

TATA STEEL SPECIAL ECONOMIC ZONE LTD

Half-Yearly Compliance Report

On Environmental Clearance Conditions

**((MoEF Letter Ref No: -21-136/2015-IA-III, dated 20th
September'2018 & F- No. 21-136/2015-IA-III dated 28th
December'2018))**

Period: Oct'2025 – March'2026

**Submitted By:
Tata Steel Special Economic Zone Ltd
M/s. Tata Steel Limited
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(Odisha)**

List of Annexures

Sl. No	Title of the Annexure	Annexure No.
1	Environment Monitoring Results of last Six months (Oct' 2025– March'2025)	I
2	CSR Activities & expenditure details.	II

Compliance to the Environmental & CRZ Clearance Letter No: -21-136/2015-IA-III dated 20.09.2018 in respect of Development of Multi-product SEZ/Industrial Park at Gopalpur, Ganjam, Odisha by M/s Tata Steel Special Economic Zone Limited.

PART A-SPECIFIC CONDITIONS:

I. Construction Phase

SI	Specific Condition	Compliance Status (Oct '2025 – March'2026)
(i)	The project proponent shall ensure that the project is in consonance with the new Coastal Zone Management Plan prepared by the State Government under the provisions of CRZ Notification, 2011.	The project has been approved based on the new coastal zone management plan. All the applicable provisions of CRZ notification, 2011 shall be complied.
(ii)	All the recommendations of Odisha Coastal Zone Management Authority (OCZMA) vide letter no. 71/OCZMA dated 31.08.2017 shall be complied in letter and spirit.	Compliance shall be secured by the project proponent for all the recommendations of Odisha Coastal Zone Management Authority (OCZMA) as prescribed.
(iii)	Screens and trash bars shall be provided to avoid entry of fishes and fish larvae into the system.	The construction of the Desalination Plant is yet to commence. Once the plant is constructed, this provision shall be complied.
(iv)	There shall be no disturbance to the sand dunes.	Project will not make disturbance to the sand dunes.
(v)	No construction works other than those permitted in CRZ Notification shall be carried out in CRZ area.	Noted, Compliance shall be ensured.
(vi)	Though the sumps and pump house are located beyond CRZ area, in view of its proximity to sea necessary prior permission shall be obtained for construction of sumps from the competent authority. Copy of permission shall be submitted to the concerned Regional Office of the Ministry prior to the commencement of work.	As on date, the sumps and pump house are not located beyond CRZ area. In future, necessary compliances shall be ensured.
(vii)	No use of ground water for proposed multi-product SEZ/industrial park	. Noted
(viii)	2% of the project cost shall be apportioned for marine and coastal biodiversity protection and conservation measures, to be spent by the project proponent.	TSSEZL will spend 2% of the project cost for marine and coastal biodiversity protection and conservation measures once the Desalination Plant and Common Effluent Treatment Plant is constructed and made operational.
(ix)	'Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act,	Complied. CTE has been obtained from OSPCB for Phase I developmental activity on dated: 29.03.2019 and

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Sl	Specific Condition	Compliance Status (Oct '2025 – March'2026)
	1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Amended CTE no 7837/IND-II-CTE-7237 ON 28.05.2024.
(x)	The project proponent shall report to the State Pollution Control Board about the compliance of the prescribed standards for all discharges from the Industrial Area into the sea.	At present, there is no discharge from the Industrial Park to the outside area or the sea. All wastewater discharge; when generated, shall be as per wastewater discharge standards of OSPCB. It will be monitored periodically, and the results will be reported to CPCB/OSPCB as per stipulated in the condition of EC.
(xi)	All the provisions of the CRZ Notification, 2011 shall be strictly complied with, and in case of any change in scope of work, necessary recommendations from the OCZMA shall be obtained for further consideration by the concerned regulatory authority.	At present, there is no change in the scope of the work of the project. All provision of the CRZ Notification, 2011 will be strictly complied with & in case of any change in the scope in future, necessary recommendations from OCZMA shall be obtained.
(xii)	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	Noted, As of now no Hazardous wastes is being generated For solid wastes we disposes through the municipality .
(xiii)	Air pollution and the solid waste management aspects need to be properly addressed ensuring compliance of the Construction and Demolition Waste Management Rules, 2016.	Complied.
(xiv)	This environmental clearance is only for the said Industrial Area. Any other activity within the Industrial Area would require separate environmental clearance, as applicable under EIA Notification, 2006 as amended from time to time. For all the individual units, environmental clearances, as applicable, shall be obtained from the respective regulatory authorities.	Noted. Separate EC will be obtained by the individual industries as per requirements.
(xv)	To achieve the Zero Liquid Discharge, wastewater generated from different industrial operations shall be properly collected, treated to the prescribed standards,	Yes, the existing companies in the site are operating on a Zero Liquid Discharge (ZLD) Concept. Hence, recycling of waste has not been taken up by the TSSEZL as of now. However, TSSEZL has plans to set

SI	Specific Condition	Compliance Status (Oct '2025 – March'2026)
	and then recycled or reused for the identified uses	up common facilities for waste treatment, recycle and disposal.
(xvi)	The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured/recorded to ensure the water balance as projected by the project proponent. The record shall be submitted to the concerned Regional Office of the Ministry along with six monthly monitoring reports.	Noted, At present we are in the process of developing a rainwater harvesting system. We will be recording and informing the concerned Regional Office of the Ministry along with six monthly monitoring reports, after completion of the project
(xvii)	Special purpose vehicle shall be established for implementation, monitoring and compliance of the environmental safeguards.	Tata Steel Special Economic Zone itself is the Special Purpose vehicle for implementation, monitoring and compliance of the safeguards. Environmental review and monitoring are being performed by the EMC on regular basis.
(xviii)	Solid wastes shall be collected, treated disposed in accordance with the Solid Waste Management Rules, 2016. No municipal waste shall be disposed off outside the premises.	Complied.
(xix)	All the recommendation of the EMP shall be complied with in letter and spirit.	Complied.
(xx)	The member units shall provide storage tanks for storage of effluent for monitoring the characteristics of effluent before taking into the CETP for further treatment.	Noted, it shall be ensured.
(xxi)	Proper meters with recording facilities shall be provided to monitor the effluent quality and quantity sent from member industries to CETP and from CETP to the final disposal/re-use on a continuous basis.	Noted, it shall be ensured.
(xxii)	Member industries shall treat the effluent to meet the prescribed CETP inlet norms.	Noted, it shall be ensured.
(xxiii)	The project proponent shall establish an environmental monitoring cell with all the potential polluting units as members to review the environmental monitoring data and suggest for improvements.	Complied.
(xxiv)	Internal Road widths within the industrial area shall be minimum 18 m ROW.	Complied.
(xxv)	Parking space to accommodate trucks, cars, two wheelers and bicycles shall be provided as per the norms	Complied.
(xxvi)	Any hazardous waste generated during development/ construction phase, shall be disposed of as per applicable rules and norms with necessary approvals of the State.	Noted, As of now we are not generated hazardous waste.
(xxvii)	The D.G. sets to be used during development/construction phase shall be low	We have 3 nos DG with capacity 40 KVA 2 and 500 1, We are maintaining the statutory standards.

Sl	Specific Condition	Compliance Status (Oct '2025 – March'2026)
	sulphur diesel type and shall conform to Environment (Protection) Rules prescribed for air and noise emission standards	
(xxviii)	Vehicles hired to bring construction material to the site shall be in good condition and should have a pollution check certificate and shall conform to applicable air and noise emission standards and shall be operated only during non-peak hours.	Complied. We have checking regularly.
(xxix)	Ambient noise levels shall conform to the prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during development/ construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB	Complied.
(xxx)	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August 2003 and 25th January 2016.	Complied
(xxxi)	Storm water control and its re-use as per CGWB and BIS standards for various applications.	One retention pond has been constructed with capacity of 6 lakh cum and two more are under construction for storage of storm water and its re-use for various applications.
(xxxii)	Water demand during development/construction shall be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Being Complied.
(xxxiii)	Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.	We are not drawing the ground water.
(xxxiv)	Fixtures for showers, toilet flushing, and drinking shall be of low flow either by use of aerators or pressure reducing devices or sensor-based control.	Complied.
(xxxv)	Regular supervision of the above and other measures for monitoring shall be in place all through the development/ construction phase, so as to avoid disturbance to the surroundings.	Complied.
(xxxvi)	The responses/commitments made to the issues raised during public hearing shall be complied with in letter and spirit. A hard copy	Complied.

SI	Specific Condition	Compliance Status (Oct '2025 – March'2026)
	of the action taken shall be submitted to the Ministry.	
(xxxvii)	Fund Allocation for corporate Environment Responsibility (CER) shall be made as per ministry's O.M No. 22-65/2017 - IA.III dtd. 1st May 2018 for various activities therein. The detailed report shall be submitted to this Ministry and its concerned regional office within 3 months.	Complied. Details report submitted.
(xxxviii)	Corporate Environment Responsibility:	Complied.
a)	The company shall have a well-laid-down Environment Policy approved by the Board of Directors.	Complied,
b)	The Environment Policy shall prescribe standard operating processes/procedures to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions.	Complied.
c)	The hierarchical system or administrative order of the company to deal with environmental issues and to ensure compliance with the environmental clearance conditions shall be furnished.	Complied.
d)	To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/violations of environmental norms to the Board of Directors of the company and or shareholders or stakeholders at large.	Complied.
	II- Operation Phase	
i	Periodic monitoring of coastal water shall be carried out at outfall location.	No outfall location has been constructed as on date. Will be complied in future once the desalination plant is constructed.
ii	No use of ground water for proposed multi - product SEZ/industrial park.	Noted.
iii	Identify and enhance skill development activities for the local community which would cater to the future needs of the of Industrial Park and increase skill levels of local people.	JNTTEC training institute is already established for skill development of local community. Skill development programs to local youth is being conducted as part of Corporate Social Responsibility (CSR).
iv	Preparation of scheme for implementation of habitat improvement and biodiversity conservation plan and implementation schedule with the help of Salim Ali Centre for Ornithology and Natural History, Coimbatore (SACON), and same to be submitted to MoEF&CC and its Regional Office within six	The suggested measures are under implementation. Biodiversity study was conducted, and report has already been submitted to MoEF&CC.

SI	Specific Condition	Compliance Status (Oct '2025 – March'2026)
	months. Sufficient fund provision to be made to implement the same.	
V	The tree plantation programme should be made in supervision of experts who can guide from nursery up to the minimum 5 years maintenance period. The species composition should be made with local and fruit species and planted suitably in strip or lonely as per the land availability with drip water/irrigation facility. The natural water body and creek should be protected and undisturbed except taking conservation activities.	complied as per the approved plan of the project in the designated areas. 4000 local species trees planted in fy 25-26 also we have plan to local species 4000 tree plantation Fy26-27. Till now we have completed the 12000 trees Complied.
Vi	Implementation of Marine Environmental Management Plan in Toto.	Compliance shall be ensured.
Vii	All the topsoil excavated during development/construction activities should be stored for use in horticulture/landscape development within the project site.	BComplied.
viii	Disposal of muck during development/construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Being Complied.
Ix	The solid waste generated shall be properly collected and segregated in accordance with the Solid Waste Management Rules, 2016. Wet garbage shall be composted, and dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.	Complied.
X	The height of stack of DG sets shall be equal to the height needed for the combined capacity of all proposed DG sets. The location of the DG sets may be decided with in consultation with State Pollution Control Board.	Compliance will be ensured upon deployment of DG sets as per stipulation.
Xi	Noise shall be controlled to ensure that it does not exceed the prescribed standards. During nighttime, the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Noted.
xii	The green belt of the adequate width and density preferably with local species along the	Complied.

SI	Specific Condition	Compliance Status (Oct '2025 – March'2026)
	periphery of the plot shall be raised so as to provide protection against particulates and noise.	
xiii	Weep holes in the compound walls shall be provided to ensure natural drainage of rainwater in the catchment area during the monsoon period.	Complied.
xiv	Rainwater harvesting for roof run-off and surface run- off, as plan submitted shall be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging shall be kept at least 4 mts above the highest ground water table.	Under progress. Noted. Noted.
Xv	The ground water level and its quality shall be monitored regularly in consultation with Central Ground Water Authority.	No borewell inside of Industrial park .
xvi	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking, loading and unloading shall be fully internalized and no public space shall be utilized.	Complied.
xvii	Energy conservation measures like installation of LEDs for lighting the areas outside the building shall be integral part of the project design and shall be in place before project commissioning. Used LEDs shall be properly collected and disposed off /sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.	Complied.
xviii	The buildings shall have adequate distance between them to allow movement of fresh air and passage of natural light, air, and ventilation.	Noted.

PART-B: GENERAL CONDITIONS

SI.No.	Stipulated Condition	Compliance Status (Oct-2025 -Mar'2026)
i	The responsibility to comply with the EC conditions mentioned in this letter is solely of the project proponent.	Noted.

Sl.No.	Stipulated Condition	Compliance Status (Oct-2025 -Mar'2026)
li	The environmental safeguards contained in the EIA report shall be implemented in letter and spirit.	Noted.
lii	Provision shall be made for supply of kerosene or cooking gas and pressure cooker to the labourers during construction phase.	Noted.
Iv	Six Monthly monitoring reports shall be submitted to the Ministry and concerned Regional Office of the Ministry.	Being Complied.
V	A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries Center and Collector's Office/Tehsildar's Office for 30 days.	Complied.
Vi	The project proponent shall set up a separate Environmental Management Cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.	Complied.
vii	The funds earmarked for Environment Management Plan shall be included in the budget and this shall not be diverted for any other purpose.	Noted, Compliance shall be ensured.
C	OTHER CONDITIONS	
5	The above stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment Protection Act 1986, the Public Liability (Insurance) Act 1991 and EIA Notification 2006.	Noted
6	Officials from the Regional Office of the Ministry who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities, and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC should be forwarded to the CCF, Regional Office of the Ministry.	Complied.

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Sl.No.	Stipulated Condition	Compliance Status (Oct-2025 -Mar'2026)
7	In case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Noted
8	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted
9	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained as applicable by project proponents from the respective competent authorities.	Noted, Necessary approvals from concerned authorities are being obtained as applicable.
10	The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental & CRZ Clearance and copies of the clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forests & Climate Change at http://www.envfor.nic.in . The advertisement shall be made within seven days from the date of receipt of the clearance letter and a copy of the same shall be forwarded to the concerned Regional Office of this Ministry.	Complied.
11	This clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ petition (Civil) No. 460 of 2004 as may be applicable to this project.	Noted.
12	Any appeal against this clearance 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.	Noted.
13	A copy of the Clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban	Complied.

Sl.No.	Stipulated Condition	Compliance Status (Oct-2025 -Mar'2026)
	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.	
14	The proponent shall upload the status of compliance of the stipulated EC conditions, including the results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry, the respective Zonal Offices of CPCB and the SPCB. The criteria pollutant levels namely; PM10, PM 2.5, SO2, NO2 (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied.
15	The environmental statement for each financial year ending 31st March in Form - V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment Protection Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of the Ministry/CPCB/SPCB by e-mail.	Noted.
16	The Ministry may revoke or suspend the clearance, if implementation of any of the above condition is not satisfactory. The Ministry reserves the right to stipulate additional conditions, if found necessary and project proponent in a time bound manner will implement the stipulated additional conditions.	Noted
17	This issues with the approval of the Hon'ble Minister of Environment, Forest and Climate Change, New Delhi	Noted

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(Safety, Health & Environment)
Tata Steel Special Economic Zone Limited,

Date: 27th May 2026



TATA STEEL SPECIAL ECONOMIC ZONE LIMITED

GOPALPUR
INDUSTRIAL PARK

Ambient Air Quality Analysis Report

Location: Near TSSEZL Project Office

	PM ₁₀	PM _{2.5}	SO ₂	NO _x	CO	NH ₃	O ₃	Pb	Ni	As	Benzene	BaP
Months	(µg/m ³)	(µg/m ³)	(µg/m ³)	(µg/m ³)	(mg/m ³)	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(µg/m ³)	(ng/m ³)
Oct-25	64.61	31.81	10.17	14.13	0.4	<20	<10	<0.01	<0.6	<0.44	<5	<1
Nov-25	63.8	33.2	10.32	14.47	0.4	<20	<10	<0.01	<0.6	<0.44	<5	<1
Dec-25	66.71	35.8	10.97	14.82	0.52	<20	<10	<0.01	<0.6	<0.44	<5	<1
Jan-26	68.97	37.87	11.25	15.27	0.65	<20	<10	<0.01	<0.6	<0.44	<5	<1
Feb-26	70.84	39.56	10.97	15.17	0.63	<20	<10	<0.01	<0.6	<0.44	<5	<1
Mar-26	74.13	42.06	11.74	15.76	0.68	<20	<10	<0.01	<0.6	<0.44	<5	<1
MAX	74.13	42.06	11.74	15.8	0.68	<20	<10	<0.01	<0.6	<0.44	<5	<1
MIN	61.8	33.2	10.32	14.1	0.4	<20	<10	<0.01	<0.6	<0.44	<5	<1
AVG	68.2	36.7	10.9	14.9	0.5	<20	<10	<0.01	<0.6	<0.44	<5	<1

Location: Near Mines Crosher

	PM ₁₀	PM _{2.5}	SO ₂	NO _x	CO	NH ₃	O ₃	Pb	Ni	As	Benzene	BaP
Months	(µg/m ³)	(µg/m ³)	(µg/m ³)	(µg/m ³)	(mg/m ³)	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(µg/m ³)	(ng/m ³)
Oct-25	70.36	36.66	12.99	17.01	0.6	<20	<10	<0.01	<0.6	<0.44	<5	<1
Nov-25	66.08	33.42	11.83	16.05	0.41	<20	<10	<0.01	<0.6	<0.44	<5	<1
Dec-25	70.36	36.66	12.99	17.01	0.6	<20	<10	<0.01	<0.6	<0.44	<5	<1
Jan-26	72.16	39.61	13.98	17.62	0.76	<20	<10	<0.01	<0.6	<0.44	<5	<1
Feb-26	75.16	41.69	14.36	17.92	0.78	<20	<10	<0.01	<0.6	<0.44	<5	<1
Mar-26	79.54	44.4	14.98	18.65	0.86	<20	<10	<0.01	<0.6	<0.44	<5	<1
MAX	79.54	44.4	14.98	18.65	0.86	<20	<10	<0.01	<0.6	<0.44	<5	<1
MIN	66.08	33.42	11.83	16.05	0.41	<20	<10	<0.01	<0.6	<0.44	<5	<1
AVG	72.3	38.7	13.5	17.4	0.7	<20	<10	<0.01	<0.6	<0.44	<5	<1

Location: Near TSSEZL Main Gate (Chama Khandi)

	PM ₁₀	PM _{2.5}	SO ₂	NO _x	CO	NH ₃	O ₃	Pb	Ni	As	Benzene	BaP
Months	(µg/m ³)	(µg/m ³)	(µg/m ³)	(µg/m ³)	(mg/m ³)	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(µg/m ³)	(ng/m ³)
Oct-25	63.04	32.04	7.82	11.88	0.38	<20	<10	<0.01	<0.6	<0.44	<5	<1
Nov-25	63.8	33.2	10.32	14.47	0.4	<20	<10	<0.01	<0.6	<0.44	<5	<1
Dec-25	69.44	36.44	12.05	15.33	0.64	<20	<10	<0.01	<0.6	<0.44	<5	<1
Jan-26	71.08	38.89	13.17	17.34	0.75	<20	<10	<0.01	<0.6	<0.44	<5	<1
Feb-26	74.4	41.13	13.66	17.69	0.82	<20	<10	<0.01	<0.6	<0.44	<5	<1
Mar-26	78.24	43.22	13.96	18.25	0.83	<20	<10	<0.01	<0.6	<0.44	<5	<1
MAX	78.24	43.22	13.96	18.25	0.83	<20	<10	<0.01	<0.6	<0.44	<5	<1
MIN	63.8	33.2	7.82	11.88	0.4	<20	<10	<0.01	<0.6	<0.44	<5	<1
AVG	70.0	37.4	11.8	15.8	0.6	<20	<10	<0.01	<0.6	<0.44	<5	<1



Surface Water Analysis Report

Upstream of Khari Nalla(SW1)		MONTH						Result		
Test Parameters	Unit	Oct-25	Nov-25	Dec-25	Jan-25	Feb-25	Mar-25	MAX	MIN	AVG
Colour, Max.	Hazen	15	10	15	20	15	10	20	10	14.16
pH Value @ 25°C	--	7.19	7.13	7.12	7.04	7.41	7.34	7.41	7.04	7.2
Chloride as Cl, Max.	mg/l	36.9	31.9	32.9	35.9	36.9	37.9	37.9	31.9	35.4
Dissolved Solids, Max.	mg/l	191	176	176	192	204	216	216	191	192.5
Dissolved Oxygen, Min.	mg/l	5.8	6	5.8	5.7	5.8	5.7	6	5.7	5.8
BOD for 3 days@ 27 ⁰ C, Max.	mg/l	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Sulphate as SO ₄ , Max.	mg/l	24	22.8	23.26	24.2	24.8	28.1	28.1	24	6
Nitrate as NO ₃ , Max.	mg/l	2.2	2.9	3.4	5	4.9	5.8	4.9	2.2	6
Fluoride as F, Max.	mg/l	0.16	0.21	0.23	0.24	0.24	0.29	0.29	0.16	1.37
Oil & Grease, Max.	mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide as CN, Max.	mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper as Cu, Max.	mg/l	0.03	<0.03	<0.05	0.13	<0.03	<0.03	0.13	<0.03	0.8
Iron as Fe, Max.	mg/l	0.15	0.13	0.12	0.23	0.26	0.31	0.31	0.12	0.2
Lead as Pb, Max.	mg/l	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc as Zn, Max.	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Arsenic as As, Max.	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium as Se, Max.	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium as Cd, Max.	mg/l	ND	<0.003	<0.003	ND	ND	ND	<0.03	<0.03	1
Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Coliform, Max.	MPN/100 ml	117	130	150	190	170	220	220	117	162.1



Surface Water Analysis Report

Down Stream of Khari Nalla, (SW2)		MONTH						RESULT		
Test Parameters	Unit	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	MAX	MIN	AVG
Colour, Max.	Hazen	20	15	15	25	20	15	25	15	18.38
pH Value @ 25°C	--	7.38	7.66	7.12	7.22	7.34	7.28	7.66	7.34	7.3
Chloride as Cl, Max.	mg/l	40.9	39.9	4.2	42.9	43.9	45.9	45.9	39.9	36.9
Dissolved Solids, Max.	mg/l	194	170	186	202	210	222	222	170	197
Dissolved Oxygen, Min.	mg/l	5.7	5.8	5.8	5.6	5.7	5.6	5.8	5.6	5.7
BOD for 3 days@ 27 ⁰ C, Max.	mg/l	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Sulphate as SO ₄ , Max.	mg/l	30.1	29.4	36.2	30.9	31.4	32.6	36.2	29.4	31.7
Nitrate as NO ₃ , Max.	mg/l	4.6	1.8	3.2	5.2	5.6	6.4	6.4	1.8	26.8
Fluoride as F, Max.	mg/l	0.27	0.26	0.23	0.29	0.3	0.33	0.33	0.26	0.28
Oil & Grease, Max.	mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide as CN, Max.	mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper as Cu, Max.	mg/l	<0.03	<0.03	<0.005	<0.005	<0.03	<0.005	<0.005	<0.03	1
Iron as Fe, Max.	mg/l	0.38	0.31	0.19	0.41	0.46	45.9	45.9	0.19	7.4
Lead as Pb, Max.	mg/l	<0.01	<0.01	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc as Zn, Max.	mg/l	<0.05	<0.05	<0.005	<0.005	<0.05	<0.005	<0.05	<0.05	<0.05
Arsenic as As, Max.	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium as Se, Max.	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium as Cd, Max.	mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Coliform, Max.	MPN/100 ml	310	291	150	350	310	340	350	150	291

	TATA STEEL SPECIAL ECONOMIC ZONE LIMITED	GOPALPUR INDUSTRIAL PARK
Noise Monitoring Report		
Location: Near TSSEZL Project Office		
Months	DAY TIME dB(A)	NIGHT TIME dB(A)
Oct-25	62.5	56
Nov-25	63.5	57
Dec-25	64.3	57.5
Jan-26	64.4	57.3
Feb-26	64.5	57.5
Mar-26	64.3	57.4
MAX	64.5	57.5
MIN	61.3	56
AVG	63.9	57.1
Near TSSEZL Main Gate Office		
	DAY TIME LEQ	NIGHT TIME LEQ
Months		
Oct-25	66.1	59.3
Nov-25	67.2	60.3
Dec-25	67.6	61
Jan-26	67.5	61.1
Feb-26	68	61.2
Mar-26	64.4	58.2
MAX	68	61.2
MIN	64.4	58.2
AVG	66.8	60.8



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD. (LAB DIVISION)

AnISO 9001:2015, ISO 45001:2018 & ISO 14001:2015 Certified Company,

Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/060126/A1

Issued Date-06.01.2026

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Project Office gate
Weather Conditions	Clear
Reference No.	CEMC-06012026A1
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
01.12.2025	68.2	36.8	9.12	14.23	0.62	--	--	--	--	--	--	--
04.12.2025	65.4	33.2	10.01	14.98	0.41	--	--	--	--	--	--	--
08.12.2025	67.6	35.4	11.38	15.91	0.76	--	--	--	--	--	--	--
11.12.2025	69.4	38.2	12.86	17.26	0.83	--	--	--	--	--	--	--
15.12.2025	65.8	34.6	10.77	14.18	0.35	--	--	--	--	--	--	--
18.12.2025	64.2	35.8	9.84	13.43	0.48	--	--	--	--	--	--	--
22.12.2025	63.6	34.2	11.12	14.83	0.29	<20	<10	<0.05	<3.2	<0.1	<5	<1
25.12.2025	66.4	37.4	12.71	14.92	0.52	--	--	--	--	--	--	--
29.12.2025	69.8	36.6	10.91	13.68	0.39	--	--	--	--	--	--	--
Avg	66.71	35.80	10.97	14.82	0.52	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part- 2)	IS: 5182 (Part- 6)	IS: 5182 (Part- 10)	IS: 5182 (Part- 25)	IS: 5182 (Part- 9)	IS: 5182 (Part- 22)	IS: 5182 (Part- 26)	As per CPCB method followed by AAS	IS: 5182 (Part- 11)	IS: 5182 (Part- 12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT

BPDal
Authorized Signatory

Seal of Laboratory

Notes:

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E-mail- cemc_consultancy@yahoo.co.in, cemc122@gmail.com, website: www.cemcpl.com

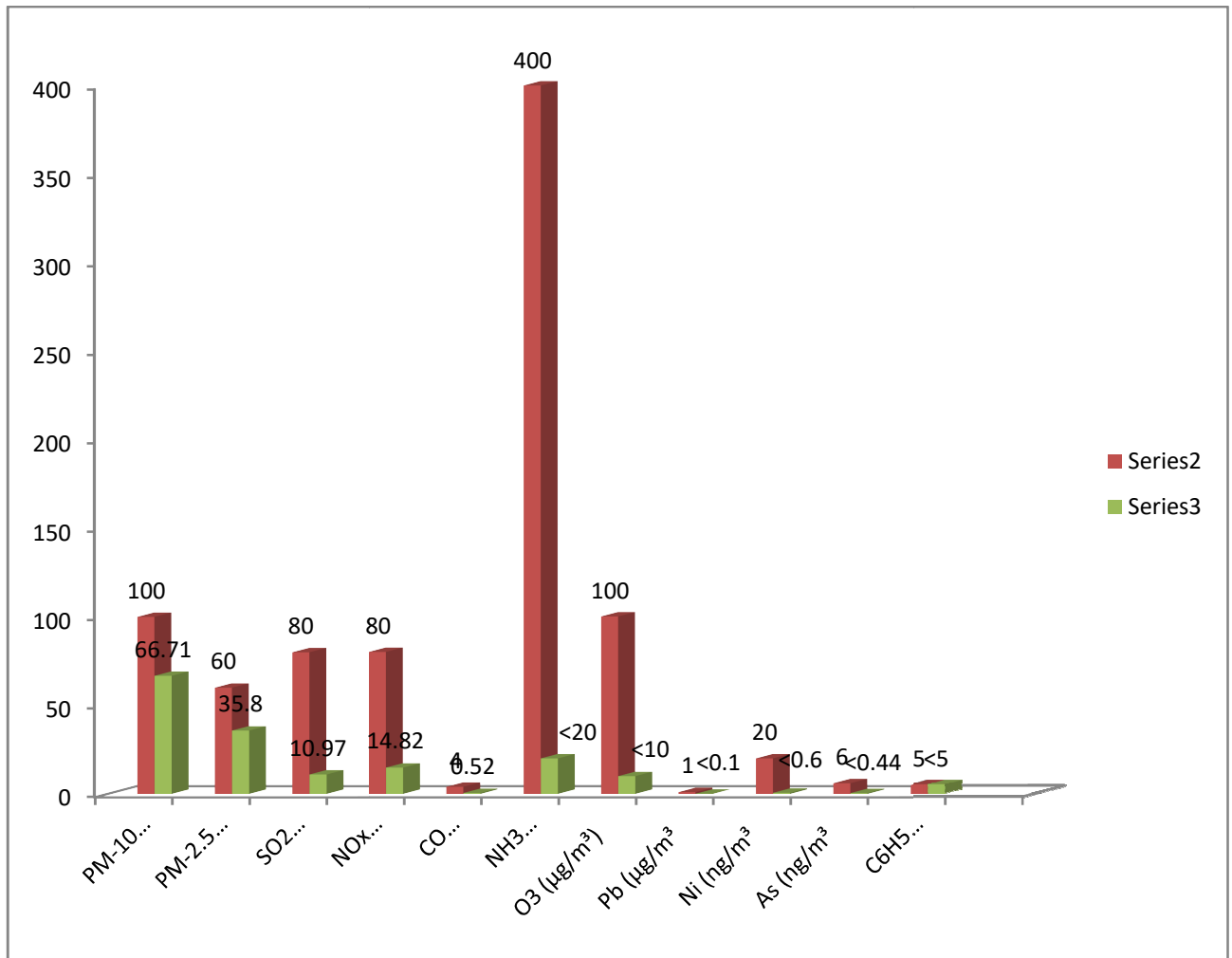
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AnISO 9001:2015, ISO 45001:2018 & ISO 14001:2015 Certified Company,

Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689



This Graph is belongs to Station-01(Near TSSEZL Project Office) For the Month of Dec-25

