nov 2006, 10th Oct 2012, 13th May 2015 and 20th Dec 2016

B.	General Conditions as per EC dated 7.11.2006	Status as on 31.03.2026									
	implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.										
viii.	The Regional Office of this Ministry at Bhopal/CPCB/OPCB will monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	<ul style="list-style-type: none"> • Six monthly compliance reports are being submitted regularly. • Last Report Submitted on 28.11.2025. 									
ix.	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 OPCB/Committee and may also be seen at Website of the Ministry of Environmental 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 shall be forwarded to the Regional office.	<ul style="list-style-type: none"> • Complied. • Newspaper advertisement details: - <table border="1"> <thead> <tr> <th><u>Newspaper</u></th> <th><u>Language</u></th> <th><u>Date</u></th> </tr> </thead> <tbody> <tr> <td>New Indian Express</td> <td>English</td> <td>13.06.06</td> </tr> <tr> <td>Sambad</td> <td>Odia</td> <td>13.06.06</td> </tr> </tbody> </table>	<u>Newspaper</u>	<u>Language</u>	<u>Date</u>	New Indian Express	English	13.06.06	Sambad	Odia	13.06.06
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New Indian Express	English	13.06.06									
Sambad	Odia	13.06.06									
X	Project authorities should inform 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.	We have informed the Regional Office and the Ministry of the financial closure date, final project approval, and the commencement date of land development work as required by Environmental Clearance conditions.									

	Additional Conditions vide letter dated 10.10.2012	Status as on 31.03.2026
i)	The company shall install low NOx burners to mitigate NOx emissions from captive power plant.	There are three boilers installed in the gas-based captive power plant. Each boiler is equipped with eight (08) low-NOx burners, designed to effectively control and reduce nitrogen oxide (NOx) emissions during operation. The installation and operation of these low-NOx burners ensure mitigation of NOx emissions in line with the stipulated EC condition.
ii)	Data on ambient air, stack and fugitive emission shall be regularly submitted online to Ministry's Regional Office at Bhubaneswar and Central Pollution Control Board as well as hard copy once in six months and display data on PM10, SO2 and NOx outside the premises at the appropriate place for the general public.	<ul style="list-style-type: none"> • Six Monthly compliance reports are sent in soft copies to MoEF&CC/ OSPCB. The same is uploaded in PARIVESH portal and also available at company web site. • AAQ data is displayed at the entrance of the Plant (Plant Main Gate) for information to public through Electronic Display Board.

Six Monthly Compliance Status (Oct'25 to Mar'26) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur; 7th Nov 2006, 10th Oct 2012, 13th May 2015 and 20th Dec 2016

	Additional Conditions vide letter dated 10.10.2012	Status as on 31.03.2026
		<ul style="list-style-type: none"> • Seven nos. of CAAQMS (Four Nos. inside and Three Nos. outside plant premises) are in operation. • For monitoring of stack emissions, Online Continuous Emission Monitoring Systems have been installed at all the operating units' viz. Coke Oven Battery#1, Battery #2, Battery #3 (A&B), CPP, SP, BF1 & 2, SMS-1&2, LCP, HSM, Pellet Plant and CRM all are in operation and online data transmitting to OSPCB and CPCB server on real-time basis.
iii)	The National Ambient Air Quality Standard issued by the Ministry vide GSR No. 826(E) dated 16th November 2009 shall be followed.	Air Quality standards conforming to NAAQS vide GSR 826 (E) has been referred for air quality monitoring and review.
iv)	The project proponent shall also submit six monthly reports on the status of the compliances of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. The Regional Office of the Ministry at Bhubaneswar/CPCB/SPCB shall monitor the stipulated conditions.	<ul style="list-style-type: none"> • We are submitting the six-monthly compliance report in stipulated time. • Last Six-monthly compliance reports for the period Apr'25 to Sep'25 was submitted to MoEF&CC/ OSPCB Regional Office in soft copy on 28.11.2025. • Soft copy of the half yearly progress report was also being submitted to roe.z.bsr-mef@nic.in.
v)	The environmental statement for each financial year ending 31 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 compliances of environmental conditions and shall also be sent to the respective Regional Offices of the MoEF by e-mail.	<ul style="list-style-type: none"> • Environment Statement for FY 2024-25 was submitted to OSPCB on 25.09.2025. Both, Environment Statement and Status of Compliance of EC conditions have been uploaded on company's website https://www.tatasteel.com/corporate/our-organisation/environment/environment-compliance-reports/
vi)	The company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/ procedure to being into focus any infringement/ deviation/ violation of the environmental or forests norms/ conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliances to the environmental clearances conditions and (iii) system of reporting of noncompliance/	<ul style="list-style-type: none"> • Corporate Environmental Policy was submitted to MoEF&CC, New Delhi vide our letter no. TSL/DEL/805/2013 dated 08.01.2013. • Copy of the same was also submitted to MoEF&CC, Bhubaneswar Office.

Six Monthly Compliance Status (Oct'25 to Mar'26) of Environmental Clearance including Amendment in EC for 6.0 MTPA Integrated Steel Plant at Kalinganagar, Duburi, District-Jajpur; 7th Nov 2006, 10th Oct 2012, 13th May 2015 and 20th Dec 2016

	Additional Conditions vide letter dated 10.10.2012	Status as on 31.03.2026
	violation of environmental norms to the Board of Directors of the Company and/or shareholders.	

