



Ref. No: TSSEZL/ ENV/MoEF/1387/2024

Dated: 21th Nov' 2024

To,
Addl. Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (EZ), A/3, Chandrasekharapur,
Bhubaneswar-751023
e-mail: roez.bsr-mef@nic.in

Sub: Submission of Half yearly compliance status report of Environment Clearance conditions for the period of April '2024 – Sep' 2024 for stone quarry of Mansur Kota at Gopalpur, Ganjam, Odisha by M/s. Tata Steel Special Economic Zone at Gopalpur,

Ref: Environmental clearance vide MOEF & CC GOI Vide Online Application no. SIA/OR/MIN/400290/2022 dated 01.10.2022. TOR date EC22B0000R162033.

Dear Sir,

With reference to the subject referred above, we are hereby submitting the half yearly Environmental Clearance compliance status report for Stone quarry of Mansur Kota at Gopalpur ,Ganjam Odisha by Tata Steel Special Economic Zone in soft format through e-mail (roez.bsr-mef@nic.in) for your kind perusal.

We look forward for your further guidance which shall certainly help us in our endeavor for further improving upon our environmental management practices.

Thanking You,

Yours faithfully,

For Tata Steel Special Economic Zone Limited

Saurabh Sugandh

Saurabh
21/11/24
Chief - (Projects)

Enclosure: As above.

Copy for kind information to:

- The Member Secretary, Central Pollution Control Board, Southern Enclave, Block- 502, 5th & 6th Floor, 1582, Rajdanga Main Road, Kolkata-700101, West Bengal.
- The Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar – 751012.
- The Regional Officer, State Pollution Control Board, Berhampur, Ganjam, Odisha.

TATA STEEL SPECIAL ECONOMIC ZONE LIMITED

(A 100% subsidiary of Tata Steel Limited)

Regd. Off.: 2B, 2nd Floor, Fortune Towers, Chandrasekharapur, Bhubaneswar, Odisha – 751023, India

Tel No.: +91-811 438 2585, Website: www.tatasteelsez.com, E-Mail: contact@tatasteelsez.com

CIN: U45201OR2006PLC008971

TATA STEEL SPECIAL ECONOMIC ZONE LTD

Half-Yearly Compliance Report

On Environmental Clearance Conditions

**(MOEF&CC, GOI vide online application no.
SIA/OR/MIN/400290/2022 dated 01.10.2022)**

TOR Date EC22B0000R162033

Period: April'2024 – September'2024

**Submitted By:
Tata Steel Special Economic Zone Ltd
M/s. Tata Steel Limited
2 B, Fortune Tower, 2nd Floor,
Chandrasekharpur
Bhubaneswar -751023
(Odisha)**

List of Annexures

Sl. No	Title of the Annexure	Annexure No.
1	Environment Monitoring Results of last Six months (April' 2024–September' 2024)	I



Compliance to the Environmental Clearance Letter No: - SIA/OR/MIN/400290/2022 dated 01.10.2022 for stone quarry of Mansur Kota at Gopalpur, Ganjam, Odisha by M/s Tata Steel Special Economic Zone Limited.

PART A-SPECIFIC CONDITIONS:

I. Construction Phase

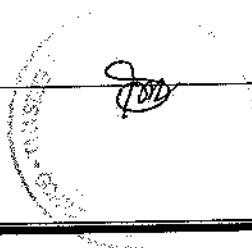
SI	ENVIRONMENTAL CONDITIONS AND SAFEGUARDS	Compliance Status (April'2024 – Sept'2024)
(7.1)	Boundary Demarcation: - The boundary of the lease area shall be demarcated on ground at the project cost, by erecting 1.20 meter (4 feet approx.) high reinforced concrete pillars above ground, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates by any empanelled agency of ORSAC.	Complied. Gopalpur Industrial Park has a permanent RCC boundary of 37 KM periphery and 4 Mtr height. This Particular area comes with in that boundary , how ever we have demarcated the mines area with RCC pole as per the mines plan, Which is to be considered on the boundary wall of the mines.
(7.2)	Digital Map: -A digital map (in KML format as well as PDF version) showing GPS coordinates of all boundary pillars duly countersigned by the Tahasildar shall be submitted to SEIAA, Odisha through email at seiaaodisha@qjgmail.com .	Complied.
(7.3)	Intimation of EC: -The copies of the EC shall be sent to the Sarpanch (s) of the concerned Gram Panchayat (s), Urban Local Bodies and relevant other Offices of the Government with a request to display the same for 30 days from the date of receipt.	Complied.
(7.4)	Tree Plantation: -Compensatory Tree Planting (CTP) shall be carried out with minimum @100 trees per Ha. of lease area as per the approved cost norm for avenue plantations of the State Forest Department. The Project Proponent (lease holder) shall deposit Rs.2,25,000/- , with the respective District Environment Society for raising 500 plants of native species within 2 years in a suitable location adjoining to quarry.	Complied. We made payment to District Environment on Dt: 18 th Nov 2024, Though Online.
(7.5)	State EMF Fund: - An amount equal to five percent (5%) of the royalty payable shall be collected from the lessee by the Tahasildar and deposited to the State Environment Management Fund, which	Noted.

SI	ENVIRONMENTAL CONDITIONS AND SAFEGUARDS	Compliance Status (April'2024 – Sept'2024)
	will be utilized as per provisions of Rule 49(3) of the OMMC Rule, 2016 preferably, in and around the areas where mining activities are undertaken.	
(7.6)	Condition by Collector: - Any other condition(s) the Collector & Chairman, District Environment Impact Assessment Authority (DEIAA), may impose in the interest of protection and safeguarding the local environment.	Noted, will be complied based on direction.
(7.7)	Compliance report for Transfer of EC: - Any transfer of EC to a PP/Lessee shall be considered by SEIAA, Odisha only after receipt of the full compliance report through Tahsildar concerned of the above environmental conditions and safeguards.	NOT APPLICABLE
(7.8)	Maximum permissible depth of mining: - Quarry excavation shall not proceed below a level on the hill slope, and shall not touch the base of the hill in any case. The exploitation of stone material from the hill shall be carried out in a systematic manner, spreading the quarrying activity to cover all the economic veins of mineral and proceeding uniformly to more and more depths from all sides simultaneously. Maximum depth from the top surface, at any point, up to kvhich quarrying may be permitted shall be 6 meters as stipulated in rule 37(1) (a) of the OMMC Rule, 2016.	Noted and will be complied.
(7.9)	Maximum permissible quantity: Maximum quantity of material is permitted to remove from the quarry area is 50050 cum in 1 st year and 50050 cum in 2 nd year a full year (January to December). Any flouting of this quantitative restriction shall make this EC liable to cancellation.	Complied.
(7.10)	District Survey Report: In view of likely revision of District Survey Report (DSR) as per the Ministry guidelines on DSR, the mention of this deposit in DSR with final	Complied.

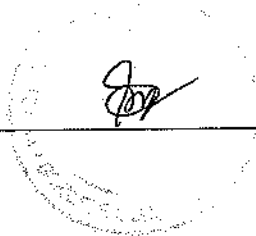
SI	ENVIRONMENTAL CONDITIONS AND SAFEGUARDS	Compliance Status (April'2024 – Sept'2024)
	coordinates shall be ensured by Tahasildar <u>within two years</u> . The District Survey Report (DSR) shall be prepared by the competent District Authority as per the MoEF & CC, Govt.of India Notification S.O.361 1(E) dated 25.07.2018 and Enforcement & Monitoring Guidelines for Sand Mining-2020.	
(7.11)	EC Extension: - Any further extension of EC beyond two years shall be considered only with submission of duly approved District Survey Report.	Noted
(7.12)	No change in the mining plan without prior approval of SEIAA: - Any change in the calendar plan, change in production quantity or method of mining shall not be made without prior approval of the SEIAA. Mining activity shall adhere to the working parameters of approved mining plan prepared for this project. The detailed production of laterite stone from the lease area of each year shall be submitted in tabular form during submission of compliance report.	Noted
(7.13)	Environmental Management Plan: EMP shall be implemented by PP to ensure compliance with the environmental conditions specified above. The year wise funds earmarked for environmental protection measures shall be kept in separate account and shall be spent according to the plan proposed in coordination with Tahasildar. Year wise progress of implementation of EMP shall be reported to the SEIAA, Odisha and OSPCB along with the compliance report. The Tahasildar shall ensure the compliance of this condition along with all lease holders of his jurisdiction.	Complied

Handwritten signature and official stamp of the Tahasildar.