NB-Series2 –Stands for Standard, Series3 –Stands for Result

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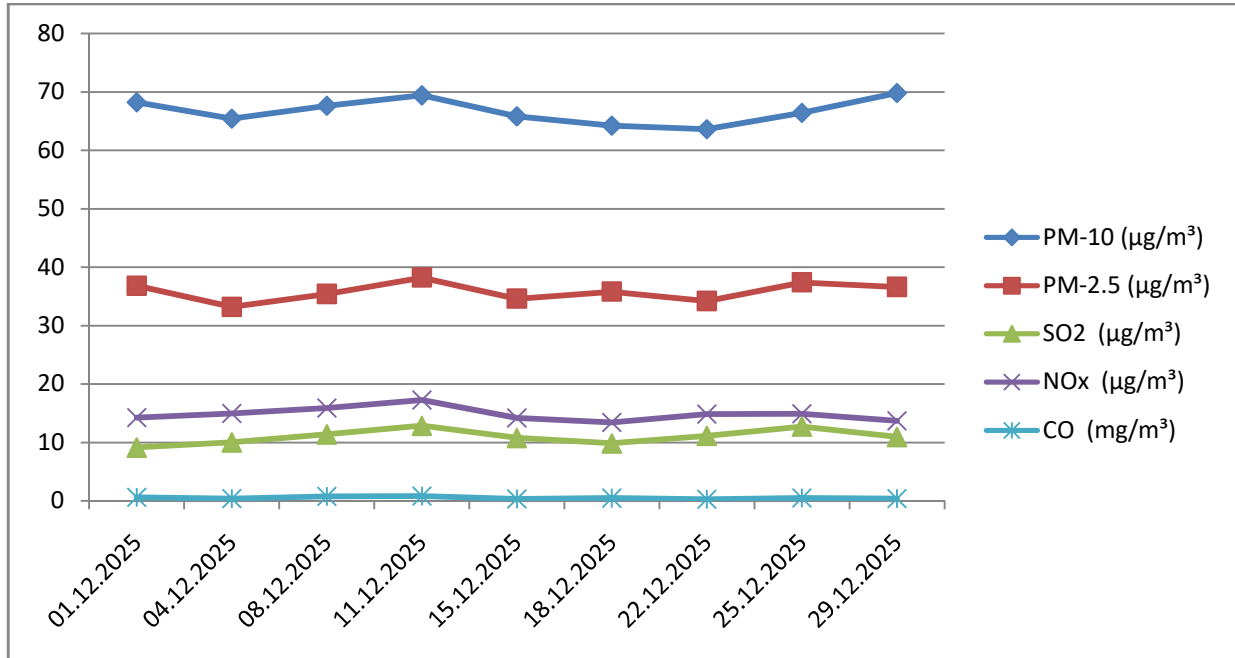
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This Graph is belongs to Station-01(Near TSSEZL Project Office gate) For the Month of Dec-25

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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/060126/A2

Issued Date-06.01.2026

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Crusher
Weather Conditions	Clear
Reference No.	CEMC-06012026A2
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	NH ₃ ($\mu\text{g}/\text{m}^3$)	O ₃ ($\mu\text{g}/\text{m}^3$)	Pb ($\mu\text{g}/\text{m}^3$)	Ni (ng/m^3)	As (ng/m^3)	Benzene ($\mu\text{g}/\text{m}^3$)	BaP (ng/m^3)
01.12.2025	73.6	36.2	13.24	17.28	0.62	--	--	--	--	--	--	--
04.12.2025	69.2	35.4	12.43	16.95	0.71	--	--	--	--	--	--	--
08.12.2025	67.4	37.8	10.91	16.14	0.53	--	--	--	--	--	--	--
11.12.2025	68.8	36.6	12.56	15.76	0.45	--	--	--	--	--	--	--
15.12.2025	72.2	38.1	13.28	17.52	0.66	--	--	--	--	--	--	--
18.12.2025	65.4	34.2	12.83	16.48	0.43	--	--	--	--	--	--	--
22.12.2025	70.6	33.8	14.52	18.32	0.57	<20	<10	<0.05	<3.2	<0.1	<5	<1
25.12.2025	71.8	38.6	12.23	16.71	0.61	--	--	--	--	--	--	--
29.12.2025	74.2	39.2	14.87	17.93	0.78	--	--	--	--	--	--	--
Avg	70.36	36.66	12.99	17.01	0.60	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)	IS: 5182 (Part-25)	IS: 5182 (Part-9)	IS: 5182 (Part-22)	IS: 5182 (Part-26)	As per CPCB method followed by AAS	IS: 5182 (Part-11)	IS: 5182 (Part-12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT

B.P.Das

Authorized Signatory

Seal of Laboratory

Notes:

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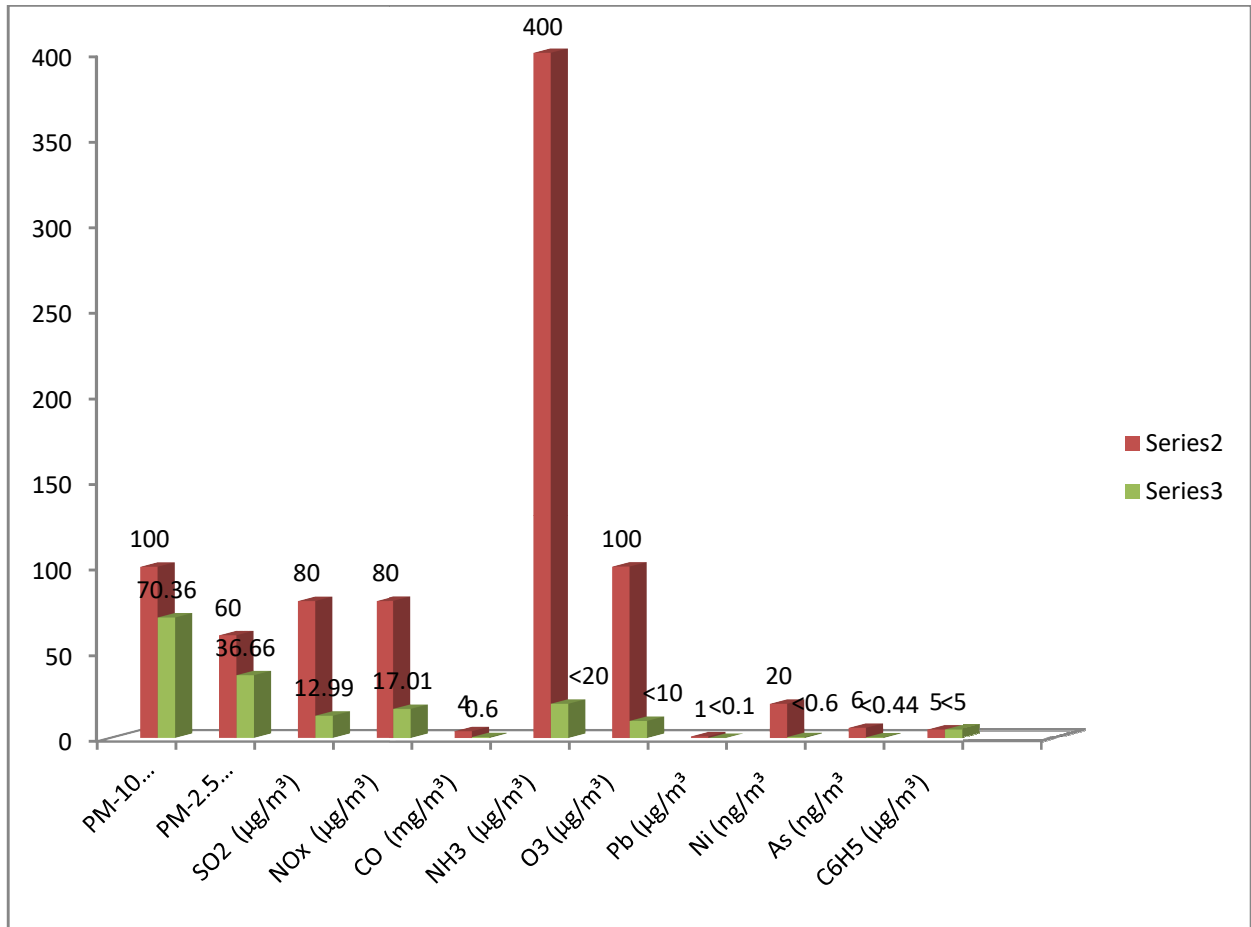
Deals with Environmental Studies (EIA & EMP), Monitoring, Forest Diversion Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS & GIS, Hydrological Studies, Socio-economic Studies, DGPS & ETS Survey.



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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689



This Graph is belongs to Station-02(Near Crusher) For the Month of Dec-25

NB-Series2 –Stands for Standard, Series3 –Stands for Result

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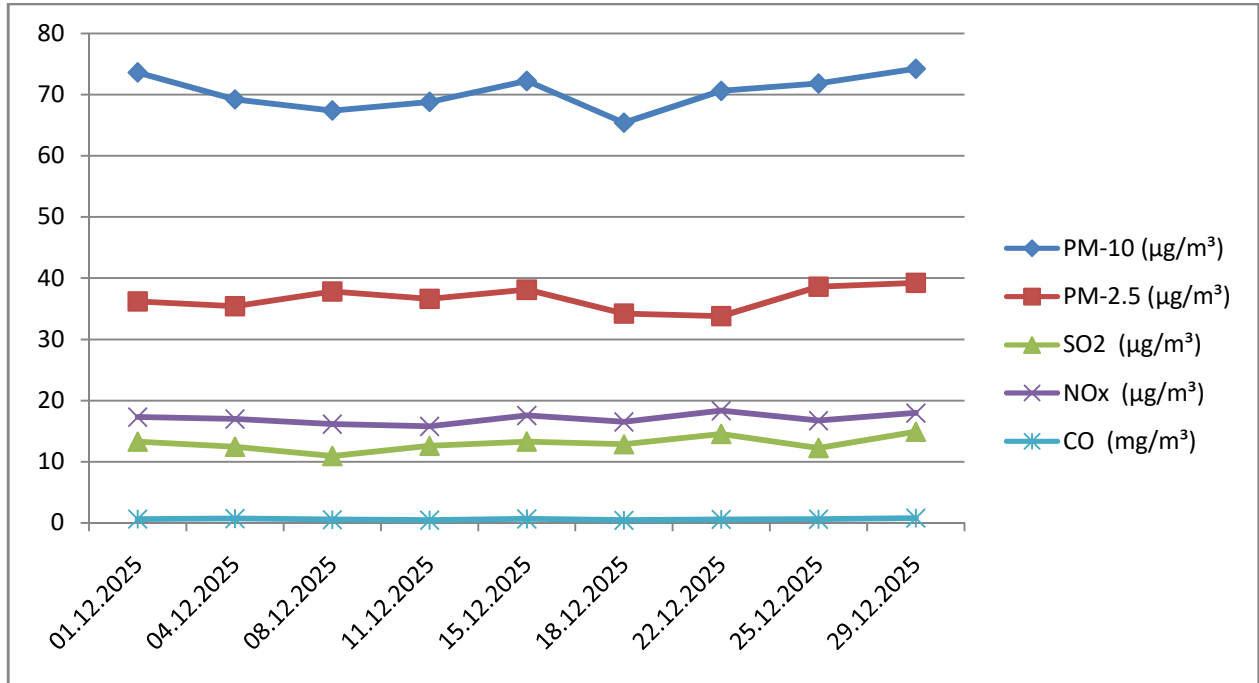
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CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD. (LAB DIVISION)

AnISO 9001:2015, ISO 45001:2018 & ISO 14001:2015 Certified Company,

Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/060126/A3

Issued Date-06.01.2026

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Main Gate (Chamakhandi)
Weather Conditions	Clear
Reference No.	CEMC-06012026A3
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
01.12.2025	71.4	37.6	12.86	17.25	0.81	--	--	--	--	--	--	--
04.12.2025	68.2	34.4	11.24	13.28	0.79	--	--	--	--	--	--	--
08.12.2025	69.6	35.8	11.48	14.12	0.51	--	--	--	--	--	--	--
11.12.2025	72.8	37.2	10.96	16.93	0.46	--	--	--	--	--	--	--
15.12.2025	70.4	35.0	11.64	13.22	0.34	--	--	--	--	--	--	--
18.12.2025	68.2	38.4	12.81	15.96	0.56	--	--	--	--	--	--	--
22.12.2025	71.8	37.8	12.32	17.21	0.94	<20	<10	<0.05	<3.2	<0.1	<5	<1
25.12.2025	65.4	35.2	13.29	14.62	0.73	--	--	--	--	--	--	--
29.12.2025	67.2	36.6	11.86	15.36	0.62	--	--	--	--	--	--	--
Avg	69.44	36.44	12.05	15.33	0.64	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)	IS: 5182 (Part-25)	IS: 5182 (Part-9)	IS: 5182 (Part-22)	IS: 5182 (Part-26)	As per CPCB method followed by AAS	IS: 5182 (Part-11)	IS: 5182 (Part-12)

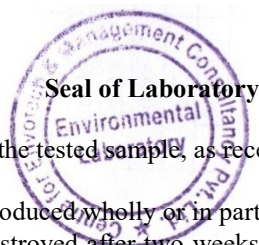
N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT

BPDal
Authorized Signatory

Notes:

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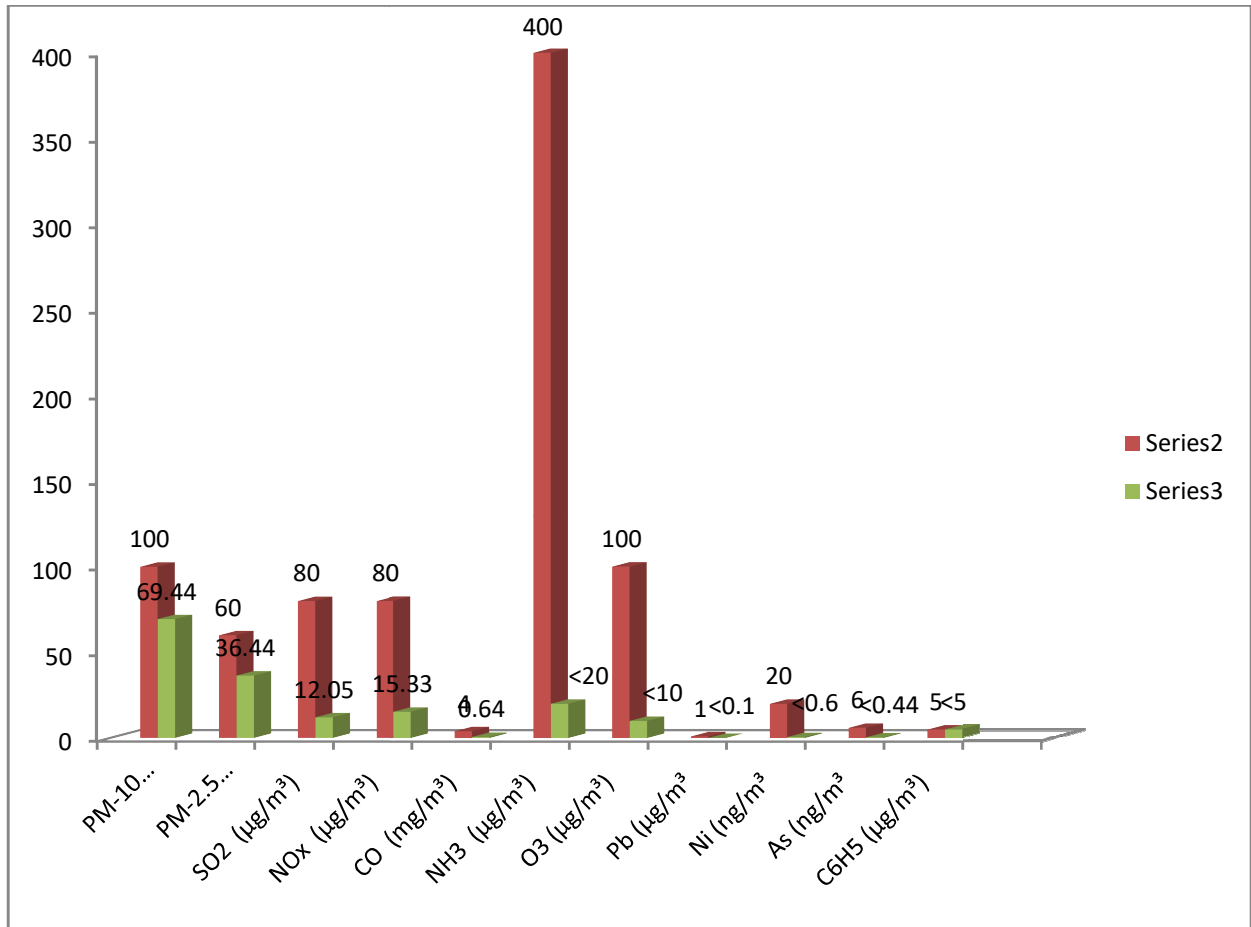
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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689



This Graph is belongs to Station-03(Near Main Gate (Chamakhandi) For the Month of Dec-25

NB-Series2 –Stands for Standard, Series3 –Stands for Result

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E-mail- cemc_consultancy@yahoo.co.in, cemc122@gmail.com, website: www.cemcpl.com

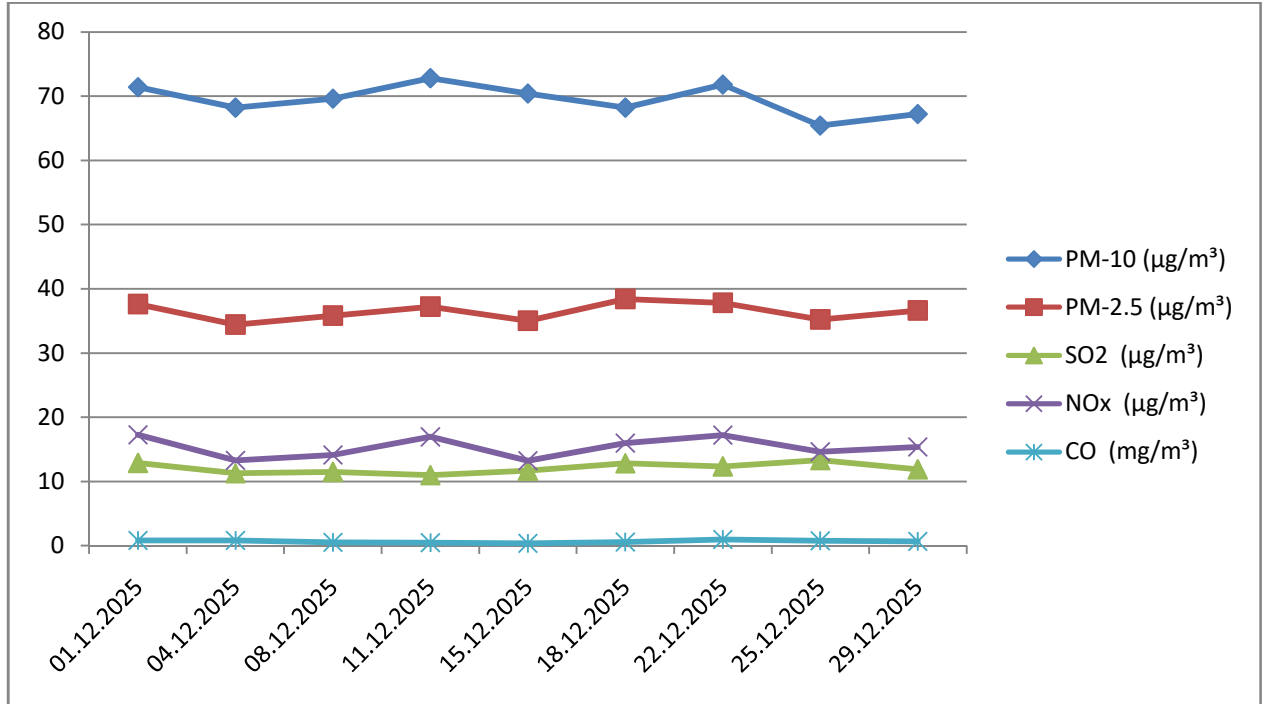
Deals with Environmental Studies (EIA & EMP), Monitoring, Forest Diversion Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS & GIS, Hydrological Studies, Socio-economic Studies, DGPS & ETS Survey.



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This Graph is belongs to Station-03(Near Main Gate (Chamakhandi)) For the Month of Dec-25

CEMC PVT. LTD., NABET(QCI) Accredited Category 'A' Consultant Organization.

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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/060126/A4

Issued Date-06.01.2026

SPECIAL AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Weather Conditions	Clear
Reference No.	CEMC-06012026A4
Instrument Used	Respirable Dust Sampler,

ANALYSIS RESULT

Locations	Date	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
Near Project Office Gate	22.12.2025	<20	<10	<0.05	<3.2	<0.1	<5	<1
Near Crusher	22.12.2025	<20	<10	<0.05	<3.2	<0.1	<5	<1
Near Main Gate(Chamakhandi)	22.12.2025	<20	<10	<0.05	<3.2	<0.1	<5	<1
NAAQ* Standard		400	100	1.0	20	6	5	1
Methods of Analysis		IS: 5182 (Part-25)	IS: 5182 (Part-9)	IS: 5182 (Part-22)	IS: 5182 (Part-26)	As per CPCB method followed by AAS	IS: 5182 (Part-11)	IS: 5182 (Part-12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT


Authorized Signatory

Seal of Laboratory

Notes:

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AnISO 9001:2015, ISO 45001:2018 & ISO 14001:2015 Certified Company,

Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/060126/W1

Issued Date-06.01.2026

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 22.12.2025
Sampling by : Mr. R.N Das
Date of Sample Received : 23.12.2025
Date of Analysis : 23.12.2025 to 03.01.2026
Sample Location : Khari Nalla, Up stream(SW1)
Reference No. : CEMC-06012026W1

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW1
1	Colour, Max.	Hazen	300	15
2	pH Value @ 25°C	--	6.5 to 8.5	7.12
3	Turbidity	NTU	--	4.2
4	Total Suspended Solids	mg/l	--	20.2
5	Iron as Fe, Max.	mg/l	50	0.19
6	Chloride as Cl, Max.	mg/l	600	32.9
7	Dissolved Solids, Max.	mg/l	1500	186
8	Dissolved Oxygen, Min.	mg/l	4	5.8
9	BOD for 3 days@ 27 ⁰ C, Max.	mg/l	3	<2.0
10	Oil & Grease, Max.	mg/l	0.1	ND
11	Copper as Cu, Max.	mg/l	1.5	<0.03
12	Sulphate as SO ₄ , Max.	mg/l	400	23.6
13	Nitrate as NO ₃ , Max.	mg/l	50	3.4
14	Fluoride as F, Max.	mg/l	1.5	0.23
15	Anionic detergent	mg/l	1	ND
16	Cadmium as Cd, Max.	mg/l	0.01	<0.003
17	Selenium as Se, Max.	mg/l	0.05	<0.001
18	Arsenic as As, Max.	mg/l	0.2	<0.001
19	Cyanide as CN, Max.	mg/l	0.05	ND
20	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
21	Lead as Pb, Max.	mg/l	0.1	<0.01
22	Zinc as Zn, Max.	mg/l	15	<0.05
23	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
24	Total Coliform, Max.	MPN/100ml	5000	150
25	Faecal Coliform	MPN/100ml	--	12

, MPN-Most Probable Number

Authorized Signatory

Seal of Laboratory

END OF REPORT

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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/060126/W2

Issued Date-06.01.2026

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 22.12.2025
Sampling by : Mr. R.N Das
Date of Sample Received : 23.12.2025
Date of Analysis : 23.12.2025 to 03.01.2026
Sample Description : Surface Water
Sample Location : Khari Nalla, Down Stream(SW2)
Reference No. :CEMC-06012026W2

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW2
1	Colour, Max.	Hazen	300	20
2	pH Value @ 25°C	--	6.5 to 8.5	7.38
3	Turbidity	NTU	--	8.6
4	Total Suspended Solids	mg/l	--	29.4
5	Iron as Fe, Max.	mg/l	50	0.38
6	Chloride as Cl, Max.	mg/l	600	40.9
7	Dissolved Solids, Max.	mg/l	1500	194
8	Dissolved Oxygen, Min.	mg/l	4	5.7
9	BOD for 3 days@ 27 ⁰ C, Max.	mg/l	3	<2.0
10	Oil & Grease, Max.	mg/l	0.1	ND
11	Copper as Cu, Max.	mg/l	1.5	<0.03
12	Sulphate as SO ₄ , Max.	mg/l	400	30.1
13	Nitrate as NO ₃ , Max.	mg/l	50	4.6
14	Fluoride as F, Max.	mg/l	1.5	0.27
15	Anionic detergent	mg/l	1	ND
16	Cadmium as Cd, Max.	mg/l	0.01	<0.003
17	Selenium as Se, Max.	mg/l	0.05	<0.001
18	Arsenic as As, Max.	mg/l	0.2	<0.001
19	Cyanide as CN, Max.	mg/l	0.05	ND
20	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
21	Lead as Pb, Max.	mg/l	0.1	<0.01
22	Zinc as Zn, Max.	mg/l	15	<0.05
23	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
24	Total Coliform, Max.	MPN/100ml	5000	310
25	Faecal Coliform	MPN/100ml	--	17

NB: ND- Not Detectable, MPN-Most Probable Number

END OF REPORT

Authorized Signatory

Seal of Laboratory

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Report No. - CEMC/ TSSEZL /060126/N

Issued Date-06.01.2026

Name & Address of the Client	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur
Reference No.	CEMC-06012026N
Nature of Sampling	Noise Monitoring
Sampling By	Mr. R.N Das
Instrument Used	Noise Level Meter
Sampling Period	24 Hours

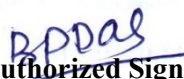
NOISE MONITORING REPORT

Date of Sampling	Locations	NL Day Time dB (A)			NL Night Time dB (A)		
		Max	Min.	Avg.	Max.	Min.	Avg.
22.12.2025	Near Project office	67.2	61.4	64.3	60.2	54.8	57.5
22.12.2025	Near main gate(Chamakhandi)	69.4	65.8	67.6	63.4	58.6	61.0

End of Report

NATIONAL STANDARD NOISE LEVEL

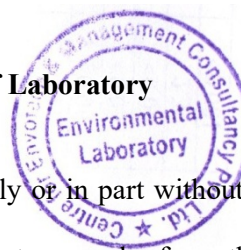
Area Code	Category of Area/Zone	Permissible Limit in dB (A)	
		Day Time	Night Time
A	Industrial Area*	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40


Authorized Signatory

Seal of Laboratory

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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/030326/A1

Issued Date-03.03.2026

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Project Office gate
Weather Conditions	Clear
Reference No.	CEMC-03032026A1
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
02.02.2026	72.8	40.4	9.63	15.13	0.71	--	--	--	--	--	--	--
05.02.2026	70.4	38.6	10.42	15.42	0.58	--	--	--	--	--	--	--
09.02.2026	71.6	39.2	10.74	15.61	0.65	--	--	--	--	--	--	--
12.02.2026	73.2	42.8	12.16	16.48	0.73	--	--	--	--	--	--	--
16.02.2026	69.4	37.9	11.63	15.26	0.56	--	--	--	--	--	--	--
23.02.2026	68.6	38.2	10.78	14.43	0.62	<20	<10	<0.05	<3.2	<0.1	<5	<1
26.02.2026	69.9	39.8	11.45	13.86	0.54	--	--	--	--	--	--	--
Avg	70.84	39.56	10.97	15.17	0.63	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)	IS: 5182 (Part-25)	IS: 5182 (Part-9)	IS: 5182 (Part-22)	IS: 5182 (Part-26)	As per CPCB method followed by AAS	IS: 5182 (Part-11)	IS: 5182 (Part-12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

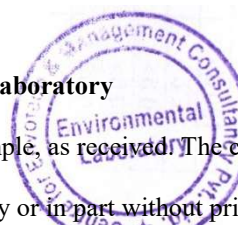
END OF REPORT

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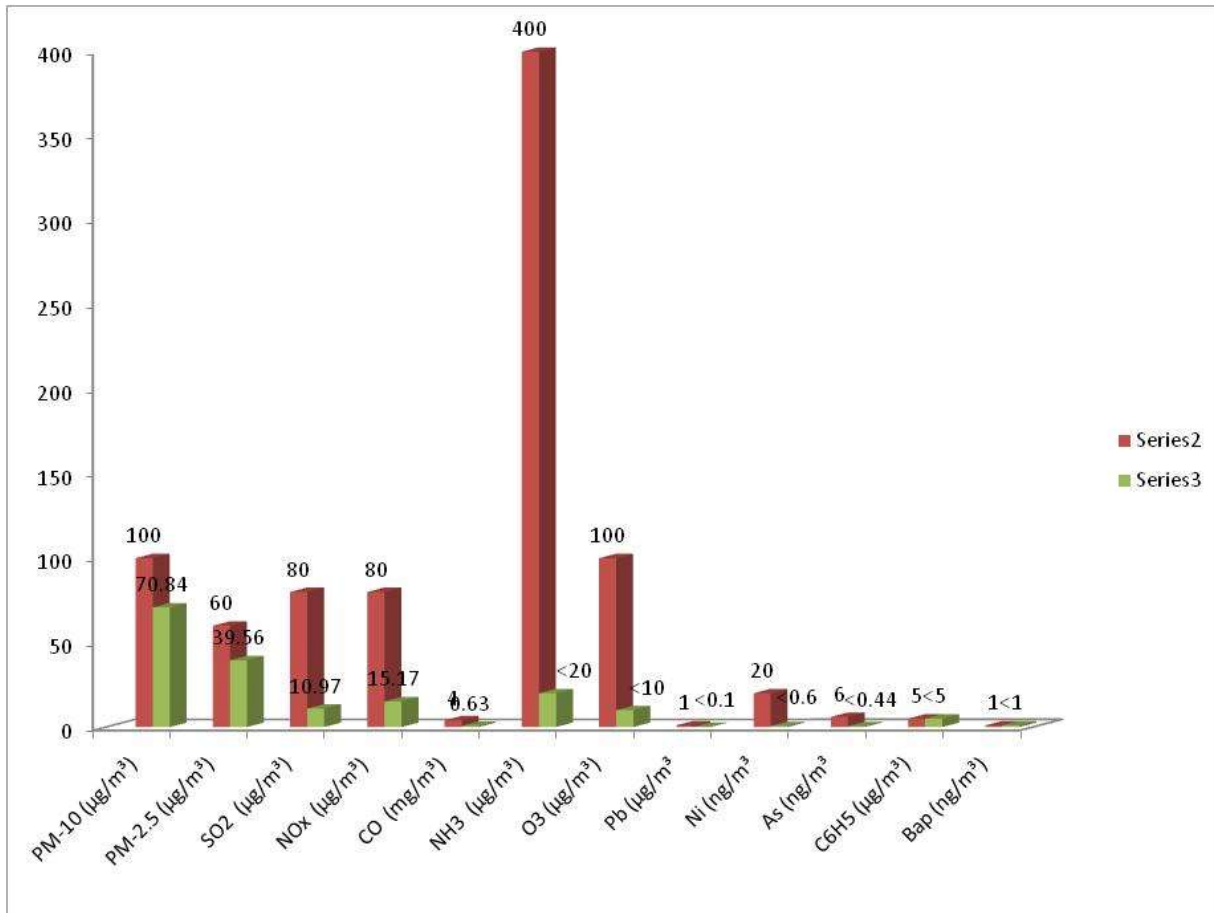
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This Graph is belongs to Station-01(Near TSSEZL Project Office) For the Month of Feb-26