	Additional Safeguards vide letter dated 13.5.2015	Compliance status as on 31.03.2026
2i	Project proponent should install 24x7 air and water monitoring devices to monitor the air emission and effluent discharge, as provided by Central Pollution Control Board (CPCB) and submit the report to Ministry and its Regional office	<ul style="list-style-type: none"> • To monitor the ambient air quality, 7 nos. of continuous ambient air quality monitoring station (CAAQMS) have been installed and are in operation. • Continuous Emission Monitoring System (CEMS) have been installed at all the major stacks such as Coke Plant, Captive Power Plant, Sinter Plant, Blast Furnace, Steel Melting Shop, Lime Calcination Plant, Hot Strip Mill and CRM. • Online Water quality monitoring stations installed at the BOD plant of Coke Oven Unit and its real time data transmitted to CPCB and OSPCB.
2ii	For Wet quenching: permission to start the coke ovens with wet quenching till CDQ is stabilized by June 2016, thereafter, maintain wet quenching as a standby and use for 20 days (3 weeks) in a year or per annum for maintenance or operation exigencies	<ul style="list-style-type: none"> • The CDQ (Coke Dry Quenching) are operational. • The wet quenching system is maintained as a standby.
2iii	For LDO: Use of LDO for generation of power in power plants and DG set till Blast Furnace gas is available for power generation in power plants and there after maintain LDO as "Standby" and use for 15 days (two weeks) per annum for maintenance or operational exigencies.	<ul style="list-style-type: none"> • BF Gas generated is used for power generation in Captive Power Plant. • LDO is being maintained as standby fuel. • DG sets are operated only in case of exigencies.
	Additional Conditions vide letter dated 20.12.2016	Compliance status as on 31.03.2026
7.i	For Wet quenching: permission to start the coke ovens with wet quenching till the CDQ is stabilized by November 2016, thereafter, maintain wet quenching as a standby and use for 20 days (3 weeks) in a year or per annum for maintenance or operational exigencies.	<ul style="list-style-type: none"> • CDQ units for Coke Oven are in operation. • Wet quenching system is maintained as standby

Six Monthly Compliance Status (Oct'25 to Mar'26) of Environmental Clearance for expansion of Integrated Steel Plant from 6 MTPA to 8 MTPA Crude Steel and 9 MTPA Finished Steel by Tata Steel Ltd at Kalinganagar Industrial Complex, Jajpur, Odisha, EC Expansion dated 24.12.2020 and Amendment dated 13.09.2024

Six Monthly Compliance Status of Environmental Clearance for Expansion of Integrated Steel Plant from 6 MTPA to 8 MTPA Crude Steel and 9 MTPA Finished Steel and Amendment in EC for Replacement of Multi Strand Billet Caster by Twin Strand Slab Caster by Tata Steel Ltd.

At

Kalinganagar Industrial Complex, Jajpur Odisha

(Oct'25 to Mar'26)

Six Monthly Compliance Status (Oct'25 to Mar'26) of Environmental Clearance for expansion of Integrated Steel Plant from 6 MTPA to 8 MTPA Crude Steel and 9 MTPA Finished Steel by Tata Steel Ltd at Kalinganagar Industrial Complex, Jajpur, Odisha, EC Expansion dated 24.12.2020 and Amendment dated 13.09.2024

A.	Specific Conditions as per EC dated 24.12.2020	Compliance status as on 31.03.2026
i	Green belt shall be developed in 33 % of the plant area in first two years and maintained later for gap fillings, casualty replacements and ensuring survival.	<ul style="list-style-type: none"> • Green Belt cover is being continuously developed within and around the project site. Till Mar'26, 416.5 ha of land is under green cover which is 33 % of total plant area. • Qualified/trained staff are engaged to maintain the plantation and ensure survival.
ii	Biodiversity Park being developed shall have a section on Species that control air pollution. It will also have a section of locally rare and endangered species	<ul style="list-style-type: none"> • Land of 5 Acres for Bio-diversity Park is identified, and design is being finalized. • Necessary elements will be ensured in the park.
iii	Plant shall be ZLD. Reverse Osmosis and Multiple Effect Evaporator (MEE) shall be provided for Coke Oven effluent treatment.	<ul style="list-style-type: none"> • The unit has achieved Zero Effluent Discharge (ZED). The commissioning of the Reverse Osmosis and Multiple Effect Evaporator (MEE) systems for treating Coke Oven effluent is in advanced stage.
iv	Pollution control systems and equipment shall be upgraded/ designed to achieve less than 30 mg/Nm ³ particulate matter. In existing systems, the bags under scheduled replacement cycle shall be replaced with PTFE bags.	<ul style="list-style-type: none"> • The Pollution control systems have been successfully designed to consistently achieve particulate matter emissions below 30 mg/Nm³. • Additionally, in existing systems, filter bags are being replaced with PTFE coated bags according to the scheduled replacement cycle to maintain this standard.
v	PP shall minimize and control Dioxins/Furan emissions from sinter plants, charging and pushing emissions from Coke Ovens and mercury emissions from power plants. Dioxins and furans shall be monitored half yearly. Monitoring reports shall be submitted regularly to RO.	<ul style="list-style-type: none"> • To minimize and control dioxin/furan emissions from sinter plants and charging and pushing emissions from coke ovens, active control measures are implemented. • Our gas-fired power plant eliminates mercury emissions as a concern. • Dioxins and furans are monitored semi-annually, and monitoring reports are submitted regularly to the Regional Office (RO) to ensure compliance.
vi	Adequate space shall be kept vacant for installation of dioxin control in future	Space has been allocated and is currently kept vacant to accommodate the future installation of dioxin control systems.
vii	The data acquired through CEMS, shall be used for control of processes to control the stack emissions. This should include the MIS for closing the non-conformity loop.	The data from the Continuous Emission Monitoring System (CEMS) is actively used to control processes and manage stack emissions, and it is integrated into the Management Information System (MIS) to address and resolve non-conformities.
viii	SMS Slag shall be used as soil conditioner in watershed management area to supplement micronutrients.	Studies being conducted on utilizing SMS slag as a soil conditioner.
ix	PP shall recover and recycle unburnt carbon from BF flue dust and GCP sludge	The unburnt carbon from BF flue dust and GCP sludge is fully reused in the sintering process.