SI	ENVIRONMENTAL CONDITIONS AND SAFEGUARDS	Compliance Status (April' 2024 – Sept' 2024)
(7.14)	No Mining Zone: The lessee shall ensure that no quarrying or mining is carried out in the areas as specified below	
(a)	7.5-meter safety zone shall be kept from all side of the lease boundary as per the approved mining plan.	Complied
(b)	within 100m (minimum distance criteria when blasting is not involved) and within 200m (minimum distance criteria when blasting is involved) from residential/ public buildings, inhabited sites, protected monuments, Heritage sites, National/State Highway, District roads, public roads, Railway line/area, Ropeway or Ropeway trestle or station, Bridges, Dam, Reservoirs, river. Canals, lakes or Tanks, or any other locations etc.	Complied
(c)	below ground water table under any circumstances. If ground water table occurs /intervenes within the permitted mining depth, then the quarrying shall be stopped immediately;	Complied
(d)	in the vicinity of natural /manmade archaeological sites	NA.
(7.15)	Transport Safeguards	
(a)	No transportation of the minerals shall be allowed on any road passing through villages/habitations without prior explicit permission.	Noted.
(b)	Transportation of minerals through existing rural roads can be allowed only by the concerned Govt. Department/ Gram Panchayat/BDO after required strengthening such that the carrying capacity of road is increased to handle the mineral carrying truck traffic. The project proponent shall bear the cost towards the widening and strengthening of existing public roads in case the same is proposed to be used for the project	Noted.
(c)	Project proponent shall ensure that the transport of minerals will be as per IRC Guidelines with respect to	Complied



Sl	ENVIRONMENTAL CONDITIONS AND SAFEGUARDS	Compliance Status (April'2024 – Sept'2024)
	complying with traffic congestion and traffic density.	
(d)	Vehicles hired for transportation of minor mineral from the site should be in good condition and should have pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours. Speed of vehicle be regulated and in no case >30 Kms / hr be allowed	Complied
(e)	The vehicles shall not be overloaded and shall be covered with Tarpaulin. The Tahasildar may collect an appropriate additional road maintenance levy from the lessee as part of the lease conditions on the basis of quantum of mineral transported, and utilize the proceeds of the levy for proper maintenance of the extraction paths and roads to prevent their degradation on account of plying of mineral carrying trucks	Noted
(f)	Water spraying should be made on the village road to control particulate matter (dust particles) pollution in surrounding air during transportation from the quarry. Garland drain shall be constructed on the hill slope to arrest downward flow of particulate matter with rainwater.	Noted
(7.16)	Other Environmental Conditions: -	
(a)	The lessee shall ensure safety of human life and livestock from accidents in case village / any habitation is very nearby the mining lease area.	Noted
(b)	Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose.	Noted
(c)	Dumping of quarry material is in no case permissible on any forest land; and all dump yard shall be on duly permitted non forest land.	Noted
(d)	Waste oils, used oils generated from the EM machines, mining operations, if any, shall be disposed as per the Hazardous Wastes (Management, Handling, and trans-boundary movement) Rules, 2008 and its	Noted