NB-Series2 –Stands for Standard, Series3 –Stands for Result

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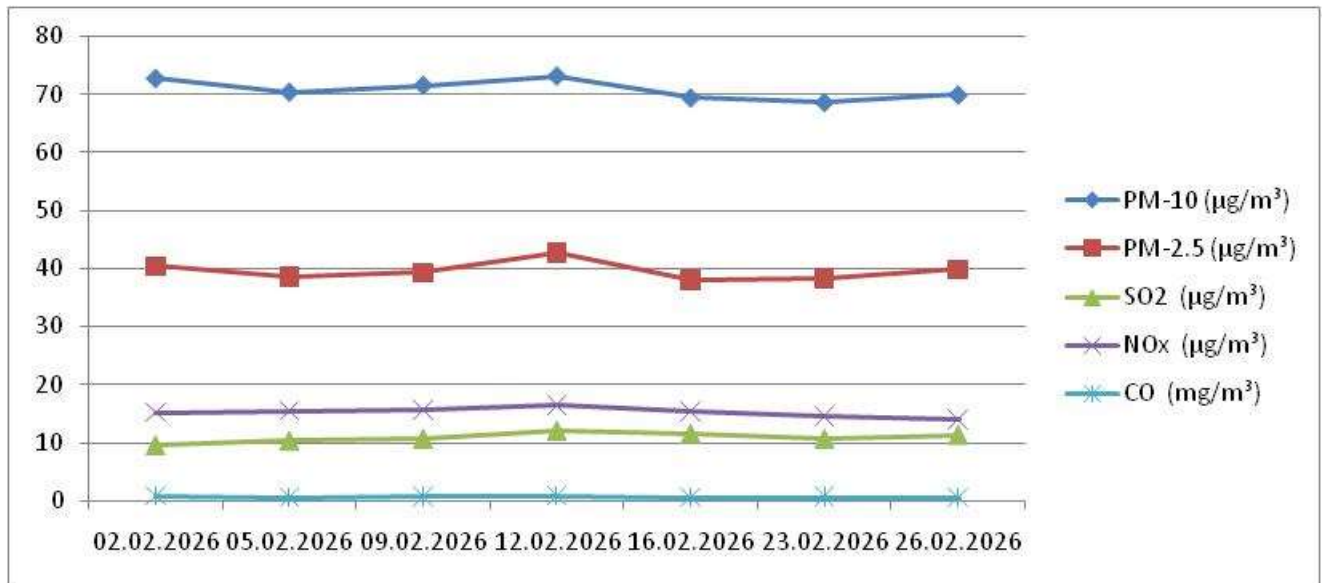
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This Graph is belongs to Station-01(Near TSSEZL Project Office gate) For the Month of Feb-26

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Report no.-CEMC/TSSEZL/030326/A2

Issued Date-03.03.2026

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Crusher
Weather Conditions	Clear
Reference No.	CEMC-03032026A2
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
02.02.2026	77.2	42.6	15.12	18.24	0.83	--	--	--	--	--	--	--
05.02.2026	75.4	41.8	14.26	17.81	0.77	--	--	--	--	--	--	--
09.02.2026	74.6	43.4	13.64	17.63	0.71	--	--	--	--	--	--	--
12.02.2026	76.2	42.2	14.36	17.52	0.81	--	--	--	--	--	--	--
16.02.2026	75.9	43.8	14.84	18.68	0.86	--	--	--	--	--	--	--
23.02.2026	72.6	39.6	13.68	17.24	0.68	<20	<10	<0.05	<3.2	<0.1	<5	<1
26.02.2026	74.2	38.4	14.61	18.32	0.77	--	--	--	--	--	--	--
Avg	75.16	41.69	14.36	17.92	0.78	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part- 2)	IS: 5182 (Part- 6)	IS: 5182 (Part- 10)	IS: 5182 (Part- 25)	IS: 5182 (Part- 9)	IS: 5182 (Part- 22)	IS: 5182 (Part- 26)	As per CPCB method followed by AAS	IS: 5182 (Part- 11)	IS: 5182 (Part- 12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT

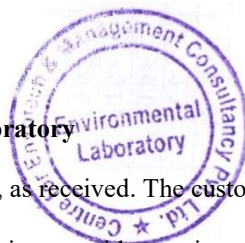
BPDAS

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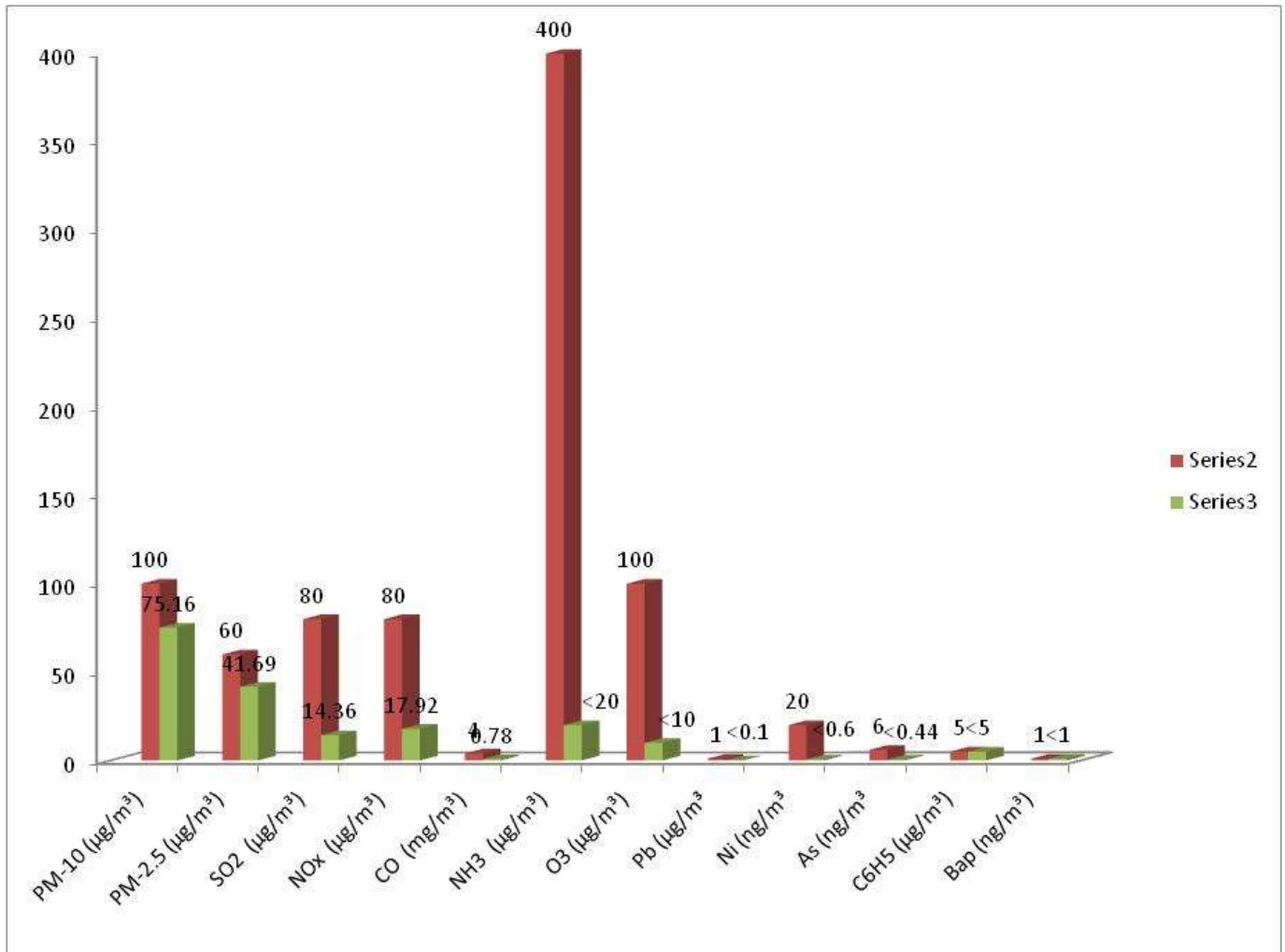
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This Graph is belongs to Station-02(Near Crusher) For the Month of Feb-26

NB-Series2 –Stands for Standard, Series3 –Stands for Result

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E-mail- cemc_consultancy@yahoo.co.in, cemc122@gmail.com, website: www.cemcpl.com

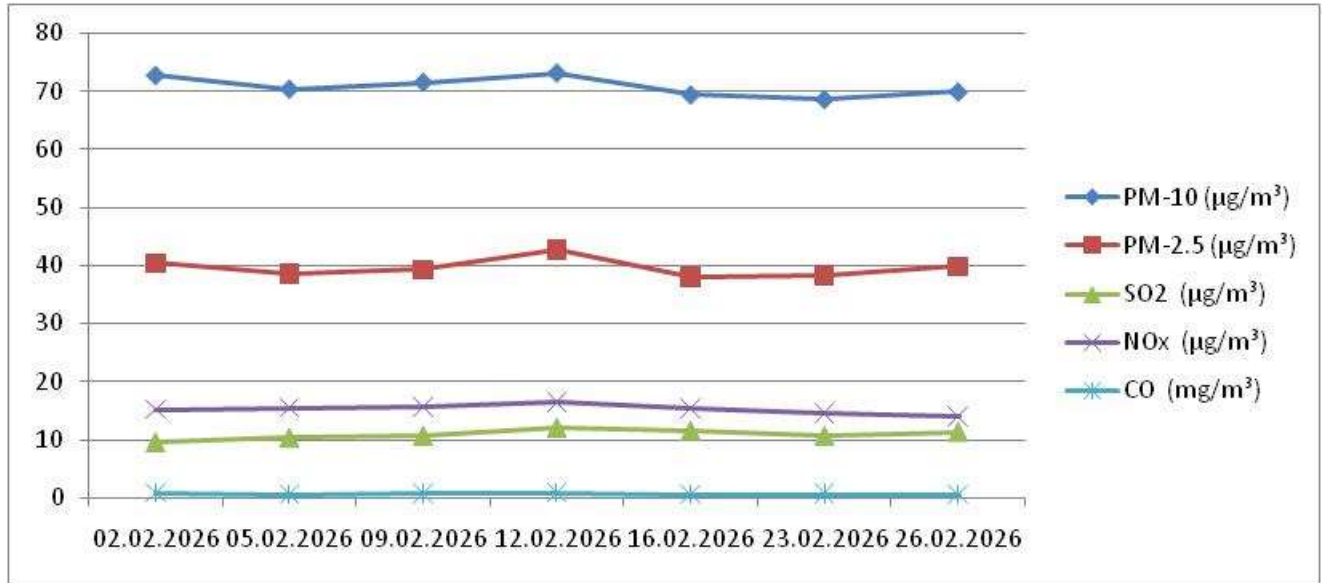
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This Graph is belongs to Station-02(Near Crusher) For the Month of Feb-26

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Report no.-CEMC/TSSEZL/030326/A3

Issued Date-03.03.2026

AMBIENT AIR QUALITY MONITORING TEST REPORT

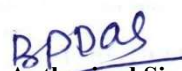
Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Main Gate (Chamakhandi)
Weather Conditions	Clear
Reference No.	CEMC-03032026A3
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
02.02.2026	75.8	41.2	13.86	17.63	0.87	--	--	--	--	--	--	--
05.02.2026	73.6	40.8	13.72	16.86	0.84	--	--	--	--	--	--	--
09.02.2026	74.4	39.6	13.14	17.91	0.91	--	--	--	--	--	--	--
12.02.2026	76.2	42.4	13.86	18.57	0.82	--	--	--	--	--	--	--
16.02.2026	72.6	39.1	13.45	17.42	0.71	--	--	--	--	--	--	--
23.02.2026	73.4	41.6	13.36	16.88	0.81	<20	<10	<0.05	<3.2	<0.1	<5	<1
26.02.2026	74.8	43.2	14.21	18.54	0.76	--	--	--	--	--	--	--
Avg	74.40	41.13	13.66	17.69	0.82	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part- 2)	IS: 5182 (Part- 6)	IS: 5182 (Part- 10)	IS: 5182 (Part- 25)	IS: 5182 (Part- 9)	IS: 5182 (Part- 22)	IS: 5182 (Part- 26)	As per CPCB method followed by AAS	IS: 5182 (Part- 11)	IS: 5182 (Part- 12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT


Authorized Signatory

Notes:

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Seal of Laboratory

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Regd. Office: Plot No. 522/3458, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- cemc_consultancy@yahoo.co.in, cemc122@gmail.com, website: www.cemcpl.com

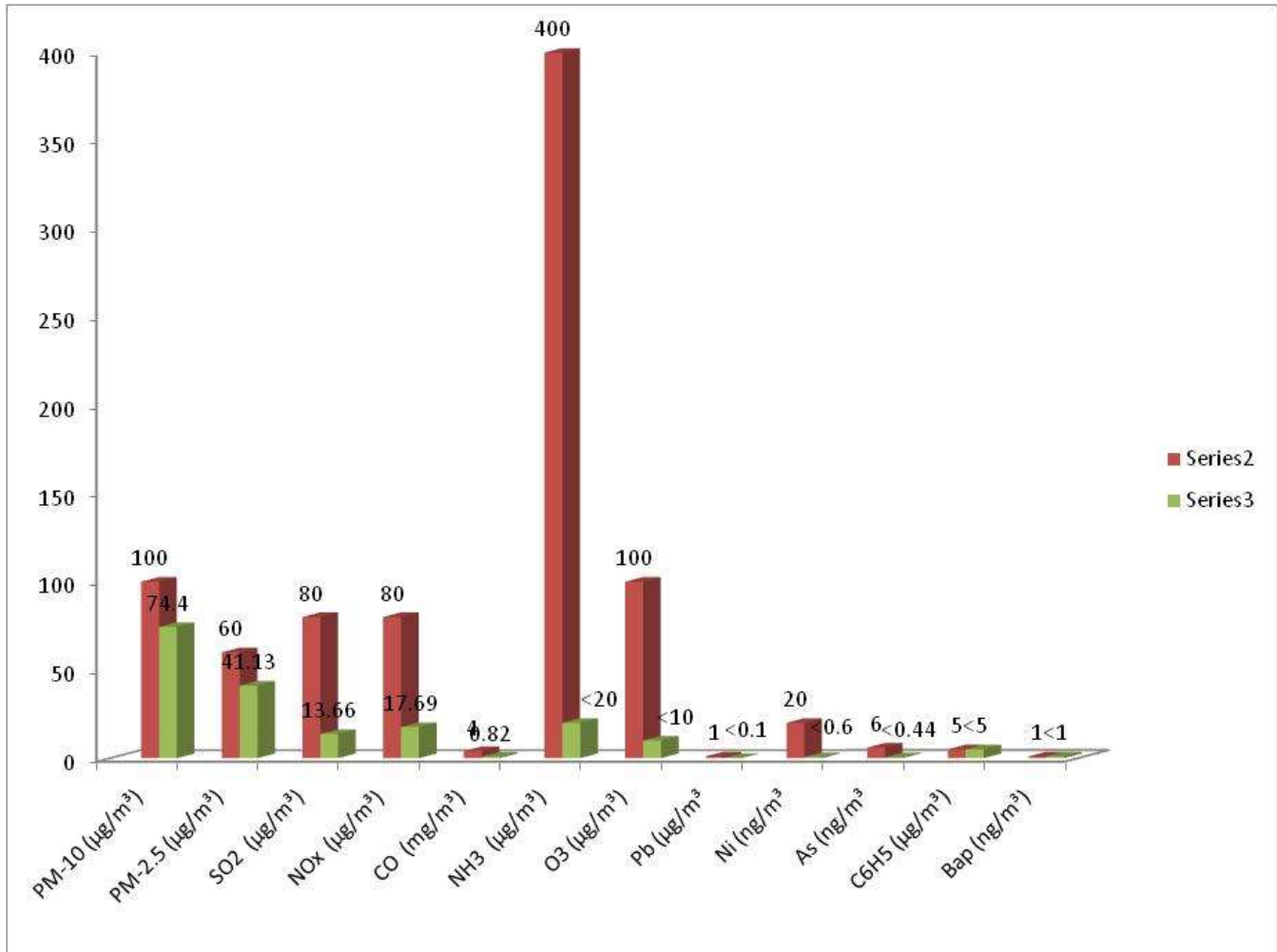
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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689



This Graph is belongs to Station-03(Near Main Gate (Chamakhandi) For the Month of Feb-26

NB-Series2 –Stands for Standard, Series3 –Stands for Result

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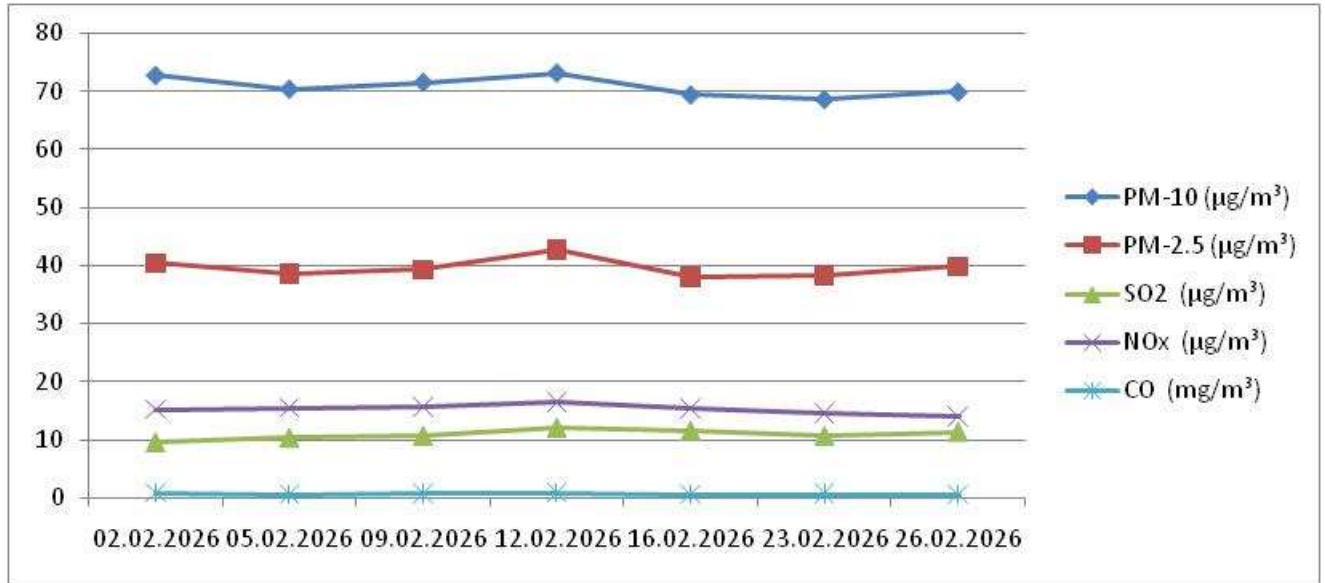
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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/030326/A4

Issued Date-03.03.2026

SPECIAL AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Weather Conditions	Clear
Reference No.	CEMC-03032026A4
Instrument Used	Respirable Dust Sampler,

ANALYSIS RESULT

Locations	Date	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
Near Project Office Gate	23.02.2026	<20	<10	<0.05	<3.2	<0.1	<5	<1
Near Crusher	23.02.2026	<20	<10	<0.05	<3.2	<0.1	<5	<1
Near Main Gate(Chamakhandi)	23.02.2026	<20	<10	<0.05	<3.2	<0.1	<5	<1
NAAQ* Standard		400	100	1.0	20	6	5	1
Methods of Analysis		IS: 5182 (Part-25)	IS: 5182 (Part-9)	IS: 5182 (Part-22)	IS: 5182 (Part-26)	As per CPCB method followed by AAS	IS: 5182 (Part-11)	IS: 5182 (Part-12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT


Authorized Signatory

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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/030326/W1

Issued Date-03.03.2026

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 23.02.2026
Sampling by : Mr. R.N Das
Date of Sample Received : 24.02.2026
Date of Analysis : 24.02.2026 to 02.03.2026
Sample Location : Khari Nalla, Up stream(SW1)
Reference No. : CEMC-03032026W1

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW1
1	Colour, Max.	Hazen	300	15
2	pH Value @ 25°C	--	6.5 to 8.5	7.41
3	Turbidity	NTU	--	4.2
4	Total Suspended Solids	mg/l	--	21.4
5	Iron as Fe, Max.	mg/l	50	0.26
6	Chloride as Cl, Max.	mg/l	600	36.9
7	Dissolved Solids, Max.	mg/l	1500	204
8	Dissolved Oxygen, Min.	mg/l	4	5.8
9	BOD for 3 days@ 27 ⁰ C, Max.	mg/l	3	<2.0
10	Oil & Grease, Max.	mg/l	0.1	ND
11	Copper as Cu, Max.	mg/l	1.5	<0.03
12	Sulphate as SO ₄ , Max.	mg/l	400	24.8
13	Nitrate as NO ₃ , Max.	mg/l	50	4.9
14	Fluoride as F, Max.	mg/l	1.5	0.26
15	Anionic detergent	mg/l	1	ND
16	Cadmium as Cd, Max.	mg/l	0.01	<0.003
17	Selenium as Se, Max.	mg/l	0.05	<0.001
18	Arsenic as As, Max.	mg/l	0.2	<0.001
19	Cyanide as CN, Max.	mg/l	0.05	ND
20	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
21	Lead as Pb, Max.	mg/l	0.1	<0.01
22	Zinc as Zn, Max.	mg/l	15	<0.05
23	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
24	Total Coliform, Max.	MPN/100ml	5000	170
25	Faecal Coliform	MPN/100ml	--	11

, MPN-Most Probable Number

Authorized Signatory

Seal of Laboratory

END OF REPORT

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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/030326/W2

Issued Date-03.03.2026

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 23.02.2026
Sampling by : Mr. R.N Das
Date of Sample Received : 24.02.2026
Date of Analysis : 24.02.2026 to 02.03.2026
Sample Description : Surface Water
Sample Location : Khari Nalla, Down Stream(SW2)
Reference No. :CEMC-03032026W2

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW2
1	Colour, Max.	Hazen	300	20
2	pH Value @ 25°C	--	6.5 to 8.5	7.34
3	Turbidity	NTU	--	8.2
4	Total Suspended Solids	mg/l	--	28.6
5	Iron as Fe, Max.	mg/l	50	0.46
6	Chloride as Cl, Max.	mg/l	600	43.9
7	Dissolved Solids, Max.	mg/l	1500	210
8	Dissolved Oxygen, Min.	mg/l	4	5.7
9	BOD for 3 days@ 27°C, Max.	mg/l	3	<2.0
10	Oil & Grease, Max.	mg/l	0.1	ND
11	Copper as Cu, Max.	mg/l	1.5	<0.03
12	Sulphate as SO ₄ , Max.	mg/l	400	31.4
13	Nitrate as NO ₃ , Max.	mg/l	50	5.6
14	Fluoride as F, Max.	mg/l	1.5	0.3
15	Anionic detergent	mg/l	1	ND
16	Cadmium as Cd, Max.	mg/l	0.01	<0.003
17	Selenium as Se, Max.	mg/l	0.05	<0.001
18	Arsenic as As, Max.	mg/l	0.2	<0.001
19	Cyanide as CN, Max.	mg/l	0.05	ND
20	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
21	Lead as Pb, Max.	mg/l	0.1	<0.01
22	Zinc as Zn, Max.	mg/l	15	<0.05
23	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
24	Total Coliform, Max.	MPN/100ml	5000	310
25	Faecal Coliform	MPN/100ml	--	17

NB: ND- Not Detectable, MPN-Most Probable Number

END OF REPORT

Authorized Signatory

Seal of Laboratory

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Report No. - CEMC/ TSSEZL /030326/N

Issued Date-03.03.2026

Name & Address of the Client	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur
Reference No.	CEMC-03032026N
Nature of Sampling	Noise Monitoring
Sampling By	Mr. R.N Das
Instrument Used	Noise Level Meter
Sampling Period	24 Hours

NOISE MONITORING REPORT

Date of Sampling	Locations	NL Day Time dB (A)			NL Night Time dB (A)		
		Max	Min.	Avg.	Max.	Min.	Avg.
23.02.2026	Near Project office	67.4	61.6	64.5	60.2	54.8	57.5
23.02.2026	Near main gate (Chamakhandi)	70.2	65.8	68	63.8	58.6	61.2

End of Report

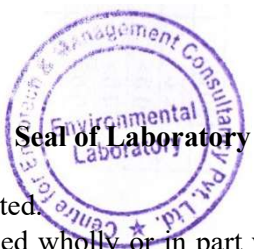
NATIONAL STANDARD NOISE LEVEL

Area Code	Category of Area/Zone	Permissible Limit in dB (A)	
		Day Time	Night Time
A	Industrial Area*	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40


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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/020226/A1

Issued Date-02.02.2026

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Project Office gate
Weather Conditions	Clear
Reference No.	CEMC-02022026A1
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
01.01.2026	70.4	38.2	9.42	14.81	0.68	--	--	--	--	--	--	--
05.01.2026	68.8	36.4	10.32	15.14	0.52	--	--	--	--	--	--	--
08.01.2026	69.6	37.8	10.94	15.83	0.67	--	--	--	--	--	--	--
12.01.2026	71.4	40.4	13.43	17.58	0.86	--	--	--	--	--	--	--
15.01.2026	67.8	35.6	11.14	14.56	0.49	--	--	--	--	--	--	--
19.01.2026	66.6	36.2	10.18	13.92	0.51	--	--	--	--	--	--	--
22.01.2026	65.7	35.4	10.03	13.59	0.42	<20	<10	<0.05	<3.2	<0.1	<5	<1
27.01.2026	68.6	39.6	12.24	15.11	0.81	--	--	--	--	--	--	--
30.01.2026	71.8	41.2	13.52	16.89	0.88	--	--	--	--	--	--	--
Avg	68.97	37.87	11.25	15.27	0.65	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part- 2)	IS: 5182 (Part- 6)	IS: 5182 (Part- 10)	IS: 5182 (Part- 25)	IS: 5182 (Part- 9)	IS: 5182 (Part- 22)	IS: 5182 (Part- 26)	As per CPCB method followed by AAS	IS: 5182 (Part- 11)	IS: 5182 (Part- 12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT

B.P.Dal
Authorized Signatory

Seal of Laboratory

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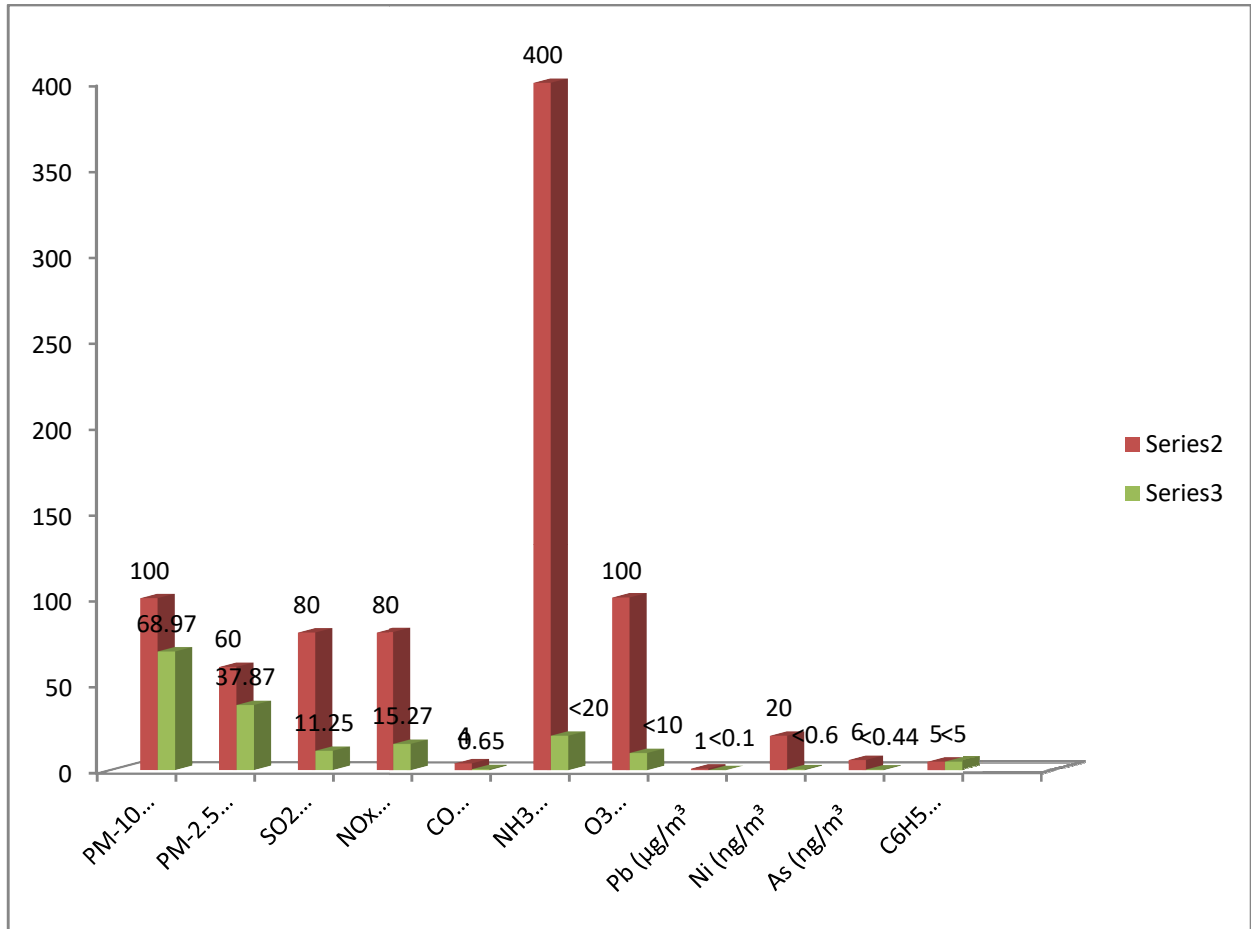
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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689



This Graph is belongs to Station-01(Near TSSEZL Project Office) For the Month of Jan-26

NB-Series2 –Stands for Standard, Series3 –Stands for Result

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Regd. Office: Plot No. 522/3458, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- cemc_consultancy@yahoo.co.in, cemc122@gmail.com, website: www.cemcpl.com

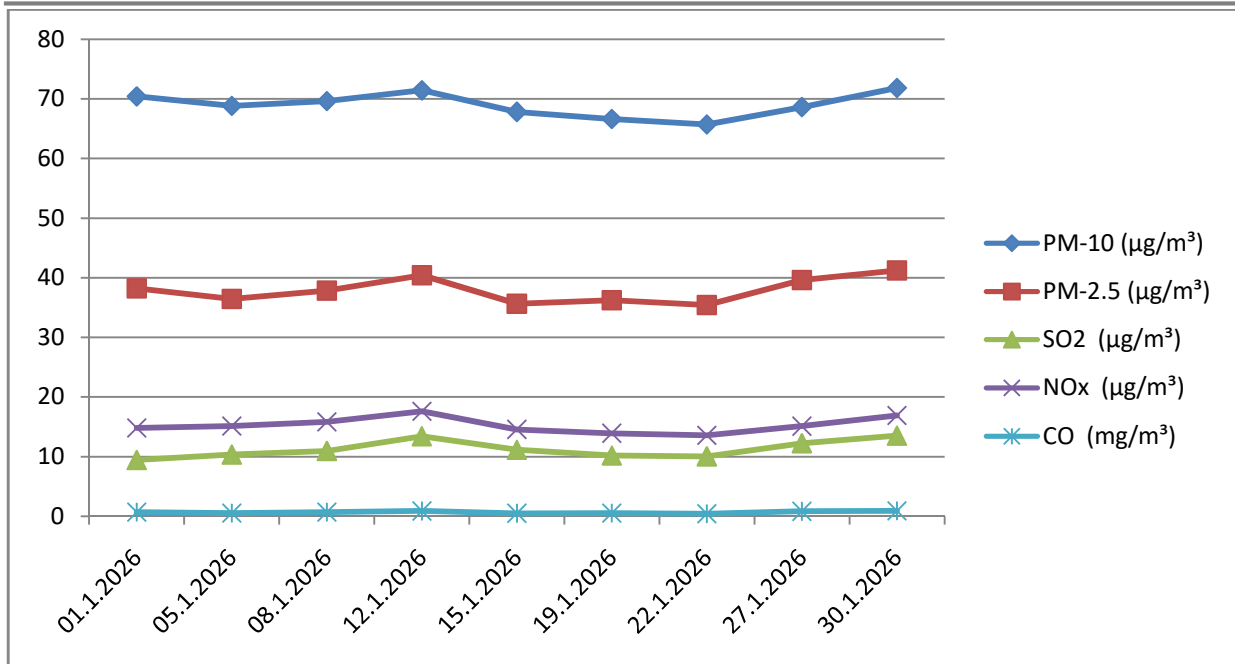
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This Graph is belongs to Station-01(Near TSSEZL Project Office gate) For the Month of Jan-26