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x	PP shall use steam and CO2 to age and fix the SMS slag for use as concrete for road making	<ul style="list-style-type: none"> The SMS (Steel Melting Shop) slag is being stabilized using the operational open steam aging method. Weathered slag is being used for road construction.
xi	100 percent waste utilization shall be ensured. PP shall install a state-of-the-art Waste Recycling Plant (WRP) to process various types of slags and wastes generated in the plant to recover and recycle metallic, fluxes, aggregates and boulders	<ul style="list-style-type: none"> Currently, we ensure ~ 100% utilization of waste to meet compliance requirements. A state-of-the-art Metal Recovery Plant (MRP) is in operation to process various slags and wastes generated in the plant, facilitating the recovery and recycling of metallics, fluxes, aggregates, and boulders.
xii	PP Shall use ultra-low NOx burner with three stages, combustion, flue gas recirculation and auto combustion control system in the new plant	Low-NOx burners have been installed at the CPP, with eight units for each of the three boilers, and in the HSM reheating furnace, with a total of 84 Nos in each reheating furnace.
xiii	Specific water consumption post expansion shall not exceed 4 m ³ per ton of crude steel and specific power consumption shall be less than 620 kwh per ton of crude steel as committed in the reply to ADS points	Measures have been successfully implemented to optimize Water and Power consumption, maintaining levels at or below 4 m ³ /tcs for water and 620 kWh/tcs for Power.
B	General conditions as per EC dated 24.12.2020	Compliance status as on 31.03.2026
I	Statutory compliance:	
i	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/ Subordinate legislations, etc., as may be applicable to the project	<ul style="list-style-type: none"> The project complies with the Environment Clearance (EC) as per the provisions of the EIA Notification, 2006, and its amendments. Consent to Establish for 'expansion of integrated steel plant for production of crude steel capacity from 6 MTPA to 8 MTPA and production of finished steel of capacity 9 MTPA' was granted by OSPCB vide letter No. 2249 Ltd 15.02.2021.
II	Air quality monitoring and preservation	Compliance status as on 31.03.2026
ii	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories	<ul style="list-style-type: none"> The project is following the Environment Clearance (EC) requirements by ensuring that seven Continuous Ambient Air Quality Monitoring Stations (CAAQMS) are operational. Continuous Emission Monitoring Systems (CEMS) are installed at operating stacks at Coke Plant, Sinter Plant, Blast Furnace, Steel Melting Shop, Hot Strip Mill, Cold Rolling Mill, and Pellet Plant. Both the CEMS and CAAQMS are connected to the online servers of the Odisha State Pollution Control Board (OSPCB) and the Central Pollution Control Board (CPCB), and regular calibration is

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		conducted to ensure accuracy and reliability.
ii	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories	Fugitive emissions within the plant premises are being monitored monthly by NABL-accredited laboratories, with reports submitted to the OSPCB.
iii	The cameras shall be installed at suitable locations for 24X7 recording of battery emissions on the both sides of coke oven batteries and videos shall be preserved for at least one-month recordings.	Cameras have been installed at suitable locations for 24/7 recording of battery emissions on both sides of the coke oven batteries, with video recordings preserved for at least one month.
iv	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.	Sampling facilities have been provided at all process stacks, including the Coke Plant, Sinter Plant, Blast Furnace, Steel Melting Shop, Hot Strip Mill, Cold Rolling Mill, and Pellet Plant, to enable manual monitoring of emissions.
v	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards	<ul style="list-style-type: none"> • Air pollution control equipment has been installed at all dust generating points to keep emissions below prescribed norms. Dust Extraction, Dust Suppression Systems, and Dry Fog Dust Suppression systems are in place at conveyors, transfer points, and vibrating screens to manage fugitive dust. • Dust extraction system with De-dusting Electrostatic Precipitator has been set up at the Sinter Plant. • Separate dust extraction systems with ESPs are operational at the Blast Furnace's Cast House and Stock House. • In the Steel Melting Shop, a secondary de-dusting unit, consisting of a cyclone separator followed by an ESP, is installed along with a fume extraction system in the steel refining units
vi	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags	Leakage detection and mechanized bag cleaning facilities have been provided for better maintenance of bags.
vii	Secondary emission control system shall be provided at SMS Converters.	The secondary emission control system has been installed at the SMS Converters in compliance with the requirement.
viii	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly	Mechanized mobile and stationary vacuum cleaners are actively deployed for regular cleaning of plant roads, shop floors, and roofs, ensuring compliance.
ix	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration	All fines, including coal, iron ore, lime fines, and coke fines collected through pollution control devices, are effectively recycled and reused in the process.