SI	ENVIRONMENTAL CONDITIONS AND SAFEGUARDS	Compliance Status (April'2024 – Sept'2024)
	amendments thereof to the recyclers authorized by SPCB, Odisha.	
(e)	At the end of mine closure, the proponent shall immediately remove all the sheds put up in the quarry and all the equipment in the area before closure of the quarry.	Noted
(f)	Permanent barricading/barbed wired fencing of the mining lease area site shall be done after completion of mining activities to prevent any danger for stray animals and human habitations from accidents.	Complied.
(g)	The Project Proponent shall undertake phased restoration, reclamation and rehabilitation of land affected by mining and completes this work before abandonment of mine. Filling of the ditch by fly ash is to be ensured by the lessee, as also fencing the area, guard wall for safety of cattle & traffic.	Noted
(7.17)	Common Forum for EMP: All the individual quarry lessee holders coming under the Tahasil may create a common forum in coordination with the Tahasildar and contribute funds to it for grading, compaction and maintenance of haulage road, provision of water spray on the village road to control particulate matter (dust particles) pollution in surrounding air during transportation from the quarry, and provision of thick, multilayer and a continuous green belt around the lease area excluding the entry and exit gate for prevention of environmental pollution and noise during mining activity	Noted.
(7.18)	Pursuant to MoEF & CC, O.MNo 22-34/2018-1A.111 dated 16.01.2020 and in compliance to the directions dated 8 th January 2020 of Hon'ble Supreme Court in W.P. (Civil) No.114/2014 in the matter of Common Cause vs Union of India, the mining lease holder shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of	Noted 

SI	ENVIRONMENTAL CONDITIONS AND SAFEGUARDS	Compliance Status (April'2024 – Sept'2024)
	fodder, flora, fauna etc. The Project Proponent shall submit a detailed plan of action in this regard to Tahasildar within six months, indicating definite timelines and physical outcomes for the reclamation & restoration of the mined-out area. The Tahasildar shall submit a compliance report to SEIAA, Odisha at the end of lease period.	
(7.19)	Halfyearly Compliance Report: It shall be mandatory for the project management to submit half yearly compliance reports on the status of implementation of the above stipulated environmental safeguards to the SEIAA, Odisha / Regional Office of the MoEF & CC, Bhubaneswar in soft copies on 15th day of June and December of each calendar year. The proponent shall also upload the compliance report including results of monitored data, as applicable in the website of the Ministry for monitoring of EC Conditions, failing which EC is liable to be revoked	Being complied
(7.20)	Concomitant Monitoring: The conditions stipulated in the environmental clearance will be closely monitored on the ground by the lease granting authority, i.e. the Tahasildar, who shall ensure compliance of the stipulated conditions and take corrective measures promptly in case of any non-compliance and also ensure that the project proponent submits quarterly compliance reports.	Noted
(7.21)	Independent Monitoring: -The concerned Regional Office of the MoEF & CC/ SPCB, Odisha shall periodically monitor compliance of the stipulated conditions as applicable for this project. The project authorities should extend full cooperation to the MoEF & CC officer(s)/SPCB officer(s) by furnishing the requisite data / information / monitoring reports.	Noted
(7.22)	Revocation of EC: -The SEIAA, Odisha may revoke or suspend the EC, if implementation of any of the above conditions is not satisfactory. The SEIAA, Odisha reserves the right to alter /modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted

SI	ENVIRONMENTAL CONDITIONS AND SAFEGUARDS	Compliance Status (April'2024 – Sept'2024)
(7.23)	Change in Ownership of Lease: - This EC shall not be transferred without the permission of SEIAA, Odisha. The Tahasildar shall inform the SEIAA of any change in ownership of the mining lease. No mining is allowed without transfer of EC as per provisions of the para 11 of EIA Notification, 2006, as amended from time to time.	Noted.
8.	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court and any other Court of Law relating to the subject matter.	Noted.
9.	This Environmental Clearance (EC) is subject to orders/judgment of Hon'ble Supreme Court of India, Hon'ble High Court and Hon'ble NGT as may be applicable.	Noted
10	Any appeal against this environmental 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

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

Date: 06th Oct' 2024



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization, Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/030724/A2

Issued Date-03.07.2024

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-03072024A2
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)
03.06.2024	64.6	35.9	12.85	17.74	0.53
06.06.2024	61.8	31.4	12.72	17.79	0.49
10.06.2024	65.4	36.5	12.91	17.85	0.53
13.06.2024	63.6	36.9	13.08	17.93	0.52
18.06.2024	66.3	37.4	13.21	18.22	0.56
20.06.2024	62.8	30.8	13.43	18.56	0.61
24.06.2024	67.2	36.4	12.91	17.74	0.53
27.06.2024	63.1	32.8	12.72	17.85	0.49
Average	64.35	34.76	12.98	17.96	0.53
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS: 5182 (Part-23)	Gravimetric Method as per CPCB method	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)

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

END OF REPORT


Authorized Signatory

Notes:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.