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Report no.-CEMC/TSSEZL/020226/A2

Issued Date-02.02.2026

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Crusher
Weather Conditions	Clear
Reference No.	CEMC-02022026A2
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	NH ₃ ($\mu\text{g}/\text{m}^3$)	O ₃ ($\mu\text{g}/\text{m}^3$)	Pb ($\mu\text{g}/\text{m}^3$)	Ni (ng/m^3)	As (ng/m^3)	Benzene ($\mu\text{g}/\text{m}^3$)	BaP (ng/m^3)
01.01.2026	75.4	39.4	14.72	17.82	0.72	--	--	--	--	--	--	--
05.01.2026	71.6	38.6	13.64	17.25	0.81	--	--	--	--	--	--	--
08.01.2026	70.8	39.1	12.56	16.91	0.67	--	--	--	--	--	--	--
12.01.2026	72.6	40.2	13.81	16.72	0.75	--	--	--	--	--	--	--
15.01.2026	73.4	41.5	14.32	18.43	0.83	--	--	--	--	--	--	--
19.01.2026	68.2	37.2	13.14	16.87	0.58	--	--	--	--	--	--	--
22.01.2026	71.4	36.8	13.89	17.92	0.72	<20	<10	<0.05	<3.2	<0.1	<5	<1
27.01.2026	72.2	41.6	14.58	18.23	0.86	--	--	--	--	--	--	--
30.01.2026	73.8	42.1	15.13	18.46	0.91	--	--	--	--	--	--	--
Avg	72.16	39.61	13.98	17.62	0.76	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part- 2)	IS: 5182 (Part- 6)	IS: 5182 (Part- 10)	IS: 5182 (Part- 25)	IS: 5182 (Part- 9)	IS: 5182 (Part- 22)	IS: 5182 (Part- 26)	As per CPCB method followed by AAS	IS: 5182 (Part- 11)	IS: 5182 (Part- 12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT


Authorized Signatory

Seal of Laboratory

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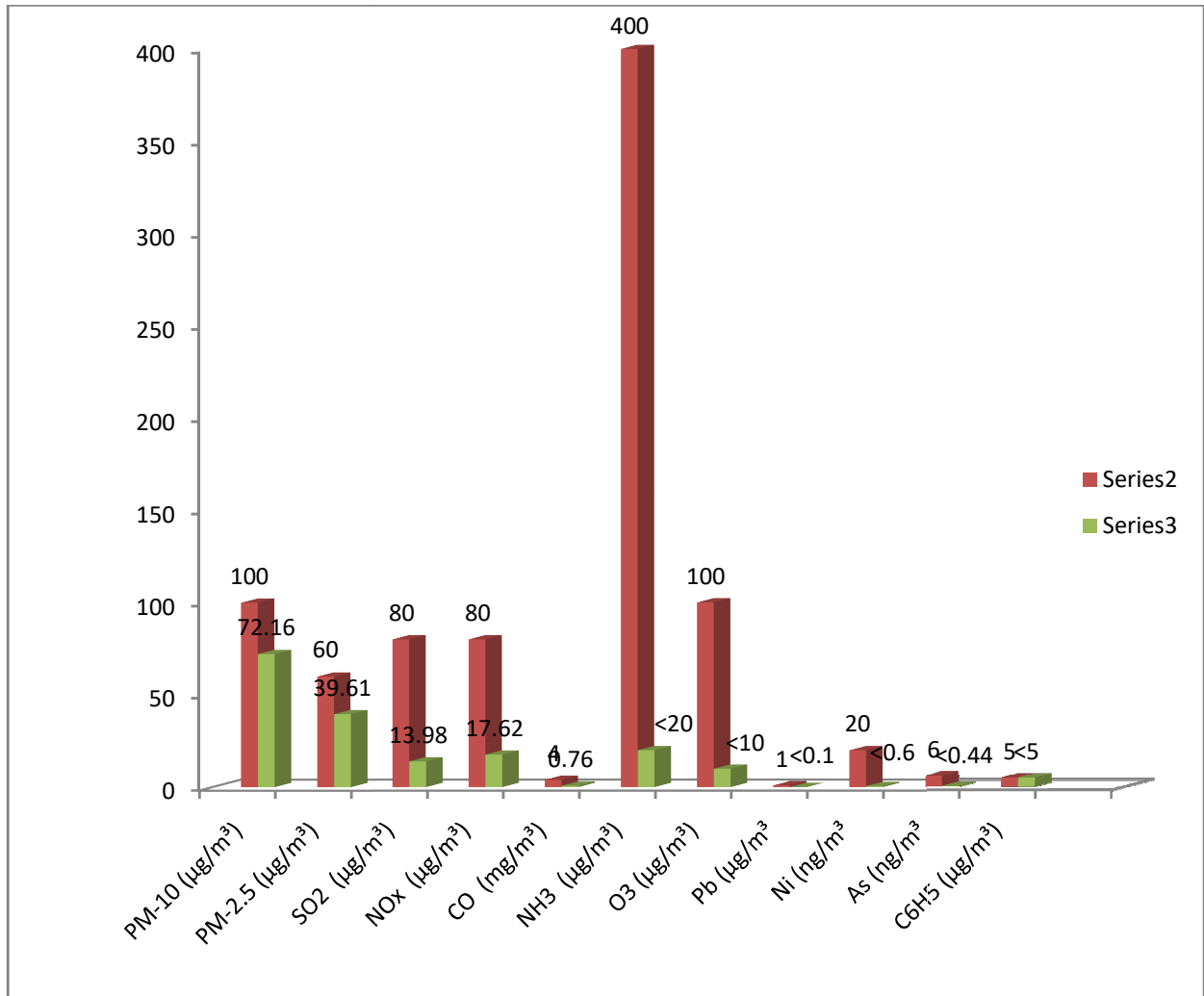
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This Graph is belongs to Station-02(Near Crusher) For the Month of Jan-26

NB-Series2 –Stands for Standard, Series3 –Stands for Result

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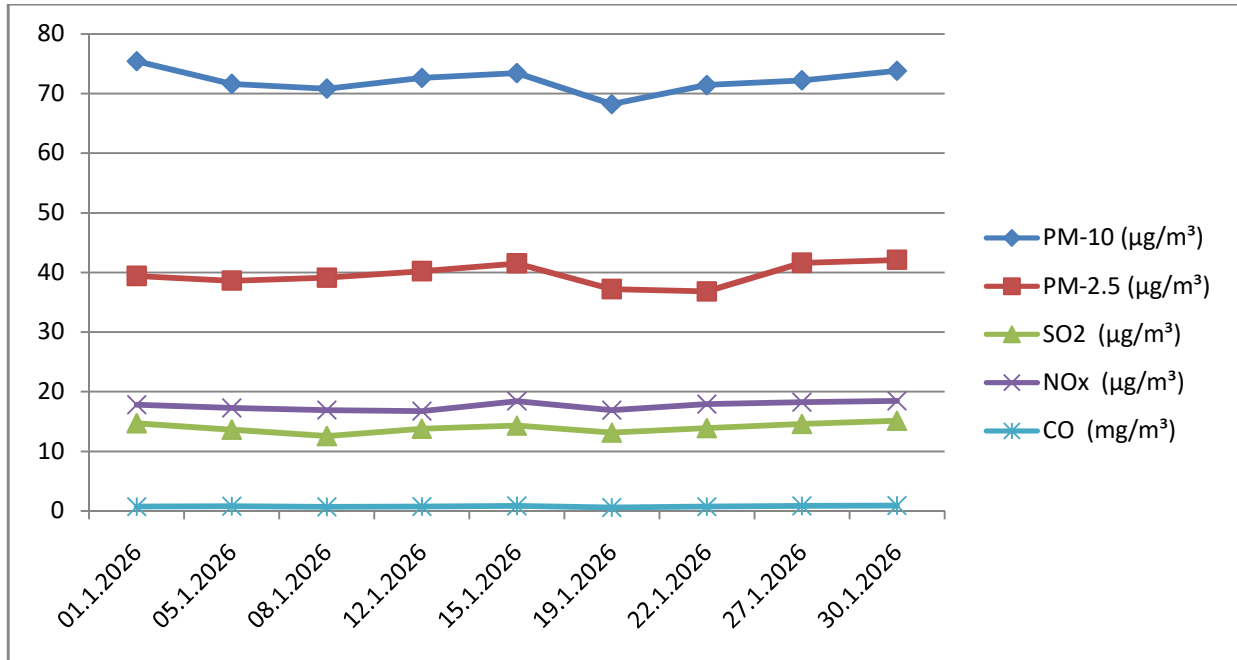
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This Graph is belongs to Station-02(Near Crusher) For the Month of Jan-26

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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/020226/A3

Issued Date-02.02.2026

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Main Gate (Chamakhandi)
Weather Conditions	Clear
Reference No.	CEMC-02022026A3
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	NH ₃ ($\mu\text{g}/\text{m}^3$)	O ₃ ($\mu\text{g}/\text{m}^3$)	Pb ($\mu\text{g}/\text{m}^3$)	Ni (ng/m^3)	As (ng/m^3)	Benzene ($\mu\text{g}/\text{m}^3$)	BaP (ng/m^3)
01.01.2026	73.4	39.6	13.18	18.62	0.92	--	--	--	--	--	--	--
05.01.2026	71.6	38.2	12.83	16.24	0.81	--	--	--	--	--	--	--
08.01.2026	72.2	37.8	12.92	17.36	0.88	--	--	--	--	--	--	--
12.01.2026	74.4	40.6	13.46	18.42	0.76	--	--	--	--	--	--	--
15.01.2026	67.2	36.4	12.73	16.84	0.63	--	--	--	--	--	--	--
19.01.2026	70.3	39.2	13.28	16.43	0.72	--	--	--	--	--	--	--
22.01.2026	72.8	41.6	13.81	18.12	0.79	<20	<10	<0.05	<3.2	<0.1	<5	<1
27.01.2026	68.6	37.2	12.87	17.56	0.68	--	--	--	--	--	--	--
30.01.2026	69.2	39.4	13.45	16.45	0.57	--	--	--	--	--	--	--
Avg	71.08	38.89	13.17	17.34	0.75	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part- 2)	IS: 5182 (Part- 6)	IS: 5182 (Part- 10)	IS: 5182 (Part- 25)	IS: 5182 (Part- 9)	IS: 5182 (Part- 22)	IS: 5182 (Part- 26)	As per CPCB method followed by AAS	IS: 5182 (Part- 11)	IS: 5182 (Part- 12)

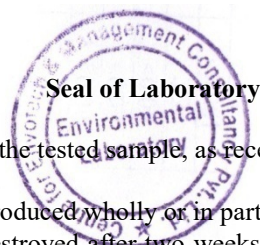
N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT


Authorized Signatory

Notes:

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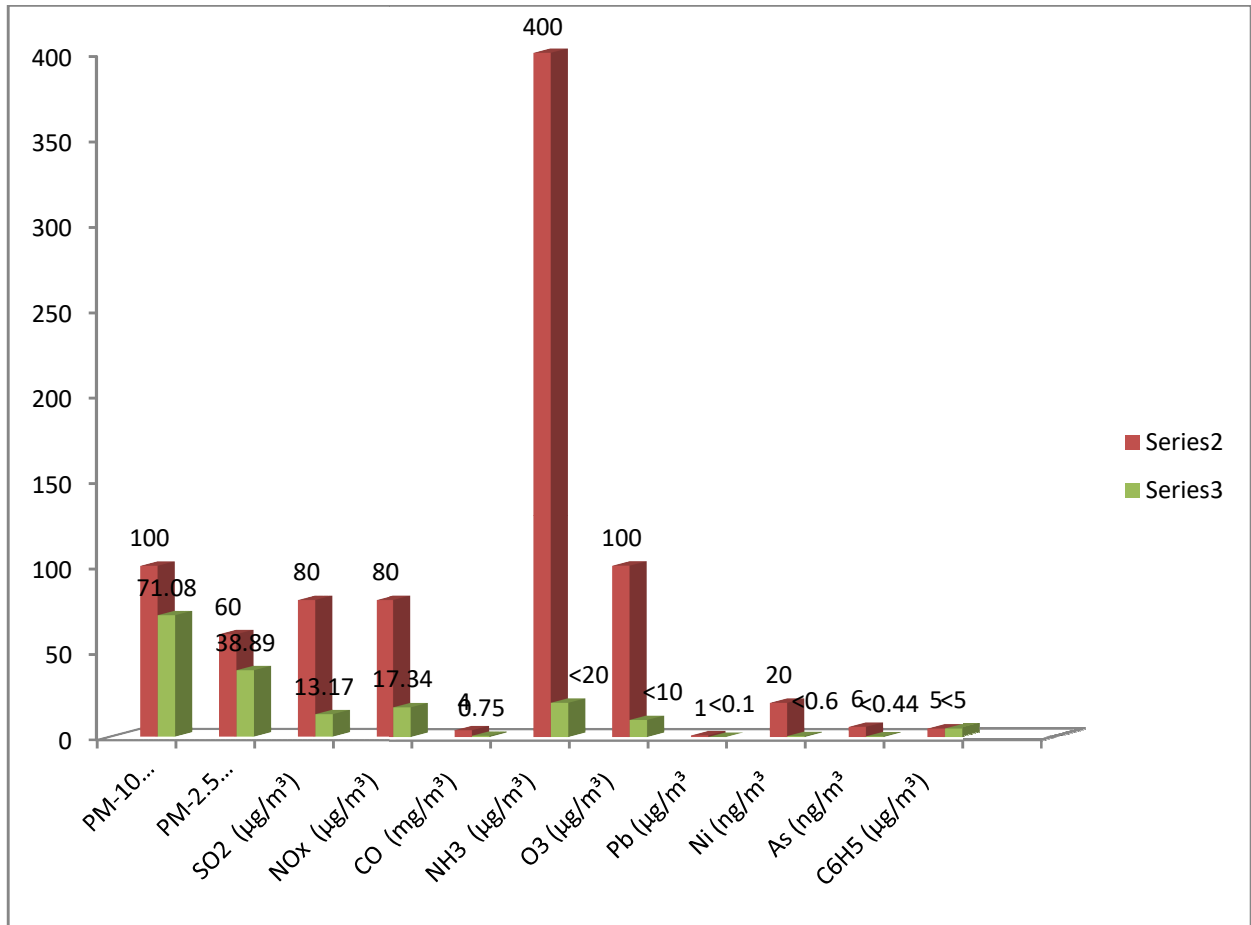
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This Graph is belongs to Station-03(Near Main Gate (Chamakhandi) For the Month of Jan-26

NB-Series2 –Stands for Standard, Series3 –Stands for Result

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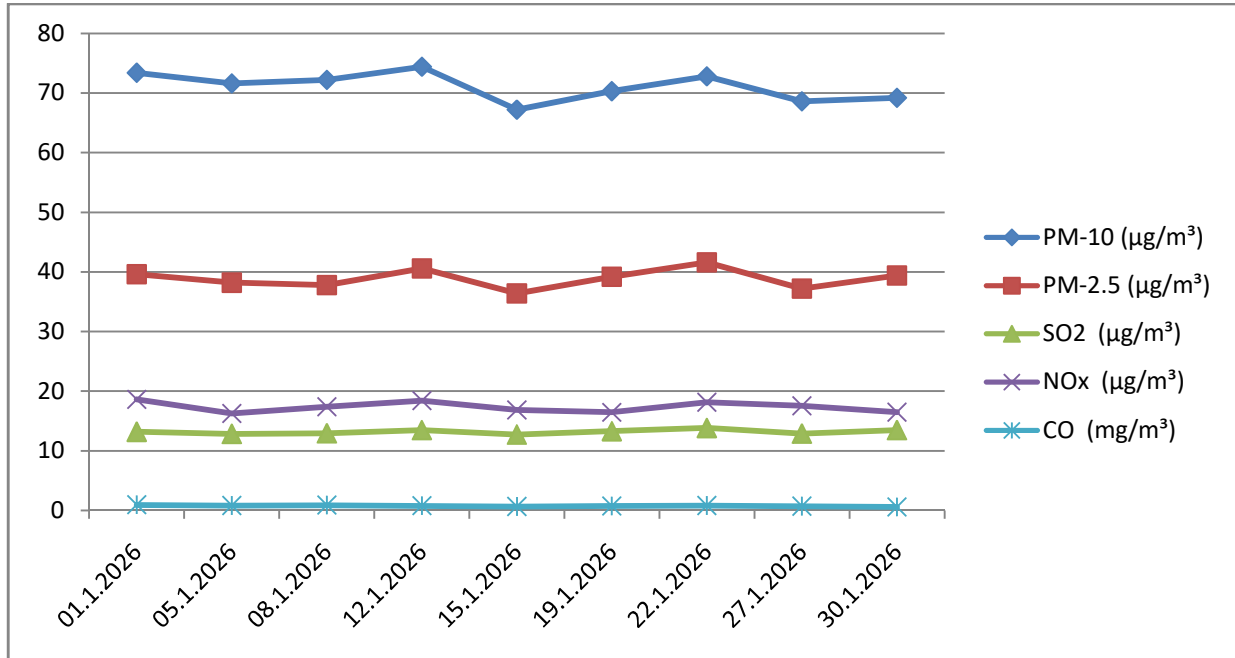
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Report no.-CEMC/TSSEZL/020226/A4

Issued Date-02.02.2026

SPECIAL AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Weather Conditions	Clear
Reference No.	CEMC-02022026A4
Instrument Used	Respirable Dust Sampler,

ANALYSIS RESULT

Locations	Date	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
Near Project Office Gate	22.01.2026	<20	<10	<0.05	<3.2	<0.1	<5	<1
Near Crusher	22.01.2026	<20	<10	<0.05	<3.2	<0.1	<5	<1
Near Main Gate(Chamakhandi)	22.01.2026	<20	<10	<0.05	<3.2	<0.1	<5	<1
NAAQ* Standard		400	100	1.0	20	6	5	1
Methods of Analysis		IS: 5182 (Part-25)	IS: 5182 (Part-9)	IS: 5182 (Part-22)	IS: 5182 (Part-26)	As per CPCB method followed by AAS	IS: 5182 (Part-11)	IS: 5182 (Part-12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT


Authorized Signatory

Seal of Laboratory

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Report no.-CEMC/TSSEZL/020226/W1

Issued Date-02.02.2026

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 22.01.2026
Sampling by : Mr. R.N Das
Date of Sample Received : 23.01.2026
Date of Analysis : 23.01.2026 to 30.01.2026
Sample Location : Khari Nalla, Up stream(SW1)
Reference No. : CEMC-02022026W1

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW1
1	Colour, Max.	Hazen	300	20
2	pH Value @ 25°C	--	6.5 to 8.5	7.04
3	Turbidity	NTU	--	5.3
4	Total Suspended Solids	mg/l	--	24.8
5	Iron as Fe, Max.	mg/l	50	0.23
6	Chloride as Cl, Max.	mg/l	600	35.9
7	Dissolved Solids, Max.	mg/l	1500	192
8	Dissolved Oxygen, Min.	mg/l	4	5.7
9	BOD for 3 days@ 27 ⁰ C, Max.	mg/l	3	<2.0
10	Oil & Grease, Max.	mg/l	0.1	ND
11	Copper as Cu, Max.	mg/l	1.5	<0.03
12	Sulphate as SO ₄ , Max.	mg/l	400	24.2
13	Nitrate as NO ₃ , Max.	mg/l	50	4.1
14	Fluoride as F, Max.	mg/l	1.5	0.25
15	Anionic detergent	mg/l	1	ND
16	Cadmium as Cd, Max.	mg/l	0.01	<0.003
17	Selenium as Se, Max.	mg/l	0.05	<0.001
18	Arsenic as As, Max.	mg/l	0.2	<0.001
19	Cyanide as CN, Max.	mg/l	0.05	ND
20	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
21	Lead as Pb, Max.	mg/l	0.1	<0.01
22	Zinc as Zn, Max.	mg/l	15	<0.05
23	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
24	Total Coliform, Max.	MPN/100ml	5000	190
25	Faecal Coliform	MPN/100ml	--	15

, MPN-Most Probable Number

Authorized Signatory

Seal of Laboratory

END OF REPORT

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Report no.-CEMC/TSSEZL/020226/W2

Issued Date-02.02.2026

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 22.01.2026
Sampling by : Mr. R.N Das
Date of Sample Received : 23.01.2026
Date of Analysis : 23.01.2026 to 30.01.2026
Sample Description : Surface Water
Sample Location : Khari Nalla, Down Stream(SW2)
Reference No. :CEMC-02022026W2

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW2
1	Colour, Max.	Hazen	300	25
2	pH Value @ 25°C	--	6.5 to 8.5	7.22
3	Turbidity	NTU	--	9.2
4	Total Suspended Solids	mg/l	--	32.1
5	Iron as Fe, Max.	mg/l	50	0.41
6	Chloride as Cl, Max.	mg/l	600	42.9
7	Dissolved Solids, Max.	mg/l	1500	202
8	Dissolved Oxygen, Min.	mg/l	4	5.6
9	BOD for 3 days@ 27 ⁰ C, Max.	mg/l	3	<2.0
10	Oil & Grease, Max.	mg/l	0.1	ND
11	Copper as Cu, Max.	mg/l	1.5	<0.03
12	Sulphate as SO ₄ , Max.	mg/l	400	30.9
13	Nitrate as NO ₃ , Max.	mg/l	50	5.2
14	Fluoride as F, Max.	mg/l	1.5	0.29
15	Anionic detergent	mg/l	1	ND
16	Cadmium as Cd, Max.	mg/l	0.01	<0.003
17	Selenium as Se, Max.	mg/l	0.05	<0.001
18	Arsenic as As, Max.	mg/l	0.2	<0.001
19	Cyanide as CN, Max.	mg/l	0.05	ND
20	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
21	Lead as Pb, Max.	mg/l	0.1	<0.01
22	Zinc as Zn, Max.	mg/l	15	<0.05
23	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
24	Total Coliform, Max.	MPN/100ml	5000	350
25	Faecal Coliform	MPN/100ml	--	22

NB: ND- Not Detectable, MPN-Most Probable Number

END OF REPORT

Authorized Signatory

Seal of Laboratory

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Report No. - CEMC/ TSSEZL /020226/N

Issued Date-02.02.2026

Name & Address of the Client	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur
Reference No.	CEMC-02022026N
Nature of Sampling	Noise Monitoring
Sampling By	Mr. R.N Das
Instrument Used	Noise Level Meter
Sampling Period	24 Hours

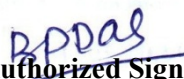
NOISE MONITORING REPORT

Date of Sampling	Locations	NL Day Time dB (A)			NL Night Time dB (A)		
		Max	Min.	Avg.	Max.	Min.	Avg.
22.01.2026	Near Project office	67.6	61.2	64.4	60.0	54.6	57.3
22.01.2026	Near main gate (Chamakhandi)	69.8	65.6	67.5	63.6	58.4	61.1

End of Report

NATIONAL STANDARD NOISE LEVEL

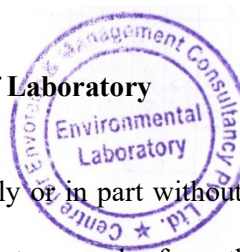
Area Code	Category of Area/Zone	Permissible Limit in dB (A)	
		Day Time	Night Time
A	Industrial Area*	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40


Authorized Signatory

Seal of Laboratory

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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/080426/A1

Issued Date-08.04.2026

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Project Office gate
Weather Conditions	Clear
Reference No.	CEMC-08042026A1
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
02.03.2026	74.6	42.4	10.13	15.64	0.74	--	--	--	--	--	--	--
05.03.2026	75.4	40.8	10.56	16.52	0.62	--	--	--	--	--	--	--
09.03.2026	73.8	41.6	11.21	15.86	0.66	--	--	--	--	--	--	--
12.03.2026	76.2	44.2	11.96	16.53	0.75	--	--	--	--	--	--	--
16.03.2026	73.2	39.8	12.43	15.34	0.58	--	--	--	--	--	--	--
19.03.2026	72.8	40.4	11.24	14.71	0.64	--	--	--	--	--	--	--
23.03.2026	70.4	41.3	11.82	14.63	0.58	<20	<10	<0.05	<3.2	<0.1	<5	<1
26.03.2026	74.2	43.2	12.42	15.84	0.73	--	--	--	--	--	--	--
30.03.2026	76.6	44.8	13.87	16.81	0.81	--	--	--	--	--	--	--
Avg	74.13	42.06	11.74	15.76	0.68	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part- 2)	IS: 5182 (Part- 6)	IS: 5182 (Part- 10)	IS: 5182 (Part- 25)	IS: 5182 (Part- 9)	IS: 5182 (Part- 22)	IS: 5182 (Part- 26)	As per CPCB method followed by AAS	IS: 5182 (Part- 11)	IS: 5182 (Part- 12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT

BPDal
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Seal of Laboratory

Notes:

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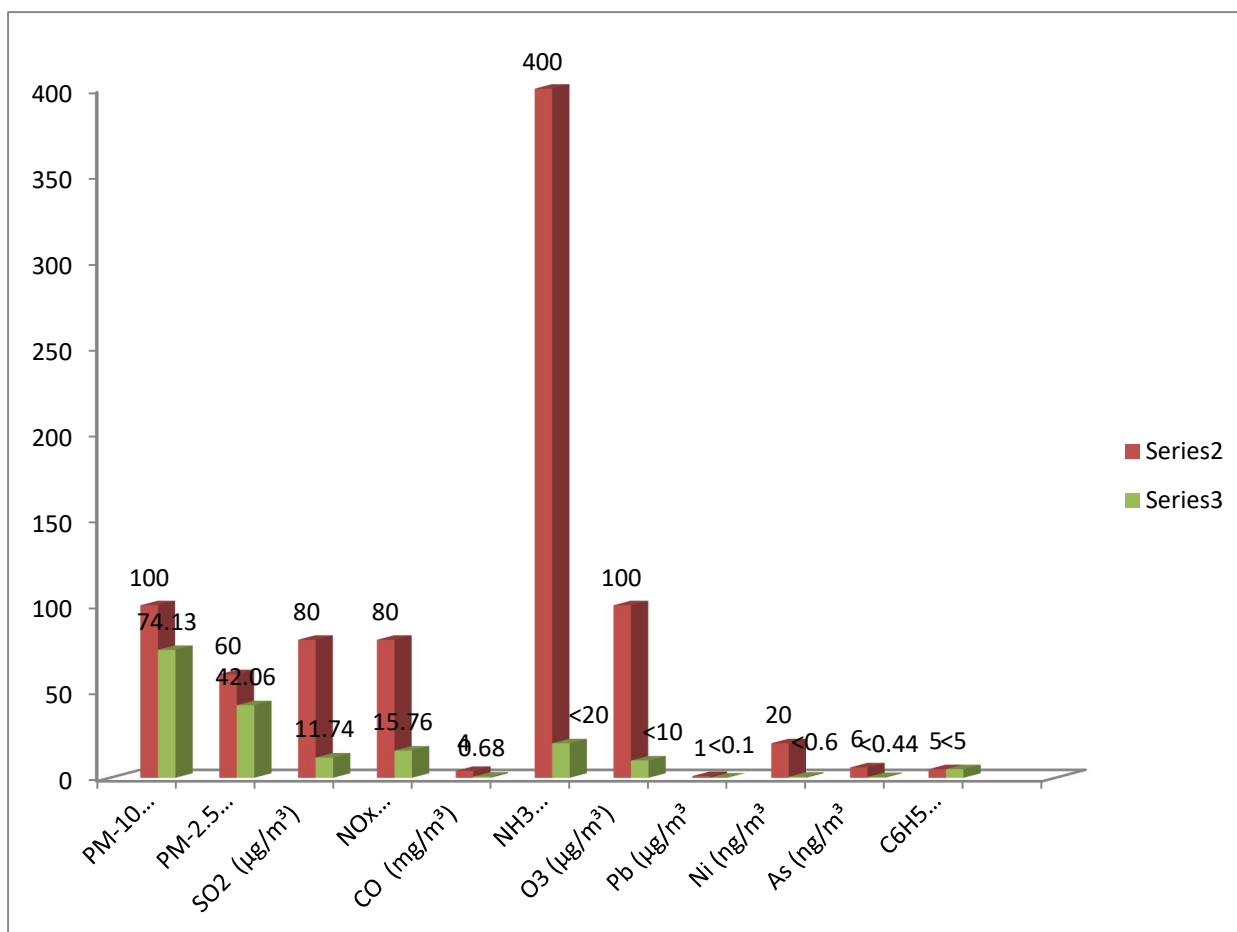
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This Graph is belongs to Station-01(Near TSSEZL Project Office) For the Month of March-26

NB-Series2 –Stands for Standard, Series3 –Stands for Result

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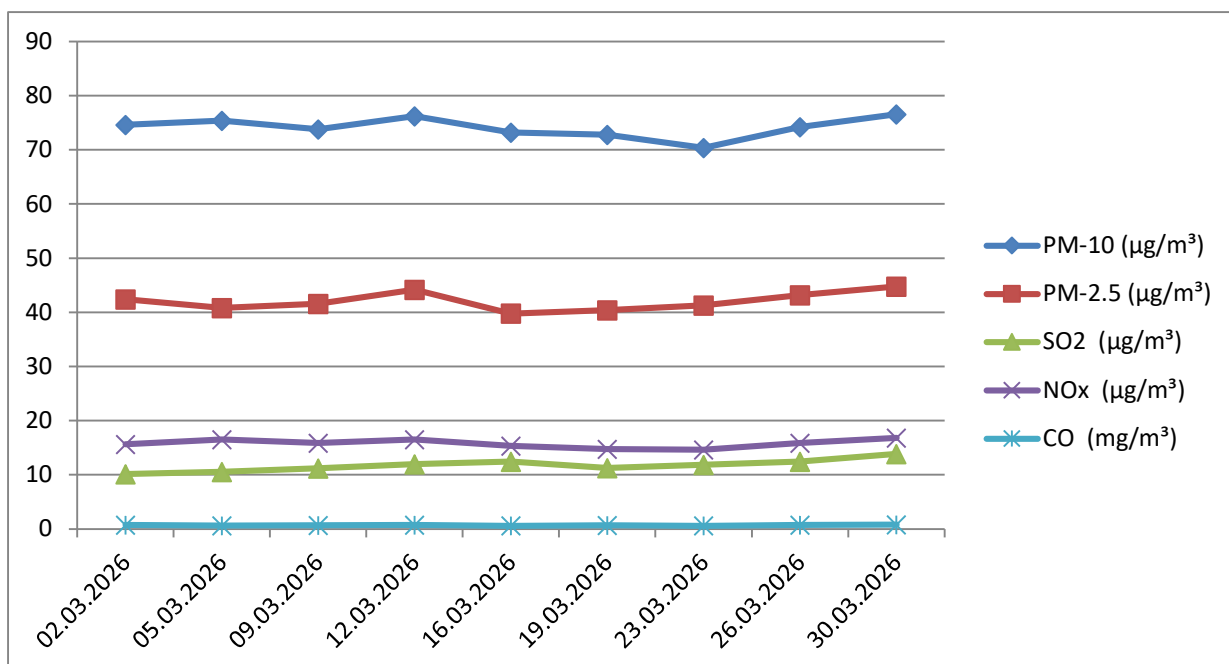
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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/080426/A2