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x	The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin	Leak-proof trucks and dumpers with tarpaulin covers are utilized for transporting raw materials, ensuring compliance with environmental and safety regulations.
xi	Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility).	Facilities for spillage collection, such as chain conveyors and land-based industrial vacuum cleaning systems, are in place on the wharf of coke oven batteries.
xii	Land-based APC system shall be installed to control coke pushing emissions.	Land-based Air Pollution Control (APC) systems are installed and operational to control coke pushing emissions effectively at the coke plant.
xiii	Monitor CO, HC and O2 in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.	Online monitoring systems are installed and operational to continuously measure CO, HC, and O ₂ levels in the flue gases of the coke oven batteries. This system enhances the detection of combustion efficiency and identifies any cross leakages within the combustion chambers.
xiv	Vapour absorption system shall be provided in place of Vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.	Low Pressure Ammonia Liquor Aspiration (LPLA) is in place for cooling coke oven gas in our recovery type coke oven.
xv	In case concentrated ammonia liquor is incinerated, adopt high temperature incineration to destroy Dioxins and Furans. Suitable NOx control facility shall be provided to meet the prescribed standards.	We do not employ incineration technology; instead, we use a Claus kiln end reactor to convert ammonia into nitrogen and hydrogen, while also recovering elemental sulfur.
xvi	The coke oven gas shall be subjected to desulphurization if the Sulphur content in the coal exceeds 1%.	Desulphurization of coke oven gas is implemented, and the resultant pellets are recovered and sold as a by-product.
xvii	Wind shelter fence and chemical spraying shall be provided on the raw material stockpiles.	Suitable system is being studied and designed and shall be provided.
xviii	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	The ventilation system has been implemented, ensuring compliance with prevailing norms for adequate air changes in all tunnels, motor houses, and oil cellars.
xix	The project proponent shall install Dry Gas Cleaning Plant with bag filter for Blast Furnace and SMS converter.	The Dry Gas Cleaning Plant with bag filter has been operational for Blast Furnace-2 and SMS converter.
xx	Dry quenching (CDQ) system shall be installed along with power generation facility from waste heat recovery from hot coke	Coke Dry Quenching (CDQ) system has been installed along with a power generation facility for waste heat recovery from hot coke are in operation.
III.	<i>Water quality monitoring and preservation</i>	
i	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012	<ul style="list-style-type: none"> The Continuous Effluent Monitoring System (CEQMS) has been successfully installed at the Effluent Treatment Plants (ETPs) of the BOD plant and the outlet of the CRM ETP.

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	(Integrated iron & Steel); G.S.R 414 (E) dated 30th May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	<ul style="list-style-type: none"> Uninterrupted online data transmission to the Central Pollution Control Board (CPCB) and the Odisha State Pollution Control Board (OSPCB) is ongoing.
ii	The project proponent shall monitor regularly ground water quality at least twice a year (pre-and post- monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	<ul style="list-style-type: none"> Groundwater quality is regularly monitored. Six-monthly compliance reports are consistently submitted, with the most recent report submitted on 28 Nov, 2025.
iii	The project proponent shall provide the ETP for coke oven and by-product to meet the standards prescribed in G.S.R 277 (E) dated 31st March 2012 (Integrated iron & Steel); G.S.R 414 (E) dated 30th May 2008 (Sponge Iron) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time as amended from time to time;	The Effluent Treatment Plant for the Coke Ovens and by-products is in operation.
iv	Adhere to 'Zero Liquid Discharge'	Zero Effluent Discharge (ZED) has been successfully maintained.
v	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards	The Sewage Treatment Plant with a capacity of 60 m ³ /hr is operational and treating domestic wastewater to meet the prescribed standards.
vi	Garland drains and collection pits shall be provided for each stockpile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface runoff.	Toe walls and garland drains have been installed at the RMHS Ore & Flux yard to effectively manage runoff during heavy rainfall and prevent water pollution from surface runoff.
vii	Tyre washing facilities shall be provided at the entrance of the plant gates.	Five tyre washing facilities are fully operational at designated locations: the Ore & Flux yard, MRP area near the entrance of the plant gates, inside the Transport Park, and at the SMS filter press area.
viii	CO ₂ injection shall be provided in GCP of SMS to reduce pH in circulating water to ensure optimal recycling of treated water for converter gas cleaning	We are exploring the feasibility of CO ₂ injection for the Gas Cleaning Plant (GCP) of the Steelmaking Shop (SMS) to effectively reduce pH levels in the circulating water, thereby ensuring optimal recycling of treated water for converter gas cleaning.

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ix	The project proponent shall practice rainwater harvesting to maximum possible extent	The rainwater harvesting system has been implemented to capture water from the rooftops of all ECR buildings in the BF and other units.
x	Treated water from ETP of COBP shall not be used for coke quenching	Treated water from the ETP of COBP is undergoing further treatment in the CETP for reuse.
xi	Water meters shall be provided at the inlet to all unit processes in the steel plants	Water meters have been installed at the inlets of all process units for monitoring.
xii	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water	We actively monitor water usage and quality to meet regulatory standards and pursue industry-leading water conservation practices. Additionally, we are investigating new technologies and methodologies to enhance our water management system further.
IV.	Noise monitoring and prevention	
i	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	<ul style="list-style-type: none"> Noise levels are regularly monitored, and the reports are submitted along with the six-monthly compliance reports. The noise level monitoring report for the period from Oct 2025 to Mar 2026 is attached as Annexure-1.
V.	Energy Conservation measures	
i	The project proponent shall provide TRTs to recover energy from top gases of Blast Furnaces.	Top Recovery Turbines (TRTs) are installed and operational, effectively recovering top gases from the Blast Furnace.
ii	Coke Dry Quenching (CDQ) shall be provided for coke quenching for the coke oven plant	Coke Dry Quenching (CDQ) system has been provided for coke quenching as per the specified requirement for the coke oven plant.
iii	Waste heat shall be recovered from Sinter Plants coolers and Sinter Machines	Waste Heat Recovery System is envisaged for the Sinter Cooler.
iv	Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles	Torpedo ladles are utilized for the transfer of hot metals.
v	Use hot charging of slabs and billets/blooms as far as possible	We comply with the use of hot charging of slabs and billets/blooms to the maximum extent possible.
vi	Waste heat recovery systems shall be provided in all units where the flue gas or process gas exceeds 300°C.	Waste Heat Recovery Systems have been successfully commissioned in Hot Strip Mill, where flue gas or process gas temperatures exceed 300°C
vii	Explore feasibility to install WHRS at Waste Gases from BF stoves; Sinter Machine; Sinter Cooler, and all reheating furnaces and if feasible shall be installed.	We are committed to complying with the requirement by actively exploring the feasibility of installing Waste Heat Recovery Systems (WHRs) for waste gases from blast furnace stoves, sinter machines, sinter coolers, and all reheating furnaces. If deemed feasible, we will proceed with the installation to enhance energy efficiency and reduce emissions.
viii	Restrict Gas flaring to < 1%.	Most of the by-product gases are utilized as fuel. Flaring is minimized and only occurs

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		during necessary shutdowns to ensure safety and operational efficiency.
ix	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, streetlights, parking around project area and maintain the same regularly.	Successfully commissioned 19.15 MWp solar modules (including both rooftop and floating installations) within the plant premises. Furthermore, Solar lights have been installed at Gate 3 and Gate 1 utilizing solar light systems in common areas.
xi	Provide LED lights in their offices and residential areas	LED lighting has been installed in both office and residential areas to enhance energy efficiency.
xii	Ensure installation of regenerative type burners on all reheating furnaces	Regenerative burners have been installed on all reheating furnaces to improve energy efficiency and reduce emissions.
VI	Waste management	
i	An attrition grinding unit to improve the bulk density of BF granulated slag from 1.0 to 1.5 Kg/l shall be installed to use slag as river sand in construction industry	The feasibility study for the specified requirement is currently underway.
ii	Tar Sludge and waste oil shall be blended with coal charged in coke ovens	Tar sludge is currently being blended with coal for charging in the coke ovens, in compliance with the specified requirement.
iii	Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed	GCP sludge is being used in Sinter plant
iv	Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS	The Metal Recovery Plant is operational, ensuring compliance with the specified requirement to recover scrap, metallic and flux for recycling to sinter plant and SMS.
v	Used refractories shall be recycled as far as possible	Used refractories are being recycled to the greatest extent possible, adhering to the compliance requirement.
vi	SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant	SMS slag after metal recovery is being reused in process and after conditioned used for road making.
vii	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office	There is no generation of fly ash as the facility operates a gas-based power plant.
viii	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area	Oil collection pits have been provided in oil cellars, and oil collection trays are installed under coils on saddles in the cold rolled coil storage area to facilitate the collection and reuse/recycling of spilled oil.

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ix	Kitchen waste shall be composted or converted to biogas for further use	We are in the advanced stages of commissioning a Polycrack unit, which will separately process kitchen waste to convert it into syngas and biochar.
VII	Green Belt	
i	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant	The green belt has been developed covering 33% of the plant area with native tree species, adhering to CPCB guidelines, and encompassing the entire periphery of the plant.
ii	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration including plantation	<ul style="list-style-type: none"> • GHG inventory is conducted annually using the WSA and GHG methodology. • CO₂ emission reduction activities are actively implemented.
VIII	Public hearing and Human health issues	
i	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Emergency preparedness plan, based on hazard identification, risk assessment, and a disaster management plan, is in place.
ii	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Personal Protective Equipment (PPE) is mandatory for all workmen in accordance with the Factory Act, and heat stress analysis is being conducted in specific areas.
iii	Occupational health surveillance of the workers shall be done on a regular basis and records maintained	Occupational health surveillance for all workers is conducted annually, and the records are maintained accordingly.
IX.	Corporate Environment Responsibility	Compliance status as on 31.03.2026
i	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020	Complies with the provisions outlined in the Ministry's Office Memorandum, F.No. 22-65/2017-IA.III, dated 30/09/2020
ii	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms /conditions. The company shall have defined system of reporting infringements /deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	The Corporate Environmental Policy was submitted to the MoEF&CC, New Delhi, via letter no. TSL/DEL/805/2013 on 8th January 2013.

Six Monthly Compliance Status (Oct'25 to Mar'26) of Environmental Clearance for expansion of Integrated Steel Plant from 6 MTPA to 8 MTPA Crude Steel and 9 MTPA Finished Steel by Tata Steel Ltd at Kalinganagar Industrial Complex, Jajpur, Odisha, EC Expansion dated 24.12.2020 and Amendment dated 13.09.2024

iii	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization	Separate Environmental cell with well qualified personnel is in place both at project and company head quarter level.									
X	Miscellaneous	Compliance status as on 31.03.2026									
i	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	<ul style="list-style-type: none"> Newspaper advertisement details: - <table border="1"> <thead> <tr> <th>Newspaper</th> <th>Language</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Orissa Post</td> <td>English</td> <td>30.12.20</td> </tr> <tr> <td>Sambad</td> <td>Odia</td> <td>30.12.20</td> </tr> </tbody> </table> 	Newspaper	Language	Date	Orissa Post	English	30.12.20	Sambad	Odia	30.12.20
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ii	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt	Copies of environmental clearance have been submitted vide our letter No. Proj/TSK/ 2021 /033 dtd. 06.01.2021									
iii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Status of Compliance of EC conditions along with monitoring data are uploaded on company's website https://www.tatasteel.com/corporate/our-organisation/environment/environment-compliance-reports/									
iv	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	<ul style="list-style-type: none"> Environmental monitoring is carried out on regular basis and monitoring data is also submitted along with six monthly compliance reports. The monitoring data is displayed at main gate of company for disclosure to the public. 									
v	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal	<ul style="list-style-type: none"> We are submitting the six-monthly compliance report of ECs in stipulated time. Last Six-monthly compliance reports for the period Oct'25 to Mar'26 was submitted to MoEF&CC/OSPCB Regional Office in soft copy on 28.11.2025 also submitted in PARIVESH portal. Soft copy of the half yearly progress report was also being sent to roez.bsr-mef@nic.in 									
vi	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,	<ul style="list-style-type: none"> Environment Statement for FY 2024-25 was submitted to OSPCB on 25.09.2025. Both, Environment Statement and Status of Compliance of EC conditions have been uploaded on company's website 									