Issued Date-08.04.2026

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Crusher
Weather Conditions	Clear
Reference No.	CEMC-08042026A2
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	NH ₃ ($\mu\text{g}/\text{m}^3$)	O ₃ ($\mu\text{g}/\text{m}^3$)	Pb ($\mu\text{g}/\text{m}^3$)	Ni (ng/m^3)	As (ng/m^3)	Benzene ($\mu\text{g}/\text{m}^3$)	BaP (ng/m^3)
02.03.2026	80.4	44.2	15.68	18.81	0.88	--	--	--	--	--	--	--
05.03.2026	79.2	43.4	14.81	18.46	0.81	--	--	--	--	--	--	--
09.03.2026	76.8	46.2	14.12	18.26	0.76	--	--	--	--	--	--	--
12.03.2026	81.2	44.6	14.56	18.64	0.89	--	--	--	--	--	--	--
16.03.2026	79.6	45.8	15.13	19.12	0.91	--	--	--	--	--	--	--
19.03.2026	76.3	42.3	14.28	18.14	0.76	--	--	--	--	--	--	--
23.03.2026	78.4	41.1	14.93	18.66	0.84	<20	<10	<0.05	<3.2	<0.1	<5	<1
26.03.2026	81.8	45.2	15.42	18.91	0.92	--	--	--	--	--	--	--
30.03.2026	82.2	46.8	15.93	18.84	0.95	--	--	--	--	--	--	--
Avg	79.54	44.40	14.98	18.65	0.86	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part- 2)	IS: 5182 (Part- 6)	IS: 5182 (Part- 10)	IS: 5182 (Part- 25)	IS: 5182 (Part- 9)	IS: 5182 (Part- 22)	IS: 5182 (Part- 26)	As per CPCB method followed by AAS	IS: 5182 (Part- 11)	IS: 5182 (Part- 12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT


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Seal of Laboratory

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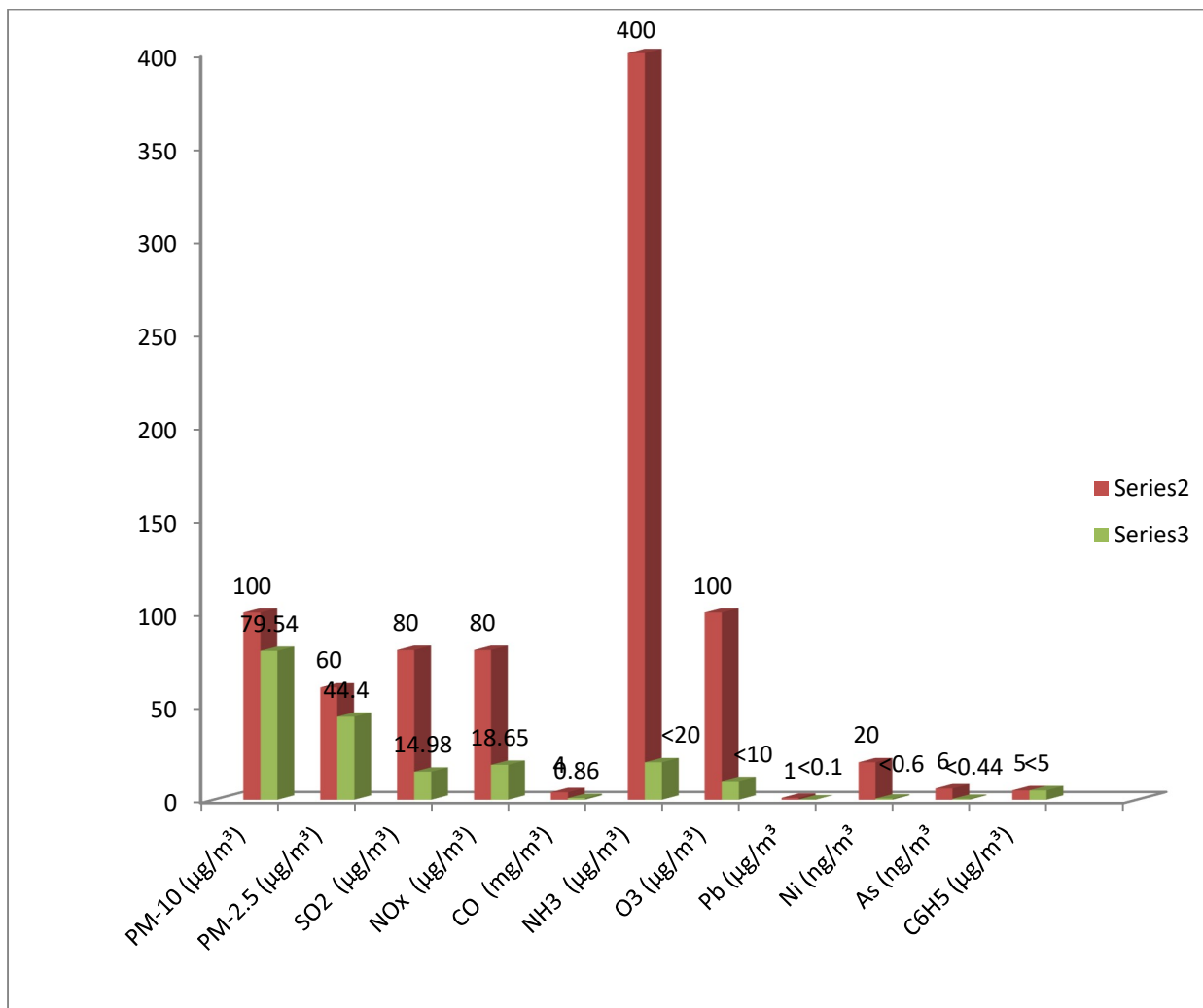
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This Graph is belongs to Station-02(Near Crusher) For the Month of March-26

NB-Series2 –Stands for Standard, Series3 –Stands for Result

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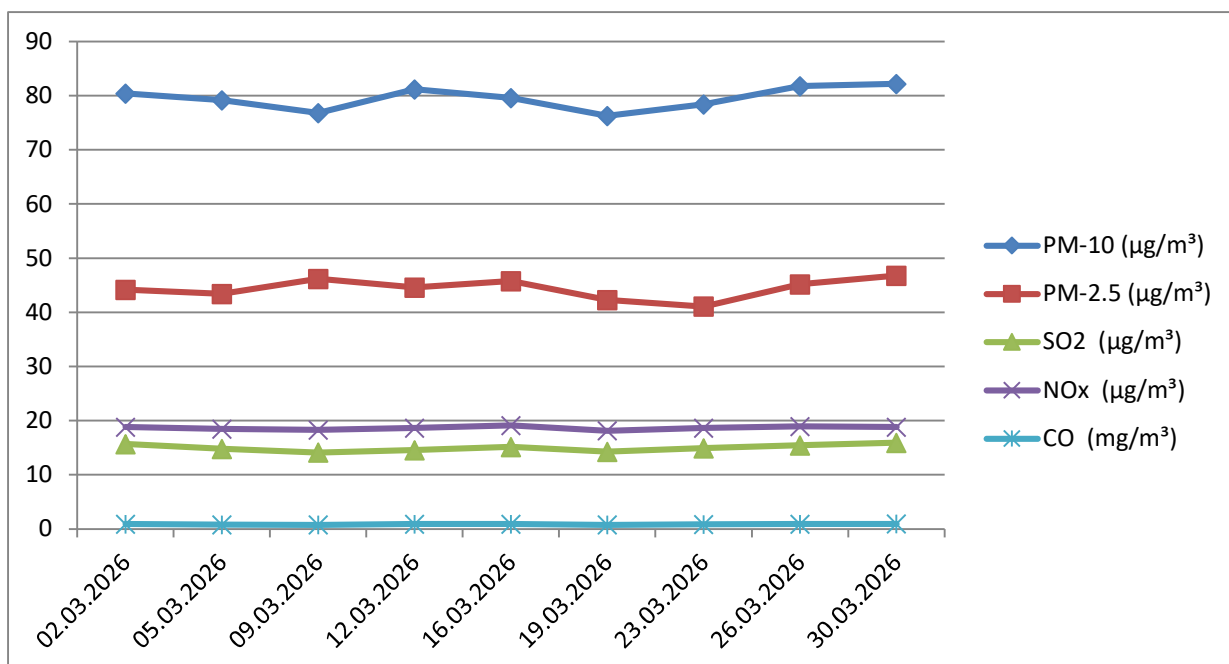
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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/080426/A3

Issued Date-08.04.2026

AMBIENT AIR QUALITY MONITORING TEST REPORT

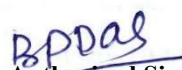
Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Main Gate (Chamakhandi)
Weather Conditions	Clear
Reference No.	CEMC-08042026A3
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	NH ₃ ($\mu\text{g}/\text{m}^3$)	O ₃ ($\mu\text{g}/\text{m}^3$)	Pb ($\mu\text{g}/\text{m}^3$)	Ni (ng/m^3)	As (ng/m^3)	Benzene ($\mu\text{g}/\text{m}^3$)	BaP (ng/m^3)
02.03.2026	78.6	43.2	14.16	17.92	0.91	--	--	--	--	--	--	--
05.03.2026	76.8	42.6	13.94	17.61	0.86	--	--	--	--	--	--	--
09.03.2026	79.2	41.4	13.28	18.24	0.94	--	--	--	--	--	--	--
12.03.2026	80.4	44.6	14.21	19.13	0.85	--	--	--	--	--	--	--
16.03.2026	75.6	41.8	13.76	17.61	0.75	--	--	--	--	--	--	--
19.03.2026	77.2	43.6	13.62	17.82	0.83	--	--	--	--	--	--	--
23.03.2026	80.4	45.8	14.38	18.91	0.79	<20	<10	<0.05	<3.2	<0.1	<5	<1
26.03.2026	76.2	42.4	13.91	18.58	0.77	--	--	--	--	--	--	--
30.03.2026	79.8	43.6	14.42	18.42	0.81	--	--	--	--	--	--	--
Avg	78.24	43.22	13.96	18.25	0.83	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part- 2)	IS: 5182 (Part- 6)	IS: 5182 (Part- 10)	IS: 5182 (Part- 25)	IS: 5182 (Part- 9)	IS: 5182 (Part- 22)	IS: 5182 (Part- 26)	As per CPCB method followed by AAS	IS: 5182 (Part- 11)	IS: 5182 (Part- 12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT


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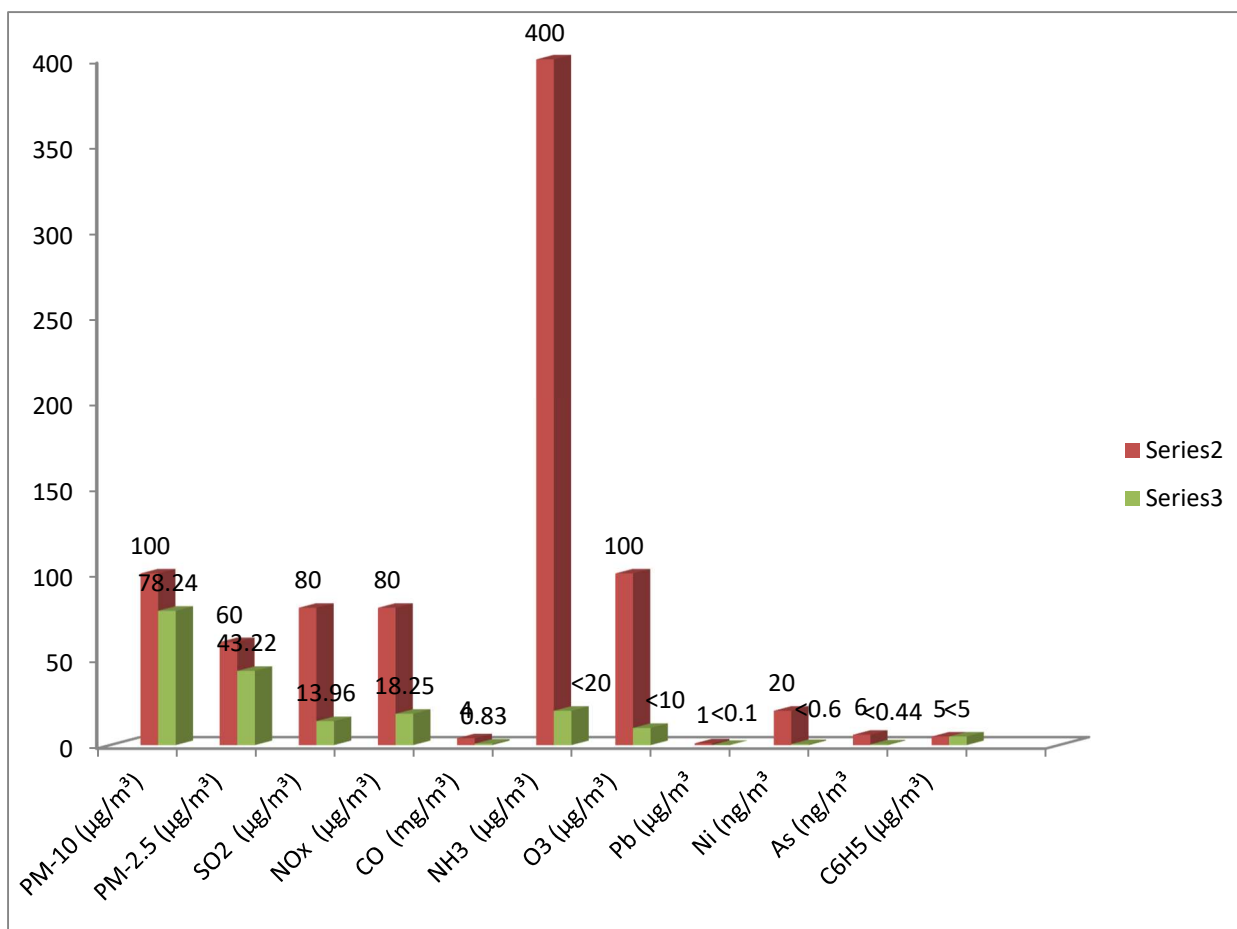
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This Graph is belongs to Station-03(Near Main Gate (Chamakhandi) For the Month of March-26

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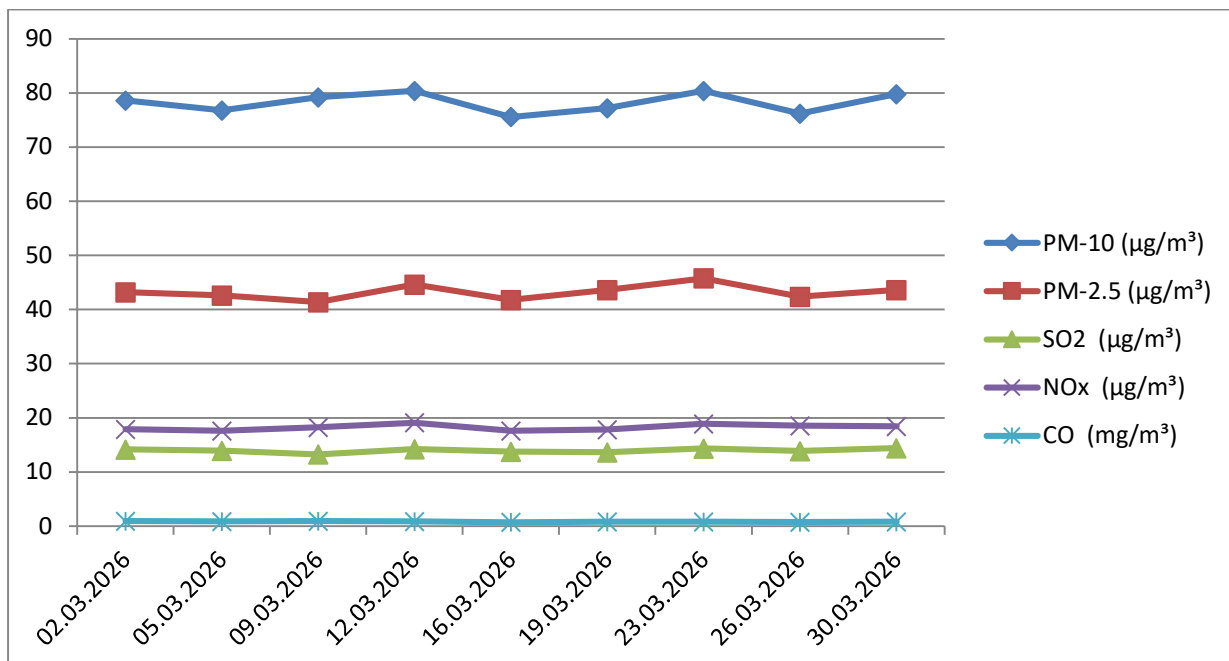
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Report no.-CEMC/TSSEZL/080426/A4

Issued Date-08.04.2026

SPECIAL AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Weather Conditions	Clear
Reference No.	CEMC-08042026A4
Instrument Used	Respirable Dust Sampler,

ANALYSIS RESULT

Locations	Date	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
Near Project Office Gate	23.03.2026	<20	<10	<0.05	<3.2	<0.1	<5	<1
Near Crusher	23.03.2026	<20	<10	<0.05	<3.2	<0.1	<5	<1
Near Main Gate(Chamakhandi)	23.03.2026	<20	<10	<0.05	<3.2	<0.1	<5	<1
NAAQ* Standard		400	100	1.0	20	6	5	1
Methods of Analysis		IS: 5182 (Part-25)	IS: 5182 (Part-9)	IS: 5182 (Part-22)	IS: 5182 (Part-26)	As per CPCB method followed by AAS	IS: 5182 (Part-11)	IS: 5182 (Part-12)

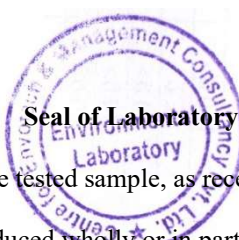
N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT


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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/080426/W1

Issued Date-08.04.2026

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 23.03.2026
Sampling by : Mr. R.N Das
Date of Sample Received : 23.03.2026
Date of Analysis : 23.03.2026 to 30.03.2026
Sample Location : Khari Nalla, Up stream(SW1)
Reference No. : CEMC-08042026W1

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW1
1	Colour, Max.	Hazen	300	10
2	pH Value @ 25°C	--	6.5 to 8.5	7.34
3	Turbidity	NTU	--	3.6
4	Total Suspended Solids	mg/l	--	17.4
5	Iron as Fe, Max.	mg/l	50	0.31
6	Chloride as Cl, Max.	mg/l	600	37.9
7	Dissolved Solids, Max.	mg/l	1500	216
8	Dissolved Oxygen, Min.	mg/l	4	5.7
9	BOD for 3 days@ 27°C, Max.	mg/l	3	<2.0
10	Oil & Grease, Max.	mg/l	0.1	ND
11	Copper as Cu, Max.	mg/l	1.5	<0.03
12	Sulphate as SO ₄ , Max.	mg/l	400	28.1
13	Nitrate as NO ₃ , Max.	mg/l	50	5.8
14	Fluoride as F, Max.	mg/l	1.5	0.29
15	Anionic detergent	mg/l	1	ND
16	Cadmium as Cd, Max.	mg/l	0.01	<0.003
17	Selenium as Se, Max.	mg/l	0.05	<0.001
18	Arsenic as As, Max.	mg/l	0.2	<0.001
19	Cyanide as CN, Max.	mg/l	0.05	ND
20	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
21	Lead as Pb, Max.	mg/l	0.1	<0.01
22	Zinc as Zn, Max.	mg/l	15	<0.05
23	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
24	Total Coliform, Max.	MPN/100ml	5000	220
25	Faecal Coliform	MPN/100ml	--	15

, MPN-Most Probable Number

B.P.Das
Authorized Signatory

Seal of Laboratory

END OF REPORT

Notes:

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Report no.-CEMC/TSSEZL/080426/W2

Issued Date-08.04.2026

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 23.03.2026
Sampling by : Mr. R.N Das
Date of Sample Received : 23.03.2026
Date of Analysis : 23.03.2026 to 30.03.2026
Sample Description : Surface Water
Sample Location : Khari Nalla, Down Stream(SW2)
Reference No. :CEMC-08042026W2

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW2
1	Colour, Max.	Hazen	300	15
2	pH Value @ 25°C	--	6.5 to 8.5	7.28
3	Turbidity	NTU	--	7.1
4	Total Suspended Solids	mg/l	--	22.4
5	Iron as Fe, Max.	mg/l	50	0.49
6	Chloride as Cl, Max.	mg/l	600	45.9
7	Dissolved Solids, Max.	mg/l	1500	222
8	Dissolved Oxygen, Min.	mg/l	4	5.6
9	BOD for 3 days@ 27°C, Max.	mg/l	3	<2.0
10	Oil & Grease, Max.	mg/l	0.1	ND
11	Copper as Cu, Max.	mg/l	1.5	<0.03
12	Sulphate as SO ₄ , Max.	mg/l	400	32.6
13	Nitrate as NO ₃ , Max.	mg/l	50	6.4
14	Fluoride as F, Max.	mg/l	1.5	0.33
15	Anionic detergent	mg/l	1	ND
16	Cadmium as Cd, Max.	mg/l	0.01	<0.003
17	Selenium as Se, Max.	mg/l	0.05	<0.001
18	Arsenic as As, Max.	mg/l	0.2	<0.001
19	Cyanide as CN, Max.	mg/l	0.05	ND
20	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
21	Lead as Pb, Max.	mg/l	0.1	<0.01
22	Zinc as Zn, Max.	mg/l	15	<0.05
23	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
24	Total Coliform, Max.	MPN/100ml	5000	340
25	Faecal Coliform	MPN/100ml	--	22

NB: ND- Not Detectable, MPN-Most Probable Number

END OF REPORT

Authorized Signatory

Seal of Laboratory

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Report No. - CEMC/ TSSEZL /080426/N

Issued Date-08.04.2026

Name & Address of the Client	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur
Reference No.	CEMC-08042026N
Nature of Sampling	Noise Monitoring
Sampling By	Mr. R.N Das
Instrument Used	Noise Level Meter
Sampling Period	24 Hours

NOISE MONITORING REPORT

Date of Sampling	Locations	NL Day Time dB (A)			NL Night Time dB (A)		
		Max	Min.	Avg.	Max.	Min.	Avg.
23.03.2026	Near Project office	66.8	61.8	64.3	60.6	54.2	57.4
23.03.2026	Near main gate (Chamakhandi)	69.6	66.2	67.9	64.2	60.2	62.2

End of Report

NATIONAL STANDARD NOISE LEVEL

Area Code	Category of Area/Zone	Permissible Limit in dB (A)	
		Day Time	Night Time
A	Industrial Area*	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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Report no.-CEMC/TSSEZL/061225/A1

Issued Date-06.12.2025

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Project Office gate
Weather Conditions	Clear
Reference No.	CEMC-06122025A1
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	NH ₃ ($\mu\text{g}/\text{m}^3$)	O ₃ ($\mu\text{g}/\text{m}^3$)	Pb ($\mu\text{g}/\text{m}^3$)	Ni (ng/m^3)	As (ng/m^3)	Benzene ($\mu\text{g}/\text{m}^3$)	BaP (ng/m^3)
03.11.2025	64.9	34.9	8.85	13.87	0.5	--	--	--	--	--	--	--
06.11.2025	61.6	31.8	9.98	14.81	0.37	--	--	--	--	--	--	--
10.11.2025	63.4	33.6	11.12	15.63	0.89	--	--	--	--	--	--	--
13.11.2025	65.7	33.6	12.32	16.89	0.54	--	--	--	--	--	--	--
17.11.2025	63.8	32.8	9.87	13.24	0.28	--	--	--	--	--	--	--
20.11.2025	66.2	32.3	8.51	12.54	0.33	--	--	--	--	--	--	--
24.11.2025	61.9	32.9	10.04	14.67	0.11	<20	<10	<0.05	<3.2	<0.1	<5	<1
27.11.2025	62.9	33.7	11.86	14.09	0.2	--	--	--	--	--	--	--
Avg	63.8	33.2	10.32	14.47	0.4	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)	IS: 5182 (Part-25)	IS: 5182 (Part-9)	IS: 5182 (Part-22)	IS: 5182 (Part-26)	As per CPCB method followed by AAS	IS: 5182 (Part-11)	IS: 5182 (Part-12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT


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Seal of Laboratory

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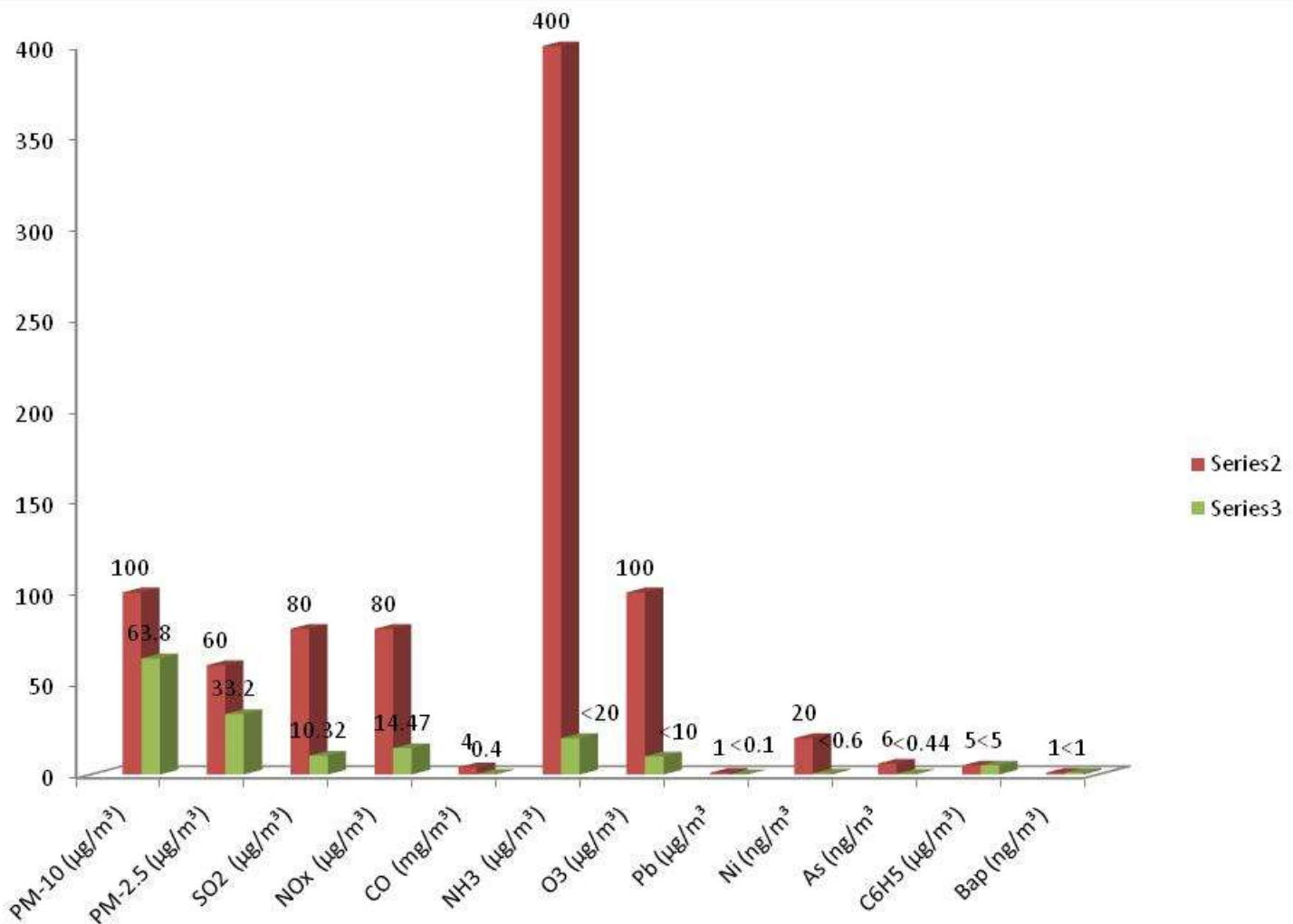
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This Graph is belongs to Station-01(Near TSSEZL Project Office) For the Month of Nov-25

NB-Series2 –Stands for Standard, Series3 –Stands for Result

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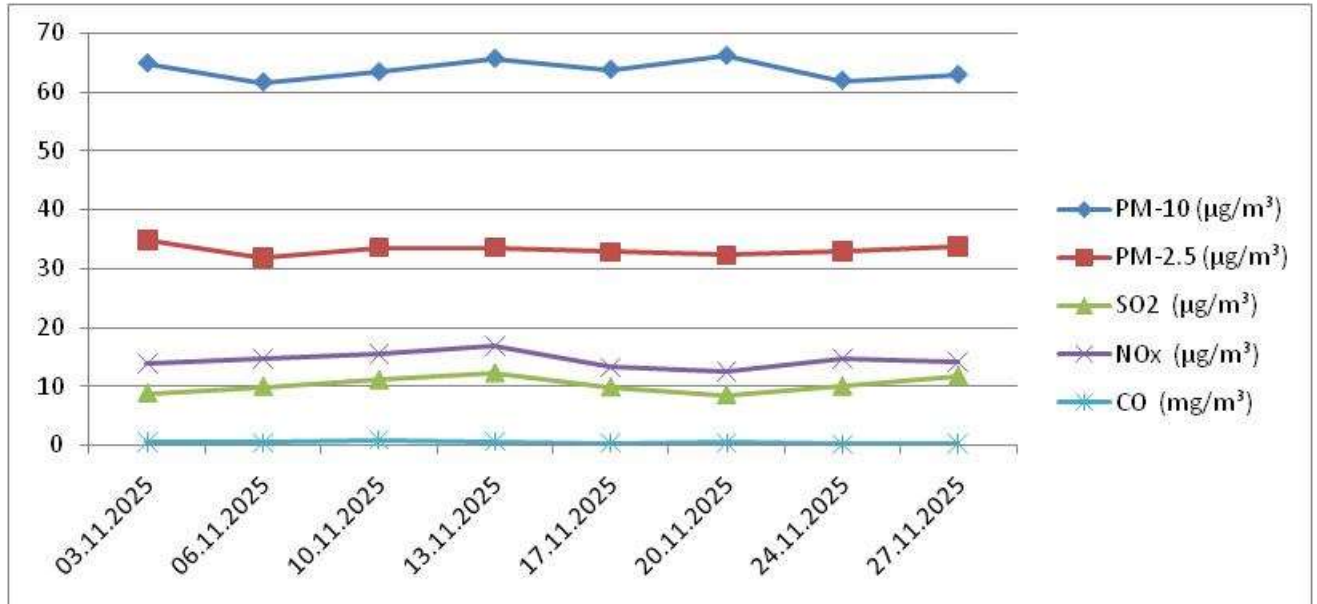
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Report no.-CEMC/TSSEZL/061225/A2

Issued Date-06.12.2025

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Crusher
Weather Conditions	Clear
Reference No.	CEMC-06122025A2
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	NH ₃ ($\mu\text{g}/\text{m}^3$)	O ₃ ($\mu\text{g}/\text{m}^3$)	Pb ($\mu\text{g}/\text{m}^3$)	Ni (ng/m^3)	As (ng/m^3)	Benzene ($\mu\text{g}/\text{m}^3$)	BaP (ng/m^3)
03.11.2025	69.4	33.8	12.89	16.42	0.5	--	--	--	--	--	--	--
06.11.2025	66.3	32.6	11.64	16.61	0.62	--	--	--	--	--	--	--
10.11.2025	63.8	33.9	10.03	15.43	0.4	--	--	--	--	--	--	--
13.11.2025	64.7	34.5	11.98	15.02	0.34	--	--	--	--	--	--	--
17.11.2025	68.9	35.6	12.82	16.03	0.51	--	--	--	--	--	--	--
20.11.2025	62.4	31.3	11.23	15.86	0.21	--	--	--	--	--	--	--
24.11.2025	65.8	30.1	13.02	17.72	0.3	<20	<10	<0.05	<3.2	<0.1	<5	<1
27.11.2025	67.3	35.6	11.05	15.32	0.43	--	--	--	--	--	--	--
Avg	66.08	33.42	11.83	16.05	0.41	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)	IS: 5182 (Part-25)	IS: 5182 (Part-9)	IS: 5182 (Part-22)	IS: 5182 (Part-26)	As per CPCB method followed by AAS	IS: 5182 (Part-11)	IS: 5182 (Part-12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT