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	as amended subsequently and put on the website of the company.	https://www.tatasteel.com/corporate/our-organisation/environment/environment-compliance-reports/
vii	The project proponent 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, commencing the land development work and start of production operation by the project.	Informed the Regional Office and the Ministry about the date of financial closure, final project approval by the concerned authorities, commencement of land development, and the start of production operations.
viii	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee	We have adhered to all commitments and recommendations outlined in the EIA/EMP report, ensuring full compliance.
ix	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	We have maintained compliance by obtaining the necessary Environmental Clearance amendment for the replacement of the Multi Strand Billet Caster with a Slab Caster, as documented in MoEF&CC file no: J-11011/7/2006-IA-II(I) dated 13/09/2024.
x	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	<ul style="list-style-type: none"> • We ensure full compliance by strictly adhering to the requirement of providing accurate and truthful information. • We are committed to transparency and integrity in all our environmental reporting and documentation.
xi	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	We are committed to ensuring satisfactory implementation of all the specified conditions and maintaining compliance with the environmental clearance requirements.
xii	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions	<ul style="list-style-type: none"> • We acknowledge the Ministry's authority to impose additional conditions as deemed necessary. • We are committed to implementing any such conditions in a timely manner to ensure full compliance with environmental regulations.
xiii	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports	We are fully committed to cooperating with the Regional Office of the Ministry by providing all required data, information, and monitoring reports to facilitate effective compliance monitoring of the stipulated conditions.
xiv	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010	We acknowledge that there is no appeal against this Environmental Clearance (EC) filed with the National Green Tribunal within 30 days, as stipulated under Section 16 of the National Green Tribunal Act, 2010.

Annexure:1

AMBIENT AIR QUALITY (INSIDE PLANT)														
Period: Oct'25 to Mar'26														
Sl. No	Sampling Stations	Month	PM 10 µg/m3	PM 2.5 µg /m3	SO2 µg/ m3	NOX µg / m3	CO mg/m3	Ozone (O3) µg/m3	Lead (Pb) µg/m3	Ammonia (NH3) µg/m3	Benze ne (C6H6)	Benzo (a) Pyrene ng /m3	Arsenic (As) ng /m3	Nickel (Ni) ng/m3
1	Coke Oven	Oct'25 to Mar'26	78.78	41.12	9.35	36.92	0.91	25.47	0.04	26.28	<4.2	<0.5	<1.0	<5.0
2	Gate-1		71.03	34.58	8.68	33.47	0.81	24.65	0.03	26.77	<4.2	<0.5	<1.0	<5.0
3	Gate-4		70.57	32.38	8.55	27.72	0.81	25.83	0.02	23.65	<4.2	<0.5	<1.0	<5.0
4	HSM		69.72	35.10	7.30	29.40	0.77	23.16	0.01	31.38	<4.2	<0.5	<1.0	<5.0
5	Sinter Plant		70.67	38.05	7.70	29.38	0.76	23.98	0.03	28.05	<4.2	<0.5	<1.0	<5.0
6	SMS		65.88	30.70	7.88	27.15	0.80	25.98	0.02	23.83	<4.2	<0.5	<1.0	<5.0
7	BF#1		66.55	30.88	7.50	32.05	0.69	23.34	0.03	26.85	<4.2	<0.5	<1.0	<5.0
8	BF#2		68.25	31.83	7.23	34.03	0.80	23.28	0.01	37.48	<4.2	<0.5	<1.0	<5.0
C.P.C.B Standard			100 (24 Hrs.)	60 (24 Hrs.)	80 (24 Hrs.)	80 (24 Hrs.)	2 (8 Hrs.)	100 (8 Hrs.)	1 (24 Hrs.)	400 (24 Hrs.)	05 (Annua l)	01 (Annual)	06 (Annual)	20 (Annu al)

Noise Monitoring Report
Period: Oct'25 to Mar'26

Sl. No	Noise Monitoring Locations	Oct'25		Nov'25		Dec'25		Jan'26		Feb'26		Mar'26		Average				
		in dBA (Day Time) 06.00am to 10.00pm	in dBA (Night Time) 10.00pm to 06.00am	in dBA (Day Time) 06.00am to 10.00pm	in dBA (Night Time) 10.00pm to 06.00am	in dBA (Day Time) 06.00am to 10.00pm	in dBA (Night Time) 10.00pm to 06.00am	in dBA (Day Time) 06.00am to 10.00pm	in dBA (Night Time) 10.00pm to 06.00am	in dBA (Day Time) 06.00am to 10.00pm	in dBA (Night Time) 10.00pm to 06.00am	in dBA (Day Time) 06.00am to 10.00pm	in dBA (Night Time) 10.00pm to 06.00am	in dBA (Day Time) 06.00am to 10.00pm	in dBA (Night Time) 10.00pm to 06.00am	NOISE STANDARDS RDS	in dBA (Night Time) 10.00pm to 06.00am	NOISE STANDARDS S
1	Sinter Plant	73.7	63.9	73.1	65.5	74.2	66.3	70.9	64.8	74.1	62.9	74.3	63.9	73.4	75.0			
2	BF	72.2	67.4	73.8	63.7	71.8	63.5	73.5	64.2	71.9	66.2	74.3	65.7	72.9	75.0	65.1	70.0	
3	SMS	74.1	65.5	74.6	64.8	72.5	66.3	74.7	66.8	73.9	67.3	73.8	68.2	73.9	75.0	66.5	70.0	
4	Gate-1	69.6	58.5	67.6	56.5	70.6	59.3	70.0	60.1	71.2	54.5	65.6	57.3	69.1	75.0	57.7	70.0	
5	RMHS	74.3	65.5	73.9	64.2	74.1	64.2	71.9	64.2	73.7	64.4	73.9	64.8	73.6	75.0	64.6	70.0	
6	HSM	74.6	66.6	74.3	67.1	73.5	66.9	74.8	67.3	74.3	66.7	74.2	68.5	74.3	75.0	67.2	70.0	
7	LCP	73.8	64.9	71.8	67.7	72.8	67.4	72.8	65.9	73.9	68.5	73.8	68.3	73.2	75.0	67.1	70.0	