Authorized Signatory

Seal of Laboratory

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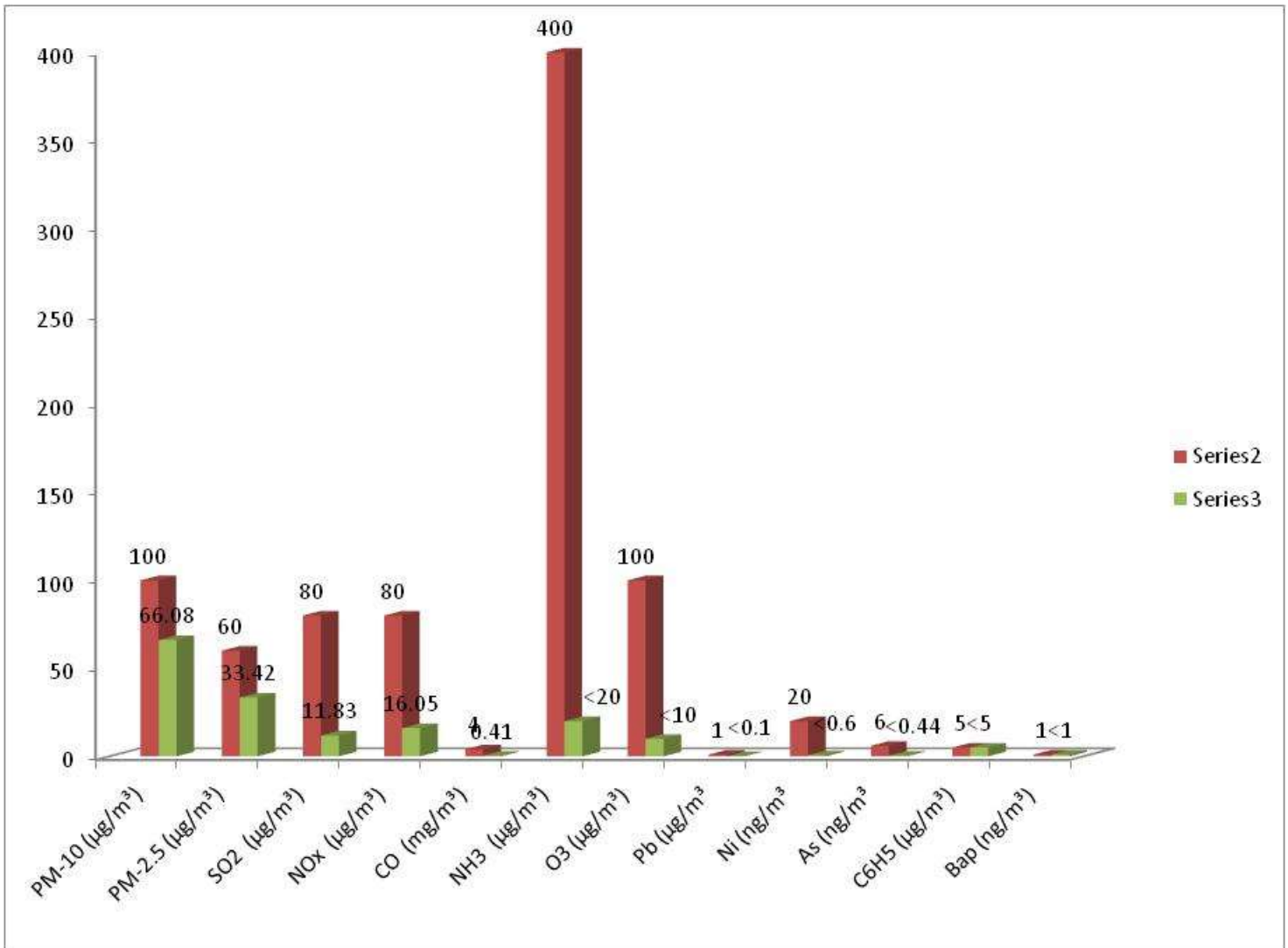
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This Graph is belongs to Station-02(Near Crusher) For the Month of Nov-25

NB-Series2 –Stands for Standard, Series3 –Stands for Result

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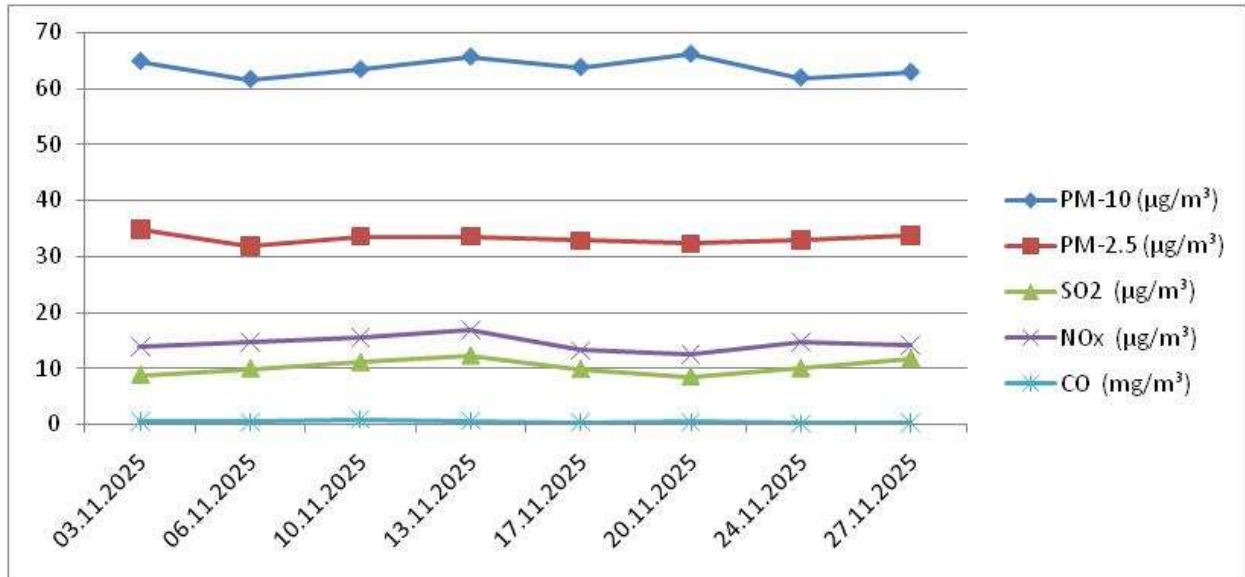
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Report no.-CEMC/TSSEZL/061225/A3

Issued Date-06.12.2025

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Main Gate (Chamakhandi)
Weather Conditions	Clear
Reference No.	CEMC-06122025A3
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
03.11.2025	67.9	35.5	12.09	16.61	0.4	--	--	--	--	--	--	--
06.11.2025	64.3	32.9	10.01	12.21	0.92	--	--	--	--	--	--	--
10.11.2025	65.2	33.2	10.05	13.43	0.27	--	--	--	--	--	--	--
13.11.2025	67.9	35.1	10.09	16.61	0.22	--	--	--	--	--	--	--
17.11.2025	66.3	33.6	10.02	12.89	0.19	--	--	--	--	--	--	--
20.11.2025	63.6	36.8	11.82	15.59	0.29	--	--	--	--	--	--	--
24.11.2025	68.2	35.2	11.89	16.61	0.86	<20	<10	<0.05	<3.2	<0.1	<5	<1
27.11.2025	63	33.2	11.11	14.31	0.3	--	--	--	--	--	--	--
Avg	65.8	34.44	10.89	14.78	0.43	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part- 2)	IS: 5182 (Part- 6)	IS: 5182 (Part- 10)	IS: 5182 (Part- 25)	IS: 5182 (Part- 9)	IS: 5182 (Part- 22)	IS: 5182 (Part- 26)	As per CPCB method followed by AAS	IS: 5182 (Part- 11)	IS: 5182 (Part- 12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT

BPDal

Authorized Signatory

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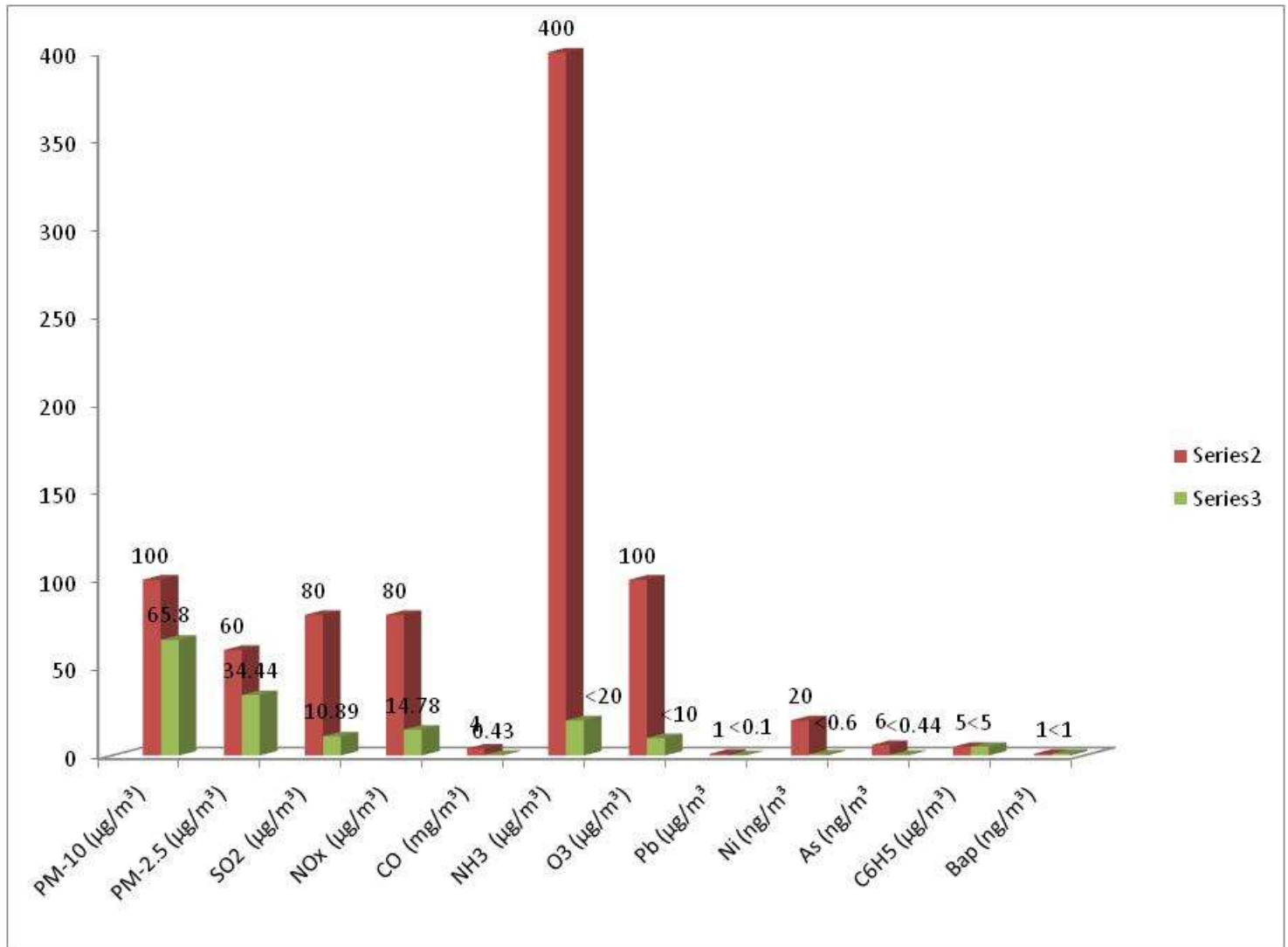
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NB-Series2 –Stands for Standard, Series3 –Stands for Result

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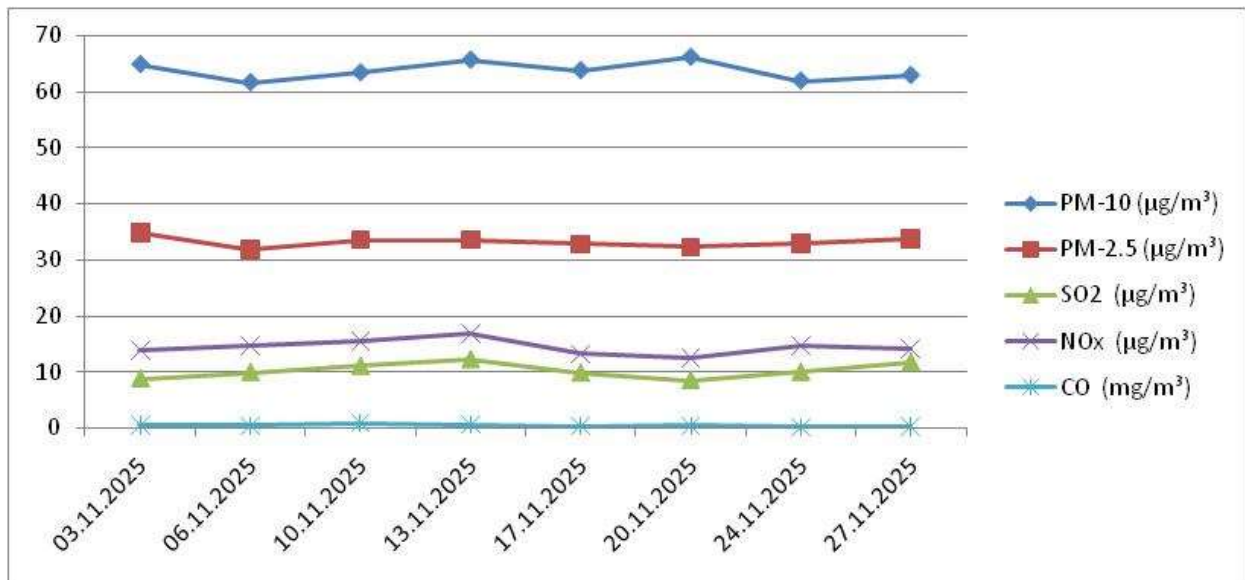
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This Graph is belongs to Station-03(Near Main Gate (Chamakhandi) For the Month of Nov-25

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An ISO 9001:2015, ISO 45001:2018 & ISO 14001:2015 Certified Company,

Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/061225/A4

Issued Date-06.12.2025

SPECIAL AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Weather Conditions	Clear
Reference No.	CEMC-06122025A4
Instrument Used	Respirable Dust Sampler,

ANALYSIS RESULT

Locations	Date	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
Near Project Office Gate	24.11.2025	<20	<10	<0.05	<3.2	<0.1	<5	<1
Near Crusher	24.11.2025	<20	<10	<0.05	<3.2	<0.1	<5	<1
Near Main Gate(Chamakhandi)	24.11.2025	<20	<10	<0.05	<3.2	<0.1	<5	<1
NAAQ* Standard		400	100	1.0	20	6	5	1
Methods of Analysis		IS: 5182 (Part-25)	IS: 5182 (Part-9)	IS: 5182 (Part-22)	IS: 5182 (Part-26)	As per CPCB method followed by AAS	IS: 5182 (Part-11)	IS: 5182 (Part-12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT


Authorized Signatory

Seal of Laboratory

Notes:

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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/061225/W1

Issued Date-06.12.2025

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 24.11.2025
Sampling by : Mr. R.N Das
Date of Sample Received : 25.11.2025
Date of Analysis : 26.11.2025 to 03.12.2025
Sample Location : Khari Nalla, Up stream(SW1)
Reference No. : CEMC-06122025W1

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW1
1	Colour, Max.	Hazen	300	10
2	pH Value @ 25°C	--	6.5 to 8.5	7.23
3	Turbidity	NTU	--	3.8
4	Total Suspended Solids	mg/l	--	17.9
5	Iron as Fe, Max.	mg/l	50	0.13
6	Chloride as Cl, Max.	mg/l	600	31.9
7	Dissolved Solids, Max.	mg/l	1500	176
8	Dissolved Oxygen, Min.	mg/l	4	6.0
9	BOD for 3 days@ 27 ⁰ C, Max.	mg/l	3	<2.0
10	Oil & Grease, Max.	mg/l	0.1	ND
11	Copper as Cu, Max.	mg/l	1.5	<0.03
12	Sulphate as SO ₄ , Max.	mg/l	400	22.8
13	Nitrate as NO ₃ , Max.	mg/l	50	2.9
14	Fluoride as F, Max.	mg/l	1.5	0.21
15	Anionic detergent	mg/l	1	ND
16	Cadmium as Cd, Max.	mg/l	0.01	<0.003
17	Selenium as Se, Max.	mg/l	0.05	<0.001
18	Arsenic as As, Max.	mg/l	0.2	<0.001
19	Cyanide as CN, Max.	mg/l	0.05	ND
20	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
21	Lead as Pb, Max.	mg/l	0.1	<0.01
22	Zinc as Zn, Max.	mg/l	15	<0.05
23	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
24	Total Coliform, Max.	MPN/100ml	5000	130
25	Faecal Coliform	MPN/100ml	--	7

, MPN-Most Probable Number

Authorized Signatory

Seal of Laboratory

END OF REPORT

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Report no.-CEMC/TSSEZL/061225/W2

Issued Date-06.12.2025

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 24.11.2025
Sampling by : Mr. R.N Das
Date of Sample Received : 25.11.2025
Date of Analysis : 25.11.2025 to 03.12.2025
Sample Description : Surface Water
Sample Location : Khari Nalla, Down Stream(SW2)
Reference No. :CEMC-06122025W2

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW2
1	Colour, Max.	Hazen	300	15
2	pH Value @ 25°C	--	6.5 to 8.5	7.66
3	Turbidity	NTU	--	9.5
4	Total Suspended Solids	mg/l	--	27.8
5	Iron as Fe, Max.	mg/l	50	0.31
6	Chloride as Cl, Max.	mg/l	600	39.9
7	Dissolved Solids, Max.	mg/l	1500	170
8	Dissolved Oxygen, Min.	mg/l	4	5.8
9	BOD for 3 days@ 27 ⁰ C, Max.	mg/l	3	<2.0
10	Oil & Grease, Max.	mg/l	0.1	ND
11	Copper as Cu, Max.	mg/l	1.5	<0.03
12	Sulphate as SO ₄ , Max.	mg/l	400	29.4
13	Nitrate as NO ₃ , Max.	mg/l	50	1.8
14	Fluoride as F, Max.	mg/l	1.5	0.26
15	Anionic detergent	mg/l	1	ND
16	Cadmium as Cd, Max.	mg/l	0.01	<0.003
17	Selenium as Se, Max.	mg/l	0.05	<0.001
18	Arsenic as As, Max.	mg/l	0.2	<0.001
19	Cyanide as CN, Max.	mg/l	0.05	ND
20	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
21	Lead as Pb, Max.	mg/l	0.1	<0.01
22	Zinc as Zn, Max.	mg/l	15	<0.05
23	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
24	Total Coliform, Max.	MPN/100ml	5000	291
25	Faecal Coliform	MPN/100ml	--	11

NB: ND, Not Detectable, MPN-Most Probable Number

END OF REPORT

Authorized Signatory

Seal of Laboratory

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Report No. - CEMC/ TSSEZL /061225/N

Issued Date-06.12.2025

Name & Address of the Client	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur
Reference No.	CEMC-06122025N
Nature of Sampling	Noise Monitoring
Sampling By	Mr. R.N Das
Instrument Used	Noise Level Meter
Sampling Period	24 Hours

NOISE MONITORING REPORT

Date of Sampling	Locations	NL Day Time dB (A)			NL Night Time dB (A)		
		Max	Min.	Avg.	Max.	Min.	Avg.
24.11.2025	Near Project office	66.7	60.3	63.5	59.7	54.3	57.0
24.11.2025	Near main gate(Chamakhandi)	68.6	65.5	67.2	62.4	58.2	60.3

End of Report

NATIONAL STANDARD NOISE LEVEL

Area Code	Category of Area/Zone	Permissible Limit in dB (A)	
		Day Time	Night Time
A	Industrial Area*	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40


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Seal of Laboratory

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Report no.-CEMC/TSSEZL/061125/A1

Issued Date-06.11.2025

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Project Office gate
Weather Conditions	Clear
Reference No.	CEMC-06112025A1
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
02.10.2025	69.8	36.2	12.14	16.42	0.41	--	--	--	--	--	--	--
06.10.2025	65.6	34.4	11.08	15.12	0.47	--	--	--	--	--	--	--
09.10.2025	62.5	30.6	9.26	13.24	0.34	--	--	--	--	--	--	--
13.10.2025	60.4	30.1	8.42	12.58	0.4	--	--	--	--	--	--	--
16.10.2025	67.2	34.8	11.24	15.62	0.44	--	--	--	--	--	--	--
20.10.2025	69.8	35.2	12.78	16.94	0.52	--	--	--	--	--	--	--
23.10.2025	66.9	34.1	10.44	14.72	0.48	<20	<10	<0.05	<3.2	<0.1	<5	<1
27.10.2025	60.5	26.3	9.12	11.38	0.28	--	--	--	--	--	--	--
30.10.2025	58.8	24.6	7.06	11.12	0.22	--	--	--	--	--	--	--
Avg	64.61	31.81	10.17	14.13	0.40	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part- 2)	IS: 5182 (Part- 6)	IS: 5182 (Part- 10)	IS: 5182 (Part- 25)	IS: 5182 (Part- 9)	IS: 5182 (Part- 22)	IS: 5182 (Part- 26)	As per CPCB method followed by AAS	IS: 5182 (Part- 11)	IS: 5182 (Part- 12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT

Bpdal
Authorized Signatory

Seal of Laboratory

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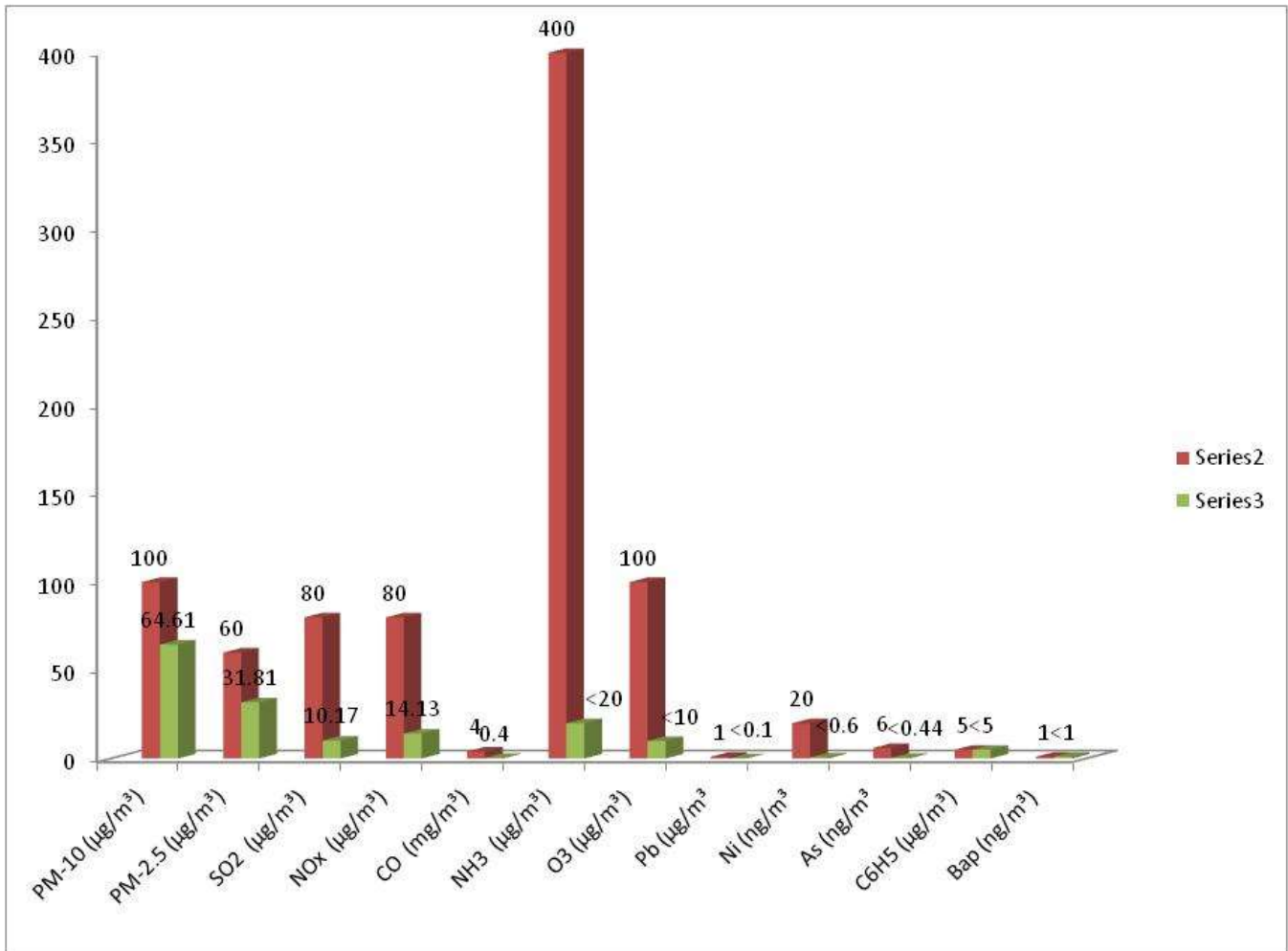
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This Graph is belongs to Station-01(Near TSSEZL Project Office) For the Month of Oct-25

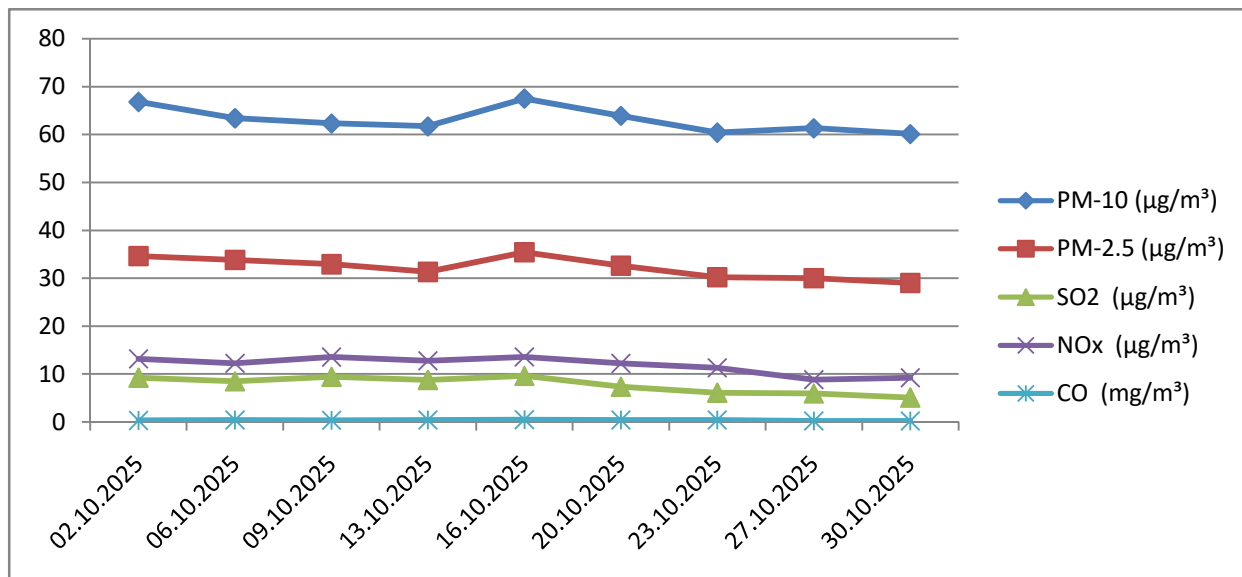
NB-Series2 –Stands for Standard, Series3 –Stands for Result



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This Graph is belongs to Station-01(Near TSSEZL Project Office gate) For the Month of Oct-25



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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/061125/A2

Issued Date-06.11.2025

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Crusher
Weather Conditions	Clear
Reference No.	CEMC-06112025A2
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
02.10.2025	67.4	35.2	12.31	16.18	0.63	--	--	--	--	--	--	--
06.10.2025	64.8	33.5	10.56	14.28	0.6	--	--	--	--	--	--	--
09.10.2025	69.9	35.9	11.78	15.46	0.56	--	--	--	--	--	--	--
13.10.2025	66.2	34.1	10.44	14.54	0.5	--	--	--	--	--	--	--
16.10.2025	67.3	34.8	10.84	15.76	0.58	--	--	--	--	--	--	--
20.10.2025	68.6	35.1	14.26	18.91	0.61	--	--	--	--	--	--	--
23.10.2025	65.3	33.9	10.62	14.44	0.44	<20	<10	<0.05	<3.2	<0.1	<5	<1
27.10.2025	60.6	31.4	8.08	12.38	0.29	--	--	--	--	--	--	--
30.10.2025	59.7	26.9	7.92	11.62	0.24	--	--	--	--	--	--	--
Avg	65.53	33.42	10.76	14.84	0.49	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part- 2)	IS: 5182 (Part- 6)	IS: 5182 (Part- 10)	IS: 5182 (Part- 25)	IS: 5182 (Part- 9)	IS: 5182 (Part- 22)	IS: 5182 (Part- 26)	As per CPCB method followed by AAS	IS: 5182 (Part- 11)	IS: 5182 (Part- 12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT

B.P.Das

Authorized Signatory

Seal of Laboratory

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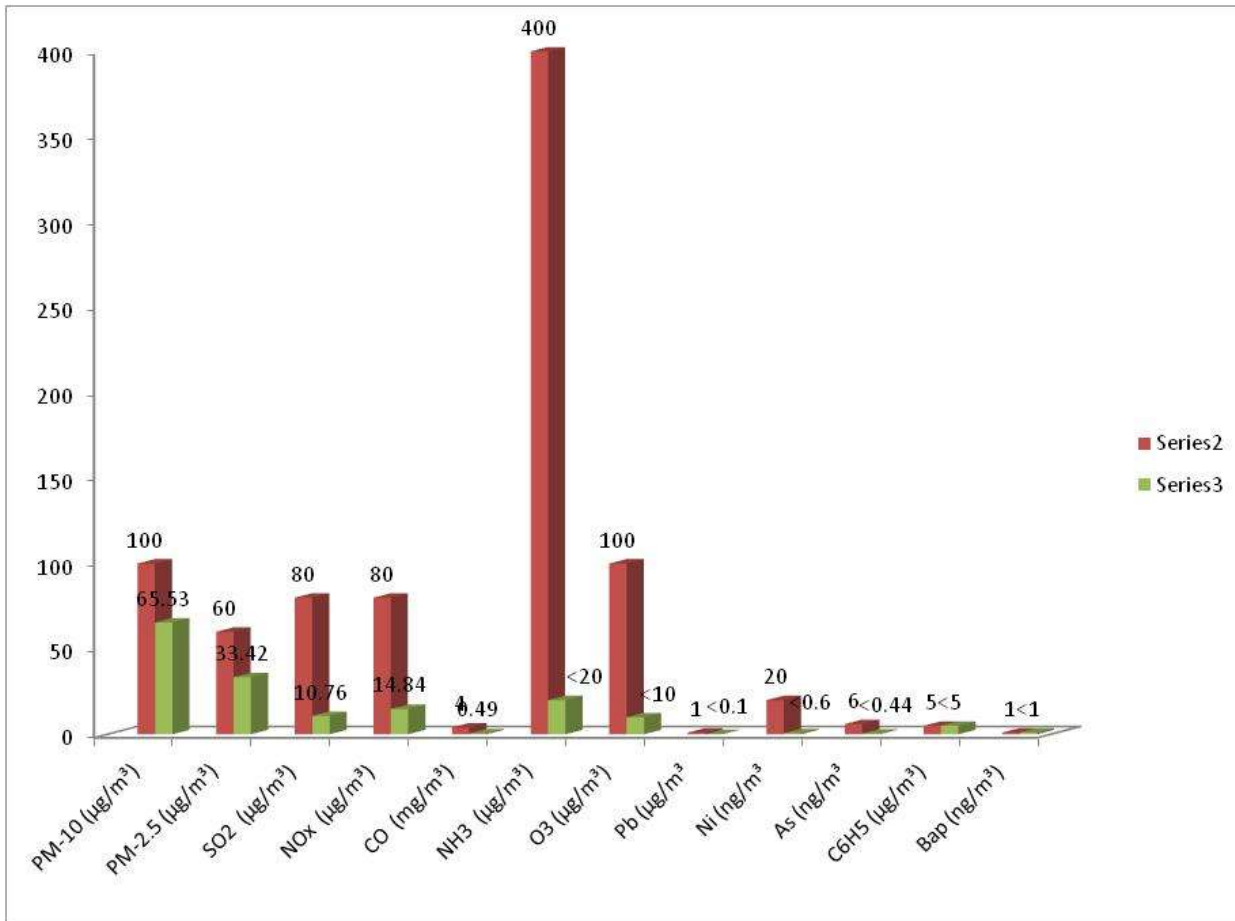
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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689