GROUND WATER QUALITY REPORT
Period: Oct'25 to Mar'26

Sl. No.	Parameter	Standard as per BIS: 10500	Oct'25	Nov'25	Dec'25	Jan'26	Feb'26	Mar'26	Average
1	pH Value	6.5-8.5	7.19	7.15	7.18	7.15	7.18	7.37	7.2
2	Colour	5	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	CL
3	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	AL
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	AL
5	Turbidity (NTU), max	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
6	Anaionic Detergents , mg/l, max	0.2	ND	ND	ND	ND	ND	ND	ND
7	Aluminium as Al, mg/l, max	0.03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8	Alkalinity , mg/l, max	200	125	106	104	96	92	90	102.1
9	Total Hardness (as CaCO3), mg/l, max	300	122	118	108	102	114	102	111
10	Electrical Conductivity at 250C, µmho/cm	-	546.0	486.0	439.0	420.0	381	360	438.67
11	Calcium (as Ca), mg/l, max	75	38.4	32.8	33.5	34.2	35.1	34.5	34.75
12	Magnesium as Mg, mg/l, max	-	12.68	8.77	7.59	4.03	4.17	3.85	6.85
13	Sodium as Na, mg/l, max	-	5.1	4.5	4.1	5.8	5.6	5.0	5.02
14	Potassium as K, mg/l, max	-	4.3	4.1	4.4	3.2	3.1	2.9	3.67

29	Zinc (as Zn), mg/l, max	5	0.21	0.20	0.22	0.20	0.23	0.20	0.21
30	Nickel as Ni, mg/l, max	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
31	Total Chromium as Cr, mg/l, max	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
32	Chromium (as Cr+6), mg/l, max	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
33	Mineral Oil, mg/l, max	0.01	ND	ND	ND	ND	ND	ND	ND
34	Total Coliform, MPN/ 100 ml	-	<1.1	<1.1	<1.1	<1.1	Absent	Absent	<1.1
35	E-coli , MPN/ 100 ml	-	Absent	Absent	Absent	Absent	Absent	Absent	Absent
36	Total Dissolved Solids, mg/l, max	500	168.0	158.0	152.0	132.0	142	145	149.5
37	Residual, free Chlorine, mg/l, min	0.2	ND	ND	ND	ND	ND	ND	BDL
38	Boron mg/l, max	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

#CL- Colorless

#BDL- Below Detection Limit

#AL- Agreeable

VOC Monitoring Report on Coke Oven
(Monthly average from Oct'25 to Mar'26)

Sl. No	Monitoring Location	Month	Benzene (C6H6) µg/m3	Benzo (a) Pyrene ng/m3
1	Coke Oven Plant	Oct'25 to Mar'26	2.54	BDL
2	Near Coke Oven Battery#1		2.92	0.36
3	Near Coke Oven Battery#2		2.67	0.45
4	Near CDQ Area		2.81	BDL
C.P.C.B Standard			05 µg/m3 (Annual)	01 ng/m3 (Annual)

Fugitive Visible Emission Monitoring Report of Coke Oven

(Monthly average from Oct'25 to Mar'26)

Sl. No	Parameters	Month	C.P.C.B Standard	Fugitive Emission Level
Coke Oven Battery-1				
1	- Leakage from door (PLD)	Oct'25 to Mar'26	5 %	3.2 %
2	- Leakage from charging lids (PLL)		1 %	0.5 %
3	Leakage from AP covers (PLO)		4 %	2.4 %
4	Charging emission (HPLA)		16 second/charge	13 seconds (with HPLA)
Coke Oven Battery-2				
1	- Leakage from door (PLD)	Oct'25 to Mar'26	5 %	3.1 %
2	- Leakage from charging lids (PLL)		1 %	0.6 %
3	Leakage from AP covers (PLO)		4 %	2.2 %
4	Charging emission (HPLA)		16 second/charge	12 seconds (with HPLA)