This Graph is belongs to Station-02(Near Crusher) For the Month of Oct-25

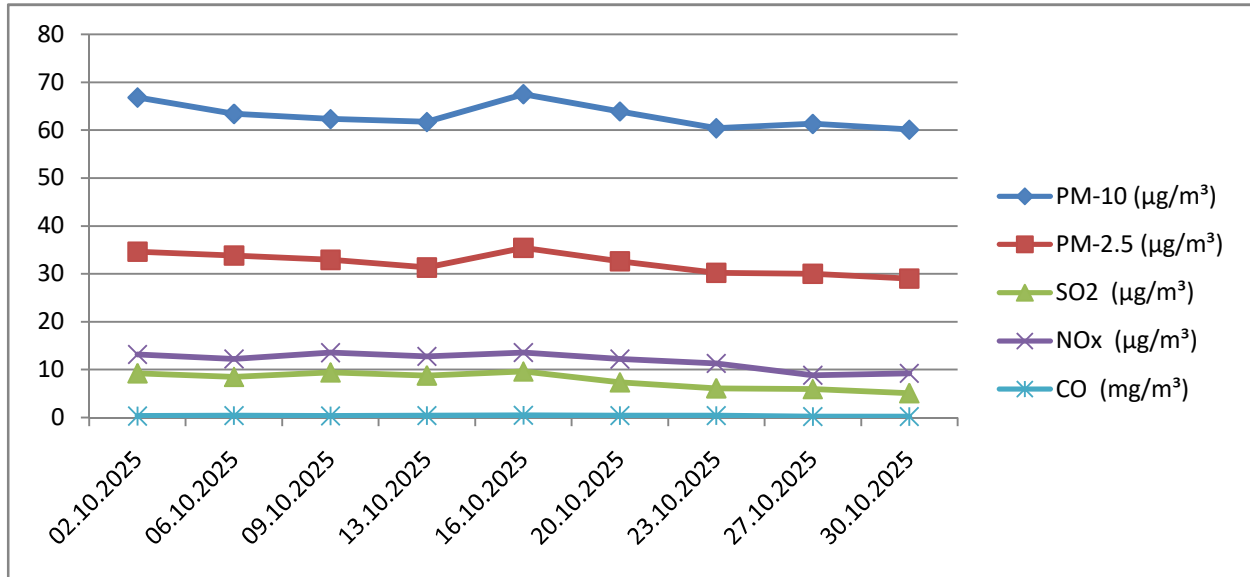
NB-Series2 –Stands for Standard, Series3 –Stands for Result



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This Graph is belongs to Station-02(Near Crusher) For the Month of Oct-25



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Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689

Report no.-CEMC/TSSEZL/061125/A3

Issued Date-06.11.2025

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Sampling Location	Near Main Gate (Chamakhandi)
Weather Conditions	Clear
Reference No.	CEMC-06112025A3
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	NH ₃ ($\mu\text{g}/\text{m}^3$)	O ₃ ($\mu\text{g}/\text{m}^3$)	Pb ($\mu\text{g}/\text{m}^3$)	Ni (ng/m^3)	As (ng/m^3)	Benzene ($\mu\text{g}/\text{m}^3$)	BaP (ng/m^3)
02.10.2025	66.8	34.6	9.28	13.18	0.34	--	--	--	--	--	--	--
06.10.2025	63.4	33.8	8.52	12.26	0.41	--	--	--	--	--	--	--
09.10.2025	62.3	32.9	9.44	13.54	0.38	--	--	--	--	--	--	--
13.10.2025	61.7	31.3	8.82	12.78	0.43	--	--	--	--	--	--	--
16.10.2025	67.5	35.4	9.66	13.56	0.49	--	--	--	--	--	--	--
20.10.2025	63.9	32.6	7.38	12.22	0.43	--	--	--	--	--	--	--
23.10.2025	60.4	30.2	6.14	11.32	0.42	<20	<10	<0.05	<3.2	<0.1	<5	<1
27.10.2025	61.3	30.0	5.98	8.86	0.25	--	--	--	--	--	--	--
30.10.2025	60.1	29.0	5.12	9.24	0.24	--	--	--	--	--	--	--
Avg	63.04	32.20	7.82	11.88	0.38	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-24)	IS: 5182 (Part-24)	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)	IS: 5182 (Part-25)	IS: 5182 (Part-9)	IS: 5182 (Part-22)	IS: 5182 (Part-26)	As per CPCB method followed by AAS	IS: 5182 (Part-11)	IS: 5182 (Part-12)

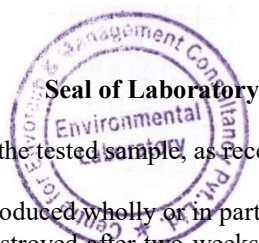
N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

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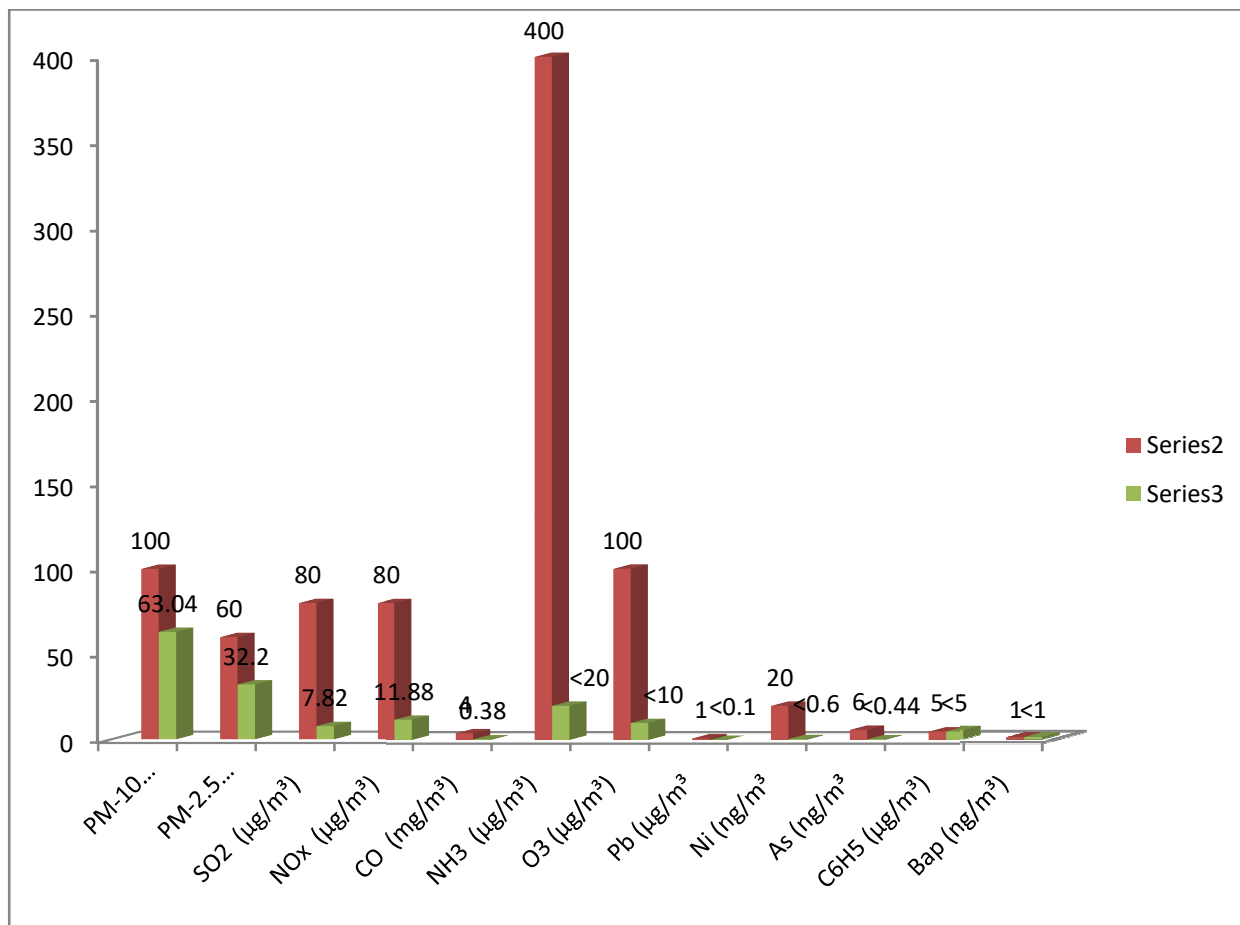
Deals with Environmental Studies (EIA & EMP), Monitoring, Forest Diversion Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS & GIS, Hydrological Studies, Socio-economic Studies, DGPS & ETS Survey.



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An ISO 9001:2015, ISO 45001:2018 & ISO 14001:2015 Certified Company,

Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, E-mail: cemclab@yahoo.in. Mobile: 9439050689



This Graph is belongs to Station-03(Near Main Gate (Chamakhandi) For the Month of Oct-25

NB-Series2 –Stands for Standard, Series3 –Stands for Result

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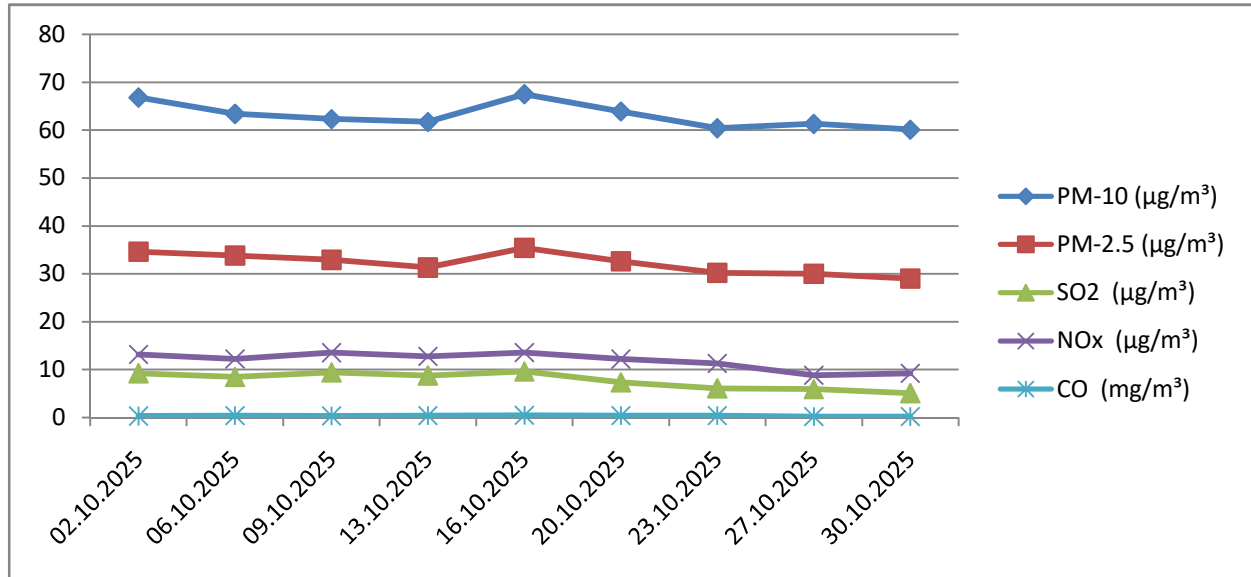
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Report no.-CEMC/TSSEZL/061125/A4

Issued Date-06.11.2025

SPECIAL AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Mr. R.N Das
Weather Conditions	Clear
Reference No.	CEMC-06112025A4
Instrument Used	Respirable Dust Sampler,

ANALYSIS RESULT

Locations	Date	NH ₃ (µg/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Benzene (µg/m ³)	BaP (ng/m ³)
Near Project Office Gate	23.10.2025	<20	<10	<0.05	<3.2	<0.1	<5	<1
Near Crusher	23.10.2025	<20	<10	<0.05	<3.2	<0.1	<5	<1
Near Main Gate(Chamakhandi)	23.10.2025	<20	<10	<0.05	<3.2	<0.1	<5	<1
NAAQ* Standard		400	100	1.0	20	6	5	1
Methods of Analysis		IS: 5182 (Part-25)	IS: 5182 (Part-9)	IS: 5182 (Part-22)	IS: 5182 (Part-26)	As per CPCB method followed by AAS	IS: 5182 (Part-11)	IS: 5182 (Part-12)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

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Report no.-CEMC/TSSEZL/061125/W1

Issued Date-06.11.2025

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 23.10.2025
Sampling by : Mr. R.N Das
Date of Sample Received : 24.10.2025
Date of Analysis : 24.10.2025 to 31.10.2025
Sample Location : Khari Nalla, Up stream(SW1)
Reference No. : CEMC-06112025W1

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW1
1	Colour, Max.	Hazen	300	15
2	pH Value @ 25°C	--	6.5 to 8.5	7.19
3	Turbidity	NTU	--	5.8
4	Total Suspended Solids	mg/l	--	21.9
5	Iron as Fe, Max.	mg/l	50	0.15
6	Chloride as Cl, Max.	mg/l	600	36.9
7	Dissolved Solids, Max.	mg/l	1500	191
8	Dissolved Oxygen, Min.	mg/l	4	5.8
9	BOD for 3 days@ 27 ⁰ C, Max.	mg/l	3	<2.0
10	Oil & Grease, Max.	mg/l	0.1	ND
11	Copper as Cu, Max.	mg/l	1.5	<0.03
12	Sulphate as SO ₄ , Max.	mg/l	400	24
13	Nitrate as NO ₃ , Max.	mg/l	50	2.2
14	Fluoride as F, Max.	mg/l	1.5	0.16
15	Anionic detergent	mg/l	1	ND
16	Cadmium as Cd, Max.	mg/l	0.01	<0.003
17	Selenium as Se, Max.	mg/l	0.05	<0.001
18	Arsenic as As, Max.	mg/l	0.2	<0.001
19	Cyanide as CN, Max.	mg/l	0.05	ND
20	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
21	Lead as Pb, Max.	mg/l	0.1	<0.01
22	Zinc as Zn, Max.	mg/l	15	<0.05
23	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
24	Total Coliform, Max.	MPN/100ml	5000	177
25	Faecal Coliform	MPN/100ml	--	11

, MPN-Most Probable Number

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Report no.-CEMC/TSSEZL/061125/W2

Issued Date-06.11.2025

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 23.10.2025
Sampling by : Mr. R.N Das
Date of Sample Received : 24.10.2025
Date of Analysis : 24.10.2025 to 31.10.2025
Sample Description : Surface Water
Sample Location : Khari Nalla, Down Stream(SW2)
Reference No. :CEMC-06112025W2

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW2
1	Colour, Max.	Hazen	300	25
2	pH Value @ 25°C	--	6.5 to 8.5	7.72
3	Turbidity	NTU	--	11.8
4	Total Suspended Solids	mg/l	--	30.2
5	Iron as Fe, Max.	mg/l	50	0.36
6	Chloride as Cl, Max.	mg/l	600	45.9
7	Dissolved Solids, Max.	mg/l	1500	180
8	Dissolved Oxygen, Min.	mg/l	4	5.6
9	BOD for 3 days@ 27 ⁰ C, Max.	mg/l	3	<2.0
10	Oil & Grease, Max.	mg/l	0.1	ND
11	Copper as Cu, Max.	mg/l	1.5	<0.03
12	Sulphate as SO ₄ , Max.	mg/l	400	31.8
13	Nitrate as NO ₃ , Max.	mg/l	50	2.2
14	Fluoride as F, Max.	mg/l	1.5	0.18
15	Anionic detergent	mg/l	1	ND
16	Cadmium as Cd, Max.	mg/l	0.01	<0.003
17	Selenium as Se, Max.	mg/l	0.05	<0.001
18	Arsenic as As, Max.	mg/l	0.2	<0.001
19	Cyanide as CN, Max.	mg/l	0.05	ND
20	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
21	Lead as Pb, Max.	mg/l	0.1	<0.01
22	Zinc as Zn, Max.	mg/l	15	<0.05
23	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
24	Total Coliform, Max.	MPN/100ml	5000	342
25	Faecal Coliform	MPN/100ml	--	20

NB: ND, Not Detectable, MPN-Most Probable Number

END OF REPORT

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Report No. - CEMC/ TSSEZL /061125/N

Issued Date-06.11.2025

Name & Address of the Client	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur
Reference No.	CEMC-06112025N
Nature of Sampling	Noise Monitoring
Sampling By	Mr. R.N Das
Instrument Used	Noise Level Meter
Sampling Period	24 Hours

NOISE MONITORING REPORT

Date of Sampling	Locations	NL Day Time dB (A)			NL Night Time dB (A)		
		Max	Min.	Avg.	Max.	Min.	Avg.
23.10.2025	Near Project office	65.4	59.6	62.5	58.8	53.2	56.0
23.10.2025	Near main gate(Chamakhandi)	67.9	64.3	66.1	61.5	57.1	59.3

End of Report

NATIONAL STANDARD NOISE LEVEL

Area Code	Category of Area/Zone	Permissible Limit in dB (A)	
		Day Time	Night Time
A	Industrial Area*	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40


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Departmental Annual Updates (CSR Division)

Dept. Head Name: Dr Jayant Kumar Tripathy	Month / Year: FY 2025-26
Department : TSF, Gopalpur	Date : 25/05/2026

Key initiatives/activities of this FY 2025-26

Jyoti Fellowship

As a part of its Affirmative Action policy, Tata Steel Foundation offers support to the needy and deserving students of SC/ST communities who are pursuing higher education. One such support being provided to meritorious SC/ST students through Tata Steel's Tribal Cultural Society since the mid-1970s was named as Jyoti Fellowship in 2004-05. The structured to cater to high school, intermediate, undergraduate, and post-graduate students from the economically backward SC/ST families, the fund obligated by the company has increased over the years. Jyoti Fellowship extends financial help to students from Kolhan region (East Singhbhum, West Singhbhum and Seraikela, Kharsawan districts), Jamadoba and West Bokaro of Jharkhand. Similarly, in Sukinda, Bamnipal, Joda, Gopalpur, Kalinganagar, Gomardih and Katamati of Odisha. Tata Steel's Tribal Cultural Society identifies deserving candidates from operational areas of the company based on a merit test.



FAAC Sheet of Jyoti Fellowship In FY 2025-26							
Sl. No.	Class	Total Students	Rangeilunda Block	Chatrapur Block	Award Amount in Rs	Total Award Amount in Rangeilunda Block (Rs.)	Total Award Amount in Chatrapur Block (Rs.)
1	7 th	81	30	51	6,000.00	1,80,000.00	3,06,000.00
2	8 th	115	30	85	6,000.00	1,80,000.00	5,10,000.00
3	9 th	233	86	147	9,000.00	7,74,000.00	13,23,000.00
4	10 th	100	37	63	9,000.00	3,33,000.00	5,67,000.00
5	11 th	36	13	23	18,000.00	2,34,000.00	4,14,000.00
6	12 th	11	1	10	18,000.00	18,000.00	1,80,000.00
7	Degree 1st year	30	12	18	25,000.00	3,00,000.00	4,50,000.00
8	Degree 2nd	13	2	11	25,000.00	50,000.00	2,75,000.00
9	Degree 3rd year	14	5	9	25,000.00	1,25,000.00	2,25,000.00
		633				21,94,000.00	42,50,000.00
		Total Award Amount					64,44,000.00
		Program Admin cost					1,50,000.00
		Grand Total					65,94,000.00

Guidelines:

1. A student must belong to Scheduled Tribe or a Scheduled Caste.
2. Economic Group: Below Poverty Line (BPL-60%) and Above Poverty Line (APL-40%) for School level only.
3. Gender: Girls (25% reservation) for school level only.

Mode of Selection:

1. Merit test at various levels: Class VII/VIII, Degree (First Year).
2. Renewal of fellowship from class VIII to Class XII subject to minimum 45% marks scored in annual examination conducted by the school. Once selected, a student is eligible for renewal in the subsequent years till the completion of the course if the candidate gets promoted.

- Selection of P.G/L.L.B/Diploma/Polytechnic/Professional courses on the basis of marks secured in minimum eligibility exam, e.g. – Matriculate, Diploma course, Graduation for MBA/MCA etc.

What the Fellowship offers?

- All students who receive the fellowship get the fellowship amount annually subject to fulfilment of the set criteria.
- A computer tablet is given to toppers at the school and college level. Based on a certain cut-off percentage of marks, few students from each location are short-listed by Tata Steel foundation and are awarded with tabs with pre-loaded NCERT syllabus up to Std X.
- All the students who clear the cut-off for the Class VII Merit test and are eligible to receive Fellowship also get a certificate and a gift which could be a solar lantern / a wristwatch/Tablet/Laptop.



Primary Learning Centre (PLC)

Total Running of PLC Centers	1st Class		2nd Class		3rd Class		4th Class		5th Class		6th Class		7th Class		TOTAL IN NUMBERS		CASTE IN NUMBERS				
	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	ST	SC	OBC	GEN	Total Students
	114	108	72	89	72	95	85	104	92	77	87	81	95	90	617	644		450	635	176	1261

Program Details:

1. Running Primary Learning Centers:

In the past year, our primary learning centers continued to thrive, providing quality education to young minds. We expanded outreach, reaching more communities and ensuring access to foundational learning for children.

2. Organizing Teachers' Training:

A key focus was empowering our educators through comprehensive training programs. Workshops, seminars, and online courses enhanced teaching methodologies, ensuring our teachers stay abreast of the latest pedagogical techniques and maintain high standards in the classroom.

3. Celebration of Teachers' Day:

We celebrated Teachers' Day with enthusiasm, recognizing and appreciating the dedication of our educators. Various activities and events showcased the vital role teachers play in shaping the future. This not only boosted morale but also fostered a sense of community among our teaching staff.



4. Celebration of Children Day: The Children's Day was a resounding success, providing a platform for our students to showcase their talents and creativity. Through art exhibitions, performances, and interactive games, the Children's Day not only entertained but also promoted holistic development, creating a joyful learning environment.

Outcomes and Impact:

- Increased enrolment in primary learning centres, emphasizing our commitment to education accessibility.
- Elevated teaching standards with ongoing professional development for educators.
- Strengthened teacher-student relationships through the celebration of Teachers' Day.
- Enhanced the overall learning experience for children through the engaging Children Mela.

Future Initiatives:

While we celebrate our achievements, we recognize the challenges ahead. Future initiatives include expanding learning centers, integrating technology into teaching practices, and collaborating with local communities for sustainable development.

Computer & English Learning Centre through NIIT Foundation.

Background

NIIT Foundation (NF) in collaboration with TATA Steel Foundation has been successfully running 4 Skill Development Centres in Odisha starting from 2014. Since then, the Centres have positively impacted more than

3,000 beneficiaries along with their family members and the local communities. The Centres have been providing training in various skill courses to the students helping them enhance their skill sets in IT and soft skills.

Project Overview

The TATA Steel Foundation - Skill Development Centres (SDC) caters to the requirement of IT and soft skills among the vast employable population residing in and around rural areas of Sukinda and Joda in Odisha and West Bokaro, Sijua and Jamadoba in Jharkhand. Through this initiative, Tata Steel Foundation will continue to raise the target population's education standards, leading to overall community development in the long run.

With the experience of running the Centres for more than 10 years now, NIIT Foundation will continue operations of skilling courses in **2 existing centres in Odisha and set-up 4 new centres in Jharkhand &**

TATA STEEL FOUNDATION, GOPALPUR UNIT						
Computer & English Learning Centre through NIIT Foundation at Narendrapur						
Sl. No.	Program	Course Details	Duration	Eligibility	Target in FY 2025-26	Achieved
1	Skilling Courses	Basic IT	3 months	Minimum 8th pass, 14 years of age, able to read and understand simple English	128	162
2		Advanced IT	3-4 months	Minimum 12th pass, 18 years of age, able to read and understand simple English and have Basic Idea of Computer.	64	61
3		English Foundation	6 months	Minimum 8th pass, 14 years of age, able to read and understand simple English	96	73
4	Awareness Courses	Digital Literacy, Cyber Security	20 hours	Minimum 12th pass, 18 years of age, able to read and understand simple English and have Basic Idea of Computer.	144	219
Total					431	515

Objective

1. Provide end to end solution to the skilling needs of the community through SDCs.
2. Provide certified courses for students and youth in the community through SDCs.
3. Impart skilling for enhancing digital literacy and knowledge

The Green School

'The Green School' is a pioneering collaboration between the Tata Steel Foundation and TERI (The Energy and Resources Institute), launched in April 2017. This initiative aims to foster critical thinking, interdisciplinary learning, and a profound understanding of environmental preservation among students in Tata Steel's operational

areas. By integrating themes such as Energy, Water, Forest & Biodiversity, and Waste with climate change and Sustainable Development Goals (SDGs), 'The Green School' empowers young individuals to advocate for the well-being of our planet by initiating behavioural changes.



We are working at Narendrapur High School, Chamakhandi High School, UPS Sindhigoan, and UPS, Kalipalli with 523 student's boys 310 and girls 213 students to create awareness among

students about the importance of conserving energy and promoting sustainable practices.

Livelihood Agriculture (Sustainable livelihood Development through Climate Resilience practices):

Ganjam district in Odisha is predominantly an agriculture-based economy. Negligible industrialization has taken place and hence manufacturing activities are rare in the region. People are mostly employed in agricultural activities as farmers (landowner or leaseholder). Many also work as agricultural labors. The main occupation of people in the area is agriculture (paddy as a mono crop) and Kewda (an aromatic plant called as screw pine) cultivation. However, the population is mostly dominated by landless, marginal or small land holders. Kewda is a major source of income for people in TSF periphery. Income from Kewda has undergone a severe downfall in the market for the past two-three years. However, of late, a better market is emerging from this year. Due to lack of irrigation facilities, cultivation of rabi and summer crops are not widely done in many of the peripheral villages.



However, non-farm interventions like fishery, mushroom and dairy have a great potential to become supplementary sources of livelihood for people in this area. Prioritizing the need of the area and people, various interventions are being carried out by Tata Steel Foundation. The aim is to achieve socio-economic development in this area.

Being a CSR arm of Tata Steel Ltd, Tata Steel foundation has been emphasizing on building human capital and imparting knowledge and skills to individuals and groups (SHGs) interested in initiating livelihood activities and bettering the existing ones. It is a fact that, people are not getting good income because they have lack know-how for maximum production. To address this gap, efforts have been made to impart knowledge and skills and involve them into dignified, meaningful and sustainable livelihoods.



For the past over ten years, Tata Steel foundation has been making earnest efforts to help people in adopting sustainable livelihood means in peripheral villages. With an objective to promote livelihoods, TSF extends support in the form of capacity-building trainings, exposure visits and critical inputs for agriculture and allied interventions, job-based skill development trainings and micro-entrepreneurship (non-farm) development. While implementing such initiatives, the strategy of TSF is very clear from the beginning that whatever it would do, it would be in participatory approach and in no way 100% grant would be given to the beneficiaries for livelihood interventions. It was also clear that there would be no discriminations in the process and support between peripheral and displaced communities in this context, TSF succeeded in mobilizing people and generating

contributions worth 30-40% of the total cost of the projects including dairy, poultry, pisciculture and other than non-farm micro enterprises.

Geographical area of Agriculture & Allied interventions in Gopalpur unit:

Sl. No.	Block	Nos of GP	Nos of villages
1	Rangeilunda	8	21
2	Chhatrapur	14	68
3	Purusotampur	2	4
4	Ganjam	8	30
5	Rambha & Gopalpur NAC		2
6	Hinjilicut	7	12
7	Aska	3	5
8	Sheragad	7	24
9	Kukudakhandi	1	2
	Total	50	167

Promotion of System of Rice Intensification:

With an aim to increase the production and productivity of paddy of farmers in its operational area, Tata Steel Foundation started promoting of SRI (System of Rice Intensification) and line transplanting since from the year 2014-15. During 2025-26, a total of 15,850 acres (22,500



farmers) was brought under SRI paddy cultivation. To Increase the income of farmers through diversified farming has been introduced in kharif season with cultivation of vegetables in 7500 Acre, Maize in 720-acre, millet in 180 Acre, foot yam in 380 Acre & Betel vine in 50 Acre respectively associated with 22,500 farmers during Kharif 2025-26.

With the facilitation of TSF, Gopalpur and in collaboration with Directorate of Agriculture, 164 quintal of paddy seeds ((vari ety-Pooja, Moti, Kalachampa, Swarna sub 1) have been distributed among the 398 farmers covering 820 acre in Rangeilunda, Chatrapur, Ganjam blocks under State

Plan through DBT scheme. The SRI paddy line transplanting have been completed

in 5840 acre among 4680 small & marginal farmers in operational villages. Distribution of Fruit crop planting materials and plantation completed in 21 Acre among 42 farmers of Rangeilunda & Chatrapur block.



With the facilitation of TSF, Gopalpur and in collaboration with Department of Forest & Environment, Govt of Odisha, under ECRICC project 150 acre of SRI paddy has been undertaken associated with 300 farmers with financial assistance of Rs. 2000 per Acre. Total Financial Rs 3.00 lakhs. 43 Acre of fruit crop plantation (Mango, Apple ber, Jack fruit, Guava, Coconut, Banana, Papaya) has been covered under waste land development through fruit crop orchard covering with 88 farmers. Under Poshan project 240 nos of papaya, 550 nos of Guava & 200 nos of Jack fruit saplings have been supported to SAM/MAM mothers covering 495 HH

Key Highlights:

Promotion of Farm Mechanization:

To extend farm mechanization with the objectives to reduce the cost of cultivation and TSF, Gopalpur, had provided 200 Power Sprayers during this financial year to reduce the cost of cultivation.

Disease Pest Management through Biological Method:

The farmers have been trained on scientific cultivation practices and use of Pheromone trap, Yellow card and Biofertilizer through biological method to increase production and reduce in cost of cultivation. Trainings have been imparted in collaboration with the Government Agriculture Department and Krishi Vigyan Kendras (KVKs). The various capacity building training programs on IPM (Integrated Pest Management) and INM (Integrated Nutrition Management) have been conducted with 1872 small & marginal farmers in the TSF periphery villages.



Way forward:



the interventions through farmers' network with different government departments, agencies and institutions.