Stack Monitoring Report

Period: Oct'25 to Mar'26

Sl. No.	Stack Name	Norms mg/Nm3	Oct'25	Nov'25	Dec'25	Jan'26	Feb'26	Mar'26	Avg
1.	Coke Oven Battery No. 1	50	12.76	13.02	27.1	16.3	13.1	12.97	15.88
2.	Coke Oven Battery No. 1 De-dusting Chimney	50	8.5	10.6	14.5	10.6	14.5	7.33	11.01
3.	Coke Oven Battery No. 2	50	17.34	17.07	23.3	16.4	16.9	17.6	18.10
4.	Coke Oven Battery No. 2 De-dusting Chimney	50	17.7	14.8	12.1	15.3	17.1	17.1	15.68
5.	Coke Oven Battery No. 3(A&B)	30	27.2	22.3	22.3	26.9	26.9	27.3	25.48
6.	Coke Oven Battery No. 3(A&B) DE Chimney	30	11.2	12.4	12.4	12.6	12.6	23.5	14.12
7.	Coke Dry Quenching 1	50	11.67	12.5	10.5	9.9	9.63	9.84	10.67
8.	Coke Dry Quenching 2	50	28.3	28.3	21.4	21.4	21.4	25.4	24.37
9.	Coke Dry Quenching 3	50	-	-	5.0	5.0	22.1	22.1	13.55
10.	Sinter Plant Waste Gas Chimney	50	38.7	28.9	35.4	28.5	33.2	37.5	33.70
11.	Sinter Plant De-Dusting Chimney	50	9.52	14.65	20.4	16.8	34.4	15.1	18.48
12.	BF 1 Stove	50	9.7	1.79	5.4	1.4	1.0	1.51	3.47
13.	BF 1 Cast House-2	50	29.7	24.8	21.7	24.0	20.5	20.7	23.57
14.	BF 1 Stock House	50	28.3	22.06	22.6	22.4	22.6	23.84	23.63
15.	BF 1 PCI 1	50	5.86	4.1	7.0	7.8	7.9	3.8	6.08
16.	BF 1 PCI 2	50	2.85	4.9	6.8	9.2	9.8	1.4	5.83
17.	BF 2 Stove	30	3.8	10.9	7.5	10.2	7.84	10.6	8.47
18.	BF 2 Stock House Iron fines 1	30	18.8	11.05	12.6	7.2	7.20	3.5	10.06
19.	BF 2 Stock House Iron fines 2	30	12.7	21.3	20.1	9.0	9.00	0.98	12.18
20.	BF 2 Stock House Coke fines	30	15.2	15.17	7.4	26.6	26.60	2.61	15.60
21.	BF 2 Cast House 1	30	4.8	6.2	9.1	7.1	10.40	7.5	7.52
22.	BF 2 Cast House 2	30	9.7	5.8	7.9	6.9	3.05	3.62	6.16
23.	SMS Chimney	50	37.5	29.37	26.6	27.9	30.73	21.8	28.98
24.	SMS LF 1	50	23.8	10.15	14.2	5.5	2.82	4.44	10.15

25.	Bag Filter of Torpedo Unloading	50	10.0	10.0	10.0	10.0	10.0	10.0	10.00
26.	HSM Chimney-1	100	6.94	6.37	13.3	11.9	11.4	11.9	10.30
27.	HSM Chimney-2	100	11.2	10.91	12.5	14.8	10.7	19.1	13.20
28.	HSM Chimney-3	100	6.3	8.95	10.5	12.3	11.1	16	10.86
29.	HSM Chimney-4	30	7.2	9.93	9.7	8.9	13.2	15.1	10.67
30.	LCP Kiln-1	150	18.7	15.4	15.8	15.1	10.01	8.1	13.85
31.	LCP Kiln-2	150	11.2	10.78	0.0	0.0	12.2	11.0	7.53
32.	LCP Kiln-3	30	9.7	19.4	23.6	15.2	13.5	13.5	15.82
33.	LCP Kiln-4	30	9.3	14.9	23.8	16.0	10.6	10.6	14.20
34.	CPP Boiler-1	50	5.3	7.8	7.7	7.1	10.1	15.7	8.95
35.	CPP Boiler-2	50	5.6	7.5	7.9	6.9	6.2	15.9	8.33
36.	CPP Boiler-3	50	6.3	8.2	6.9	8.2	8.8	11.5	8.32
37.	Pellet Plant Induration Furnace	30	12.61	13.10	12.4	12.3	12.3	12.4	12.52
38.	Pellet Plant Discharge and HLSB DE	30	7.69	22.4	24.4	7.64	16.5	27.5	17.69
39.	Pellet Plant Ballmill-1 DE	30	9.6	12.2	11.40	7.6	7.6	23.8	12.03
40.	Pellet Plant Ballmill-2 DE	30	8.2	9.9	12.40	11.3	8.0	25	12.47
41.	Pellet Plant Dryer-1 & 2 DE	30	29.1	25.2	17.40	25.6	22.2	19.7	23.20
42.	CRM PLTCM (PL Fume Exhaust System)	30	0.2	5.0	5.0	11.6	10.4	5.8	6.33
43.	CRM PLTCM (PL Dust Collector Stack)	30	0.22	8.7	12.3	11.9	9.5	0.26	7.15
44.	CRM PLTCM (TCM Fume Exhaust Stack)	30	0.44	0.53	1.23	2.7	8.7	11.6	4.20
45.	CRM ARP	30	0.02	0.09	0.1	15.5	7.8	0.03	3.92

Dioxins & Furans Monitoring Report

Sinter Plant Waste Gas Chimney

Compound	Method	Unit of measurement	Limit of Quantitation	Results (ng-TEQ)
1,2,3,4,6,7,8-HpCDD	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.00024
1,2,3,7,8,9-A18	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.0024
1,2,3,7,8-PeCDD	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.024
2,3,7,8-TCDD	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.005
1,2,3,6,7,8-HxCDD	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.0024
1,2,3,4,7,8-HxCDD	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.0024
OCDD	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.000015
2,3,4,7,8-PeCDF	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.0072
1,2,3,4,6,7,8-HpCDF	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.00024
1,2,3,4,7,8,9-HpCDF	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.00024
1,2,3,4,7,8-HxCDF	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.0024
1,2,3,6,7,8-HxCDF	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.0024
1,2,3,7,8,9-HxCDF	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.0024
1,2,3,7,8-PeCDF	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.00072
2,3,4,6,7,8-HxCDF	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.0024
2,3,7,8-TCDF	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.0005
OCDF	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	N/A	<0.000015
Total Dioxins & Furans	USEPA 23A/QA.16.4.73	ng-TEQ/Nm3	0.01	<0.01

Some Photographs



Plant View



Dry GCP is in Operation



Plantation inside Plant



Floating Solar Panel at Water reservoir



Roof Top Solar panel and Miyawaki Plantation at TWTP



Barrel Storage Shed