1. Scaling up of promotion of System of Rice Intensification program and reaching out 25,000 farmers in the next two years.
2. Promotion of cultivation of second crops like oilseeds, pulses, vegetables, maize, Betel vine, Foot yam and other viable new crops to increase the farm income by using residual moisture.
3. Carry forward the outcome of the project and scale up

Promotion of pulses, oilseed & vegetables:

With an aim to increase the cropping intensity and getting additional income by using the residual moisture in the soil during rabi season in its periphery villages, Tata Steel Foundation, started promoting cultivation of Green Gram, Groundnut and vegetables since 2016 through awareness meeting and training. A total of 17000 acres (17000 farmers) was brought under cultivation of second crops in 1 villages of 08 blocks & Rambha NAC of Ganjam district.

Key Highlights:

1. A total of 22,500 farmers and 18 community resource persons have been trained on packages of practices and use of modern technology to increase the crop yield. Both on farm and classroom trainings have been subsidized in collaboration with the Government Agriculture Department and Krishi Vigyan Kendra.
2. Various capacity building programs on IPM (Integrated Pest Management) and INM (Integrated Nutrition Management) have been undertaken with a special focus on Community Resource Persons (CRPs) and farmers.

Challenges:

1. Lack of irrigation facilities in the periphery villages is one of the major challenges towards the adoption of the second crop.
2. Due to erratic rain fall the harvesting of paddy crop is also major challenges for the farmers leading to lodging of crop in the field which decreases the productivity and income.

Dairy Development:

(A Move towards Sustainable Alternative Livelihood)

In FY 2024-25, Tata Steel Foundation, Gopalpur, initiated Dairy Development Program as an alternate source of livelihood for the periphery villagers. Initially, farmers didn't have quality milch animals, thus, TSF on contribution basis, gave 10 cross breed milch animals to 10 farmers of Brajnagar village in FY 2013-14. Seeing the success of Brajnagar and to meet the request of farmers from Tata Rehab Colony, TSF, on contribution basis, gave 15 cross breed milch animals to 15 farmers. In continuation to the same, TSF gave 2nd cross breed milch animal on contribution basis to selected 6 farmers of Tata Rehab Colony and 9 cross breed milch animal to 9 farmers of Narendrapur Village in FY 2015-16.



The objective of providing support to farmers in the purchase of cross breed milch animal was to link the farmers with OMFED (**Odisha State Cooperative Milk Producers Federation Ltd**) where the farmers can sell milk 365 days in a year and can avail right price of their milk based on SNF and fat parameters. Apart from milk collection, OMFED



also conducted cattle health camp at each society in a three-month interval, providing cattle feed, mineral mixture at a 7 subsidized rate to farmers, promotion of Azolla cultivation, fodder cultivation etc.

TSF, Gopalpur, in collaboration with OMFED, started two milk producers' societies at New Sindhigaon Milk Society at Tata Rehab Colony and Brajanagar Milk Society, Brajanagar, in FY 2014-15. On the success of both the societies, TSF opened a new milk society at Narendrapur village in the FY 2015-16 and FY 2016-17 at Sindurapur and New Laxminarayanpur. Under the flagship program, NDDDB (National Dairy Development Board) is providing an incentive Rs 2000 – 2,500 pm to the five society secretaries for milk collection, record keeping and sample testing. A 2000-liter capacity of Bulk Milk Cooler has been established at New Sindhi Gaon, in collaboration with OMFED & NABARD in FY 2016-17. Milk collected from the societies Narendrapur, Sundarpur, NewSindhigaon, New Laxmi Narayanpur is stored at BMC and from there it is transported to OMFED, Ankushpur factory, through their tankers.

Milk Collection: 6,23,682 liters as on 30th Sept 2025 through 10 nos. Milk Collection Centers & MPCS

Convergence of Dairy development Initiatives:

The convergence scheme for dairy development program, the azolla farming in concrete pit under Kamadhenu Yojana, calves rearing & dairy farming under Mukhyamantri Krishi Udyogi Yojana have been undertaken in collaboration with F&ARD Department among the 54 dairy farmers of Chatrapur block with the finance assistance of Rs. 20.04 lakhs.



Observation of World Rabies Day 2025 at Chatrapur, Ganjam: In collaboration with Tata Steel Foundation, Gopalpur and Animal Resources Development Department, GoO, Ganjam, World Rabies Day 2025 was observed on 26th September 25 at Jaugada Conference Hall,

DRDA, Chatrapur. The event, held under the global theme “Act Now: You, Me, Community” witnessed active participation of 72 stakeholders including BVOs, AVAS, VAS, LIs, pet lovers and pet owners. The program was graced by Ms. Mrinalika Rathore, IAS, Executive Officer, NAC, Chatrapur as Chief Guest, along with distinguished guests Sri Sunil Kumar Kerketta, OAS (S), Project Director, DUDA, Chatrapur, Dr. Jayant Kumar Tripathy, Unit Lead, TSF, Gopalpur, Dr. Anjan Kumar Das, CDVO, Ganjam & Dr. S.K. Mohanty, Dy. Director, DVH, Chatrapur. The event commenced with a safety pause followed by technical sessions, where Dr. Tripathy, CDVO and veterinary experts highlighted the importance of rabies prevention and control, reinforcing community responsibility in eradicating rabies.



Entrepreneurship Development Program: (Kewda distillation Plant)

The Kallipalli Village of Chatrapur block in the vicinity of the Tata Steel SEZ Plant in Gopalpur region is blessed with a natural resources of kewda plant, which grows perennially and offers significant economic potential. The kallipalli village has a unique opportunity for economic development through the processing of Kewda flowers. The Kewda plant has emerged as a vital source of income for vulnerable families in the Gopalpur region. The Kewda flower harvesting in Kalipalli village occurs in two phases from March to September in the first phase and from November to January in the second phase.

These harvests involve the active participation of family members from the community. Currently, Kewda flowers harvested by local families are sold through collection agents who purchase the flowers at a price of Rs. 28 to 30 per unit. These agents, in turn, sell the flowers to distillation plants operating in the vicinity. In response to the economic potential of the Kewda plant, the Kalipalli community has formed the "Kallipalli Youth Kewda Society," comprising 25



vulnerable families with a total of 115 family members. With an objective to ensure the long-term sustainability, the society has secured a 15 years land lease agreement (attached), providing a stable foundation for the proposed distillation plant. The Kewda distillation plant is expected to have a substantial processing capacity with machinery and equipment to efficiently extract essential oils and other valuable products like distilled water, Ruh & essence etc. from Kewda flowers. This will not only create a new revenue stream but also offer employment opportunities for the local community.

The period from April to Sept 2025, the Kalipalli Youth Kewda Society, kalipalli village have been procured over 3.8 lakh of Kewda flowers from more than 200 households in Kalipalli village at ₹ 31 per flower, resulting in a total procurement value of approximately ₹117.8 lakh. The Ruh production commenced, and the Society has successfully produced 12 kg of raw Ruh, with a market value of ₹13.0 lakh per kg, leading to a total estimated production value of ₹156 lakh. The entire quantity is being sold to reputed buyers like M/s: Perfumers India Pvt Ltd, lucknow & M/s: Sri Laxmi Flavours Ltd, Delhi and other parties from Kannauj which are well known for traditional perfumery.

Gender & Community Enterprise:

1. First-Ever Disha Convocation at Gopalpur

The Gopalpur location witnessed its first-ever Disha Convocation, where 550 Disha graduates from multiple locations participated. This landmark event celebrated the journey of rural women who successfully completed their training under the Disha Leadership and Gender Program. The event was graced by eminent dignitaries including the President of the Zila Parishad, the Mayor of Berhampur, and the Vice Chancellor of Berhampur University, who appreciated the transformation led by women at the grassroots level.

2. Srujanika Achieves 42 Lakh Turnover

Srujanika Apparel and Craft Producer Company Ltd. supported under the Community Enterprise initiative, recorded a significant business milestone by achieving a turnover of 42 lakhs in the financial year 2024-25. This growth came through diversified business streams including corporate gifting, stationery supply, and stitching of uniforms for Odisha Police, Indian Army, and Indian Coast Guard. The achievement demonstrates the economic potential of women-led producer companies when nurtured with the right support and market linkage.

3. Revival of Pata Chitra Art through Institutional Collaboration

A strategic collaboration was formed with the Home Science Department of Berhampur University to revive the traditional Pata Chitra art form. As part of this cultural preservation initiative, a workshop was conducted that enabled 15 artisans from Srujanika to enhance their skills. These artisans successfully cracked government-

sponsored scholarships and received stipends, reaffirming the importance of heritage art as a sustainable livelihood opportunity.

4. Promotion of Women-Led Micro-Enterprises

Under the Community Enterprise vertical, various women-led micro-enterprises were initiated, including paper plate manufacturing, incense stick production, and food processing units. These enterprises have not only provided alternative livelihoods but have also been officially registered as Business Partners under Tata Steel Foundation (TSF), enabling them to access structured markets and institutional support for scaling their operations.

5. Digital Empowerment of 1,200 Women

A comprehensive Digital Literacy module was implemented, training 1,200 rural women in essential digital skills. The training covered access to various government services through the E-District portal, UPI-based digital payments, and fundamental cyber safety practices. This initiative significantly enhanced the digital inclusion of women in rural areas, empowering them to engage with technology for personal, financial, and professional growth.



In the Aspects of Skill Development: Jamsetji Nussewani Tata Technical Education Centre (JNTTEC), Gopalpur

Established in 2005 through a strategic collaboration between Tata Steel and NTTF, JNTTEC- Gopalpur is a premier technical education institute committed to industry-oriented skill development. Spread across a 10-acre campus, the institute offers a comprehensive learning ecosystem with modern classrooms, advanced laboratories, hostels, canteen facilities, and sports infrastructure, enabling holistic student development.



JNTTEC's flagship offering, the Diploma in Mechatronics Engineering and Smart Factory, introduced in FY 2006, is designed to align with emerging requirements of the manufacturing sector. The curriculum emphasizes hands-on training, industry-grade equipment, and practical exposure to

ensure graduates are job-ready and technically proficient.

The institute maintains a 100% placement record for eligible students, with graduates securing opportunities across leading mechanical and electrical organizations. Recruiters regularly include Tata Electronics, Schneider Electric, BIESSE, and Lohia Group, reflecting strong industry confidence in JNTTEC-trained talent. Supported by highly experienced faculty and immersive learning methodologies, JNTTEC continues to nurture skilled professionals equipped for modern industrial environments.

PRATHAM Skill Development Centre at JNTTEC

The PRATHAM Skill Development Centre, established through a collaboration between Tata Steel Foundation (TSF) and PRATHAM Pvt. Ltd., operates within the JNTTEC campus to provide short-term, employment-focused vocational training. The center currently offers specialized courses in:

1. Food Production
2. Food and Beverage Service
3. Multi-function Office Assistant

These programs, with durations ranging from 30 to 45 days, integrate theoretical learning with practical application. The center provides 100% placement assistance, maintaining an excellent placement track record. Graduates are placed with reputed employers such as ITC Murli Park, Minerva Grand, United Telugu Kitchen (Vijayawada), Pragati Resorts, Celebrity Resorts, and Ramoji Film City, Hyderabad. The center also ensures



participant well-being through hostel and meal facilities for both male and female candidates. With an annual intake capacity of 250 trainees and small batch sizes of approximately 25 participants, the center promotes personalized learning and effective skill absorption.

Sector-Specific Skill Initiatives:

Logistics Sector Skill Council (LSSC)

In partnership with LSSC, Tata Steel Foundation is delivering Forklift Operator Training, a 50-day paid certification program with 100% placement assurance. To date, four successful batches have been completed, with organizations such as Hindustan Unilever Limited (HUL) participating in recruitment.

NUA Odisha – Government of Odisha Initiative

Under the NUA Odisha program, the Government of Odisha, in collaboration with NTTF, has introduced short-term technical courses including CNC Operator – Turner. This 90-day program offers 100% placement assurance, with companies like Autocrat Engineers actively recruiting successful candidates. JNTTEC and its allied training initiatives form a robust ecosystem for technical education and skill development, effectively bridging the gap between education and industry while enabling sustainable employment opportunities for youth.

Public Health

Non-Communicable Diseases :

Tata steel foundation in collaboration with the Government to provide support for the National Programme for Prevention and Control of Cancer, Diabetes, Cardiovascular Diseases and Stroke (NPCDCS). This support will involve facilitating screening activities for Hypertension, Diabetes, Oral Cancer and Breast Cancer, as well as strengthening referral mechanisms for suspected cases, with the aim of providing early treatment and reducing complications. Additionally, TSF will focus on building the capacity of ASHAs, ANMs, and creating Village Peer Leaders to undertake Behaviour Change Communication (BCC) sessions at various levels, which will help minimize risk factors for Non-Communicable Diseases (NCDs). SDG Target 3.4: Non-communicable diseases: By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment. The NCD team observes important days at the community level to raise awareness. To empower women in detecting breast cancer, the team trains eligible women on Breast Self-Examination.



SDG Target 3.4: Non-communicable diseases: By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment. The NCD team observes important days at the community level to raise awareness. To empower women in detecting breast cancer, the team trains eligible women on Breast Self-Examination.

Objective: Reduce by one third premature mortality from non-communicable diseases through prevention and treatment by the

year of 2030 aligning with SDG goal. Activities are as follows:

1. Primary Prevention-Capacity Building of Health Care Workers – ASHAs /ANMs/CHOs on prevention of NCDs
2. Training of eligible women on Breast Self-Examination.:
3. Creation of peer leaders in Villages
4. Convergence with State/ District/Block Health Office
5. Facilitating CBAC entries by ASHAs for further documentation in NCD Portal
6. Community based screening: Screening for Hypertension, Diabetes, Oral Cancer, and Breast Cancer Early Identification and referral1. Referral of suspected cases of Hypertension, Diabetes, Oral Cancer, and Breast Cancer to nearest health facility. Tracking of referrals, follow ups for diagnosis and treatment; Ensure treatment adherence.

Public health implications of diseases transmitted by vectors and their impact on social and economic development are major global concerns including India. Vector Borne Disease (VBDs) contribute to 17% of all infectious cases globally. Though there has been reduction in the major vector borne diseases (VBDs), re-emerging VBDs and their geographical spread attributable to globalization, unplanned urbanization, environmental challenges such as climate change, is a major public health concern in recent years.



vulnerable groups like pregnant women, extreme age group individuals are at the greatest risk of mortality from VBDs. Tata steel Foundation in collaboration with the Government to provide support for the National Vector Borne Disease Control Program (NVBDCP) for prevention and control of Vector Borne Diseases. This support will involve facilitating screening activities for VBDs, integrated vector management, as well as strengthening referral mechanisms for suspected cases, with the aim of providing early treatment and reducing complications. Additionally, TSF will focus on building the capacity of ASHAs, ANMs, and creating Village Peer Leaders to undertake Behaviour Change Communication (BCC) sessions at various levels. To reduce mosquito breeding sites, Tata Steel Foundation has undertaken various activities, such as anti-larval spraying in multiple GPs of the Rangeilunda block. To raise awareness among the community, TSF Gopalpur organized a Nukkad Natak, performed by Sathiyas (Peer Educators of RISHTA). Apart from this, in collaboration with the government, TSF actively participates in the MDA program to address filariasis in the district.

RISHTA (Regional Initiative for Safe Sexual Health by Today's Adolescents):

OBJECTIVE: -

1. ARSH knowledge given to the adolescents.
2. To reduce the number of marriages before legal age among adolescent girls
3. To reduce age specific fertility rate (10-19 years)
4. To create social change makers.

PROJECT BACKGROUND: -

A project RISHTA have started by Tata Steel Foundation in 2004 with engaging the adolescents and empowering them with required information and services will influence long-term health indicators, especially Reproductive Health (RH) indicators positively. Though RISHTA (Regional Initiative on Sexual Health for Today's Adolescents) project, we will work towards empowering them to make informed choices about their health and wellbeing. The target group covers adolescents (10-19 years) of our operational area 18 GPs of adolescents 29,121 in population 1,45,607 of **Chatrapur** block and 32 GPs of adolescents 33,679 in 1,68,394 of **Rangeilunda** block. Total area profile covered 50 GPs, Adolescents 62,800, Population 3,14,001, **Performance: -** Lives Impacted 37428

HIGHLIGHTGS

Girls and boys (10 completed till 19 completed years) trained on ARSH and Life skill education- 12737.

The main objective of RISHTA project is to give proper knowledge on reproductive and sexual health to the adolescents. So, every year this is done to both the school and out school goer adolescents. To major their knowledge the pre-test and post-test has been taken. This FY 26, **39.52%** knowledge has increased.

Adolescents' girls (10 completed years till 18 completed years) reached through recall test and follow up for delaying marriage- 6898.

The main objective prioritizing adolescent girl's reproductive health and ensuring marriage and pregnancy at right age and creating youth friendly environment to enable active citizenship among the youth.

Parents and key stakeholders sensitized on consequences of underage marriage and benefits of delayed pregnancy till completion of 19 years of age- 18108.

The main objective promotes community-based intervention an awareness campaigns to encourage girls to postpone marriage until at least 18 years of age.

Potential underage marriages have been delayed till completion of 18 years- 126

The main objective promote community-based intervention an awareness campaign through Saatiyas(peer educators) to encourage girls to delay marriage until age of 19 by increasing knowledge to adolescent friendly counselling on informed consequences of early marriage.

Saathiya (Peer educators) developed- 364.

The objective is 3 days training on RSK module to give proper knowledge on reproductive and sexual health to the adolescents. Development youth cadre to delay underage marriages, teen age pregnancy, and address other health issues among adolescents.

Community institution village level child protection committees' formation (VLCPC)- 45, and Youth resources centres- 45.

The objective strengthening community-based institution on a collaborative approach with the district authorities NYKS, DCPO, DSWO compressing of education, health, child protection authorities, panchayat elected representatives, front line health workers, and parents' groups to implement the program at grass roots level.

Community awareness drive/ international days observation- 52

The objective to raise awareness encourage active participation and strengthen collaboration among stakeholders to promote inclusive development.

TOT of Health Well-ness Ambassadors- 98

The objective to orient trainers on the goals and components of the school health programmes, to provide knowledge on all 11 thematic areas related to adolescent health, to develop communication and life skill among teachers to engage students effectively, to equip trainers with practical demonstration technic for classroom-based health session, to build capacity for organizing structured health and well-ness session in school.

Orientation of Ayushman Arogya Mandir (AAM) health workers- 67

The objective adolescent Friendly Health services linkages, HB screening of the girls' adolescents, counselling adolescents on their reproductive health and working on mental health of the adolescents. As RISHTA works closely with adolescents to reduce underage marriage and early fertility through awareness and counselling, the objective of the meeting was to explore ways to work collaboratively with Ayushman Arogya Mandir, which provides primary healthcare services under the Ayushman Bharat Scheme.

Manthan Yatra- 82 changemakers participated.

- The objective to empower local youth to actively participate in achieving the Sustainable Development Goals through community-based action, leadership, and innovation. To create awareness among youth regarding the SDGs and their relevance at the grassroots level.
- To provide a platform for youth to voice local issues and propose sustainable solutions.
- To promote youth leadership in village-level planning and local governance.
- To strengthen collaboration between government stakeholders, civil society, and youth groups.
- To encourage environmentally responsible attitudes and actions among young people.
- **Dhwoni Felicitated to 6 changemakers:** Laxmipriya Behera, Archita Behera, Alok Sasamal, K. Tripat, Reddy Ambika Nahak, Chahat Das



Project: POSHAN

Nutritional and Health Assessments

Anthropometric measurements were conducted through door-to-door visits, at Anganwadi Centres, during VHSND and immunization programmes, along with participation in RBSK health check-ups. Through these systematic assessments, a total of **2,945 malnourished children** were identified, including **2250 Moderate Acute Malnutrition (MAM)** cases and **695 Severe Acute Malnutrition (SAM)** cases. Out of the identified SAM children, **135 were referred to Nutritional Rehabilitation Centres (NRCs)** for specialized care. In parallel, continuous awareness sessions were conducted with parents and caregivers on the importance of a nutrition-rich diet and regular health check-ups. As a result of sustained follow-up and interventions, **1891 children achieved normal weight**.

Awareness sessions and haemoglobin screening activities were conducted among adolescent girls and women of reproductive age, through which **12198 cases of anaemia** were identified. Necessary counselling, guidance on nutrition, and regular follow-up support were provided to the identified beneficiaries. As a result of continuous monitoring and interventions, anaemic **10189 individuals showed improvement in haemoglobin levels**.

Health Workers Orientations: The Public Health Team successfully conducted **4 ASHA Orientation Program** with the **189** active participation of ASHA workers. The program aimed to strengthen collaboration with frontline health workers by enhancing their knowledge, practical skills, and renewed commitment to the objectives of the Public Health vertical.

AWWs Capacity Building Training Workshop: A specialized **capacity-building training programme** was conducted for **Anganwadi Workers (AWWs)** in **Chatrapur and Rangeilunda Blocks** to strengthen their technical knowledge and service delivery skills. A total of **6 training sessions** were organized, with the participation of **528 AWWs**, focusing on improving competencies in nutrition monitoring, growth assessment, counselling practices, and effective implementation of ICDS and Poshan-related interventions.

Annaprasan Events and Adolescent girls Quiz Competitions: As part of the Poshan initiative, **67 Annaprasan events** were conducted, reaching **2715** pregnant women, lactating mothers, and adolescent girls with key nutrition messages. Additionally, **75 quiz competitions** and awareness competitions were organized, engaging **3599** adolescent girls and women. These activities aimed to promote better nutrition, health awareness, and healthy practices.

Poshan Maah Sep 2025: During September, the Poshan Project successfully organized **29** impactful Poshan Maah events, reaching **1612** beneficiaries, including pregnant women, lactating mothers, under-5 children, and adolescent girls. The central theme **“Right Nutrition, Healthy Life”** was showcased throughout all activities. Key focus areas included healthy lifestyle practices, **IYCF promotion, ECCE strengthening, anemia prevention, growth monitoring, reduced sugar and oil consumption, and men’s participation** in nutrition awareness. Major attractions were Annaprasan, God Bharai, Healthy Baby Show, Mo Gehla Jhia, recipe demonstrations, anemia screenings, anthropometric measurements, and an Adolescent Girls’ Quiz Competition, celebrated with enthusiasm and active community participation.

Kitchen Garden developments: The **kitchen garden development initiative** reached **644 households**, benefiting a total of **3,022 individuals** across **two blocks**. The initiative promoted household-level nutrition gardens to improve access to fresh, nutritious food and strengthen dietary diversity among community members, aiming to reduce malnutrition and anemia.

Augmentation of AWC Mini Kits: For the augmentation of **Anganwadi Centres (AWCs)**, learning and play materials were distributed to **5 AWCs across Rangeilunda and Chatrapur Blocks** to strengthen early childhood education services. This initiative focused on enhancing cognitive development, promoting joyful and experiential

learning, and creating an engaging environment for **pre-school children**, thereby improving the overall quality of early childhood care and education. To address the issue of damaged and non-functional weighing equipment, essential growth-monitoring tools were distributed to **Anganwadi Centres (AWCs)**, including **150 adult weighing machines, 18 stadiometers, and 12 infantometers**. This support will ensure uninterrupted growth monitoring, enable early identification of malnutrition, and contribute to improved health and nutrition outcomes within the community.



Project: Non-Communicable Diseases:

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Additionally, TSF will focus on building the capacity of ASHAs, ANMs, and creating Village Peer Leaders to undertake Behaviour Change Communication (BCC) sessions at various levels, which will help minimize risk factors for Non-Communicable Diseases (NCDs). SDG Target 3.4: Non-communicable diseases: By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment.



The NCD team observes important days at the community level to raise awareness. To empower women in detecting breast cancer, the team trains eligible women on Breast Self-Examination.

Objective: Reduce by one third premature mortality from non-communicable diseases through prevention and treatment by the year of 2030 aligning with SDG goal. Activities are as follows:

1. Primary Prevention-Capacity Building of Health Care Workers – ASHAs /ANMs/CHOs on prevention of NCDs
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3. Creation of peer leaders in Villages
4. Convergence with State/ District/Block Health Office
5. Facilitating CBAC entries by ASHAs for further documentation in NCD Portal



Community based screening: Screening for Hypertension, Diabetes, Oral Cancer, and Breast Cancer Early Identification and referral. Referral of suspected cases of Hypertension, Diabetes, Oral Cancer, and Breast Cancer to nearest health facility. Tracking of referrals, follow ups for diagnosis and treatment; Ensure treatment adherence. In FY26 20258 beneficiaries were screened for NCD. More than 3110 beneficiaries were referred to nearest health centres. A total

of 190 Govt. Health workers were trained in both NCD and VBD, and 30 beneficiaries were linked with Ayushman Bharat.

Vector Borne diseases control Programme:

Tata Steel Foundation, in collaboration with the Government, supports the National Vector Borne Disease Control Programme (NVBDCP) for the prevention and control of Vector Borne Diseases. The support includes facilitating VBD screening, integrated vector management, and strengthening referral mechanisms for suspected cases to ensure early treatment and reduce complications. TSF is also building the capacity of ASHAs, ANMs, and creating Village Peer Leaders to conduct Behaviour Change Communication (BCC) sessions at various levels.

To reduce mosquito breeding sites, TSF has carried out anti-larval spraying in multiple GPs of the Rangeilunda block, covering **43 villages**. Along with the government, TSF also actively participates in the Mass Drug Administration (MDA) programme to address filariasis in the district. **In FY26 40024 people were screened for fever, and 1 VBD case was detected.**

Multispecialty Health camp: Three nos of Multi -specialty health camp were organised at Karapalli, Kalipalli, Tata colony ..Tata steel foundation has taken initiative to provide specialist health facilities at the door step of community . On this auspicious occasion the events were graced by sarpanch of consent panchayat along with other PRI members. Various medical specialists treated like Medicine, Paediatrics , Gynaecology, Sin and VD, General medicine & provided free medication. The eye patients tested and treated by Sankara Eye Hospital & Cataract patients



were referred for surgery. The Screening of Non-communicable diseases involved with testing of blood pressure and blood sugar level and awareness campaign has been conducted to alert on Non-communicable -diseases through distributing of IEC materials.

Patients profile;

Total patients treated- 1087,

Total 58 Patients were detected Cataract & referred for surgery

mPHU: Mobile Public Health unit is running to providing health care services at the door step of community.

Total 32 villages are getting services covering of ten panchayats and two blocks.

Treatment by doctors with free medication with finding of non-communicable diseases.

Awareness programs are organizing for Communicable & Non- communicable diseases

Critical ill patients were referred to nearby health center.

Patient profile;

Total no's of patients treated @ **10581**



Total cases referred @556

BLS: The Basic life support trainings were organized at Rangeilunda & Chatrapur blocks.

Awareness on snake bite how to prevention & recovery & training on how to recovery a chocking victim .

Training on BLS for (cardio Pulmonary resuscitation) providing CPR to a cardiac arrest patient also use of (AED) automated external defibrillator.

Participants were performed self-practical training.

The main aim is that how to save a patient before going to a health facilities.

Total no's of participants @ **1013**.

Infrastructure Support for Rural Development: -

1. Water Harvesting structure: - The increasing water demand in recent years necessitates the construction and renovation of ponds to serve as reliable and economical sources of water. This Initiative project involves the creation and refurbishment of ponds in strategic locations, providing various benefits to the community, including irrigation, livestock watering, fish rearing, and more. Under this, construction of farm ponds, accordingly, we have

done the site visits and found Three plots suitable for new ponds and renovation ponds. Which Is Directly Impactites 387 farmers also Increased the Water Conservation potential 0.978 (in Mcft) and 48.84 hector Irrigation Potential created.



1. Drinking Water: - Drinking water shortage in Kalipali village near its SEZ in Gopalpur, has undertaken the



construction of an overhead tank and deep borewell. The project includes a 40000-liter capacity overhead tank, a deep borewell of 340 feet, and a dedicated pipeline network connect to Existing water distribution across the village. With no immediate government intervention, this initiative will provide a reliable drinking water source to approximately 2, 400 people, significantly improving their daily lives. This project reflects Tata Steel's commitment to social development and community well-being in its operational areas. Also in the Drinking water project we restore 16 no's & Install 4 new the Hand Tube Well in Peripheral villages through the drinking water project total 8750 people get benefited.

3.Education Infra: - To address the urgent need for additional classroom space and improved hygiene, TSF, Gopalpur. The request includes the construction of a new classroom and installation of a 40-liter water filter to ensure access to safe drinking water. This initiative aims to enhance the learning environment, promote students' well-being, and support women's education, contributing to equal opportunities and the overall development f the community. Live impacted of 618 children.



4. Infrastructural support for Rural Development: -

Community Centers are an important infrastructure in any village/community serving multitudes of needs and is an asset with many uses. It is used as a place of meeting of the community, office for the Village Committee, place of celebration of any festival or special occasion like marriages, also serves as a place for visitors/workers from outside the village who may come for any village development works. It is also used in many places as a place of work for specific people like SHG members who may sit at one place to work for their SHG etc. Also, it serves as a place for village level health check-ups or meetings of Tata Steel with the village community or even the government officials.

In this regard, we had received a request letter from the community through the Village Development Committee to Construct and Renovate the community infrastructure to meet community needs which shall be beneficial 6280 for the village. Two New community Hall one Renovated CC and One Renovated Soft Skill Center in Our Peripheri.



6. **Renewable Energy (Solar Light):-** To enhance safety, connectivity, and sustainability, we propose installing Solar Street Lights (SSL) in the peripheral villages of Tata Steel SEZ, Gopalpur. These community-owned lights provide reliable, eco-friendly energy and support increased social and economic activities. In response to villagers' requests, a total of 171 SSLs have been installed, directly impacting 17100 lives. This initiative will significantly improve rural quality of life and strengthen community goodwill towards Tata Steel. Please refer to the annexed documents for further details.

Environment: Conservation of Flora and Fauna:

The Olive-ridley Sea Turtle, Blackbuck and Indian Peafowl are key wildlife species of Ganjam District those either seasonally or permanently inhabit in the areas within human-dominated landscapes. All these species being protected under Schedule-I of the Indian Wildlife (Protection) Amendment Act 2022, various regulations have been imposed from the Government side towards minimizing human activities in these areas. These regulations have detrimental effect on the lives and livelihood of the local community and subsequently it has made the local people intolerance towards occurrence and conservation of the above species in their locality. Referring to the situation, an initiative was therefore conceptualized for conservation of these important species and enhancing resilient livelihood of the affected communities of six villages across Rushikulya Sea Turtle habitat (Purunabandha, Gokhurkuda, Podampeta and Kantiagarh), Bhetnoi Blackbuck habitat (Bhetnoi) and Pakidi hills Indian Peafowl habitat (Ambuabadi) since FY 2024-25. Major activities undertaken during the FY 2025-26 were Health Camp for community, livelihood development, climate-resilient agriculture, protection of species, publicity and awareness, and community-based eco-tourism development. The program reached 6133 lives.



Sum of Amount in lakhs.	Thematic Area	FY26
Thematic		Apr-25 to March 26 in lakhs
Enterprise Cost	Administrative, IT, Safety, Communications, etc.	273.27
Enterprise Cost Total		273.27
Proximate community Development	Drinking water	11.78
	Education Support through Scholarships	62.34
	Livelihood (Agri., Skill Dev., & Emp.)	499.20
	Other Educational Programmes and Infrastructure	76.29
	Primary Healthcare Services	93.37
	Panchayat Governance and Fellowship	1.75
	Disability linked programmes	0.50
	Water conservation Initiatives	40.00
	Sports	5.50
	Renewable energy, Bio-diversity Programmes & Other Rural Infra.	122.57
Proximate community Development Total		913.30
Total		1186.57