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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: cemclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001:2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/030824/A2

Issued Date-03.08.2024

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 Area
Weather Conditions	Cloudy
Reference No.	CEMC-03082024A2
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)
01.07.2024	55.6	28.4	6.41	10.32	0.31	--	--	--	--	--	--	--
04.07.2024	57.4	29.8	8.88	12.12	0.27	--	--	--	--	--	--	--
08.07.2024	53.2	26.2	6.14	10.32	0.31	--	--	--	--	--	--	--
11.07.2024	54.4	27.8	7.34	10.43	0.24	--	--	--	--	--	--	--
15.07.2024	55.6	28.6	7.62	9.92	0.32	<20	<10	<0.1	<0.6	<0.44	<5	<1
18.07.2024	56.2	29.4	7.12	9.73	0.29	--	--	--	--	--	--	--
22.07.2024	53.6	26	6.76	11.62	0.31	--	--	--	--	--	--	--
25.07.2024	52.2	27.2	9.82	11.34	0.41	--	--	--	--	--	--	--
30.07.2024	54.8	26.5	7.92	11.32	0.26	--	--	--	--	--	--	--
Avg	54.78	27.77	7.56	10.79	0.30	--	--	--	--	--	--	--
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:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: cemclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/030924/A2

Issued Date-03.09.2024

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-03092024A2
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)
01.08.2024	59.4	28.4	6.21	10.02	0.4	--	--	--	--	--	--	--
05.08.2024	61	29.6	5.88	8.82	0.36	--	--	--	--	--	--	--
08.08.2024	54.9	27.1	7.04	11.02	0.3	--	--	--	--	--	--	--
12.08.2024	49.1	23.7	8.24	12.13	0.23	--	--	--	--	--	--	--
15.08.2024	50.3	25.5	8.52	11.62	0.21	<20	<10	<0.05	<3.2	<0.1	<5	<1
20.08.2024	50.9	25.3	9.02	12.43	0.18	--	--	--	--	--	--	--
22.08.2024	48.3	23.1	8.66	12.32	0.2	--	--	--	--	--	--	--
26.08.2024	54.9	26.1	7.72	11.04	0.1	--	--	--	--	--	--	--
29.08.2024	49.5	23.4	9.82	13.36	0.15	--	--	--	--	--	--	--
Avg	53.14	25.80	7.90	11.42	0.24	--	--	--	--	--	--	--
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

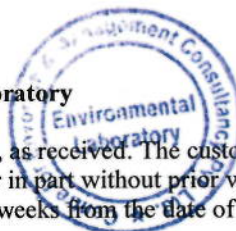
BPDal

Authorized Signatory

Notes:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

Seal of Laboratory



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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: cemclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/031024/A2

Issued Date-03.10.2024

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-03102024A2
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)
02.09.2024	61.7	30.9	6.88	10.95	0.51	--	--	--	--	--	--	--
05.09.2024	63.3	32.1	6.55	9.75	0.47	--	--	--	--	--	--	--
10.09.2024	57.2	29.6	7.71	11.95	0.41	<20	<10	<0.05	<3.2	<0.1	<5	<1
12.09.2024	51.4	26.2	8.91	13.06	0.34	--	--	--	--	--	--	--
17.09.2024	52.6	28	9.19	12.55	0.32	--	--	--	--	--	--	--
19.09.2024	53.2	27.8	9.69	13.36	0.29	--	--	--	--	--	--	--
23.09.2024	50.6	25.6	9.33	13.25	0.31	--	--	--	--	--	--	--
26.09.2024	57.2	28.6	8.39	11.97	0.21	--	--	--	--	--	--	--
Avg	55.90	28.60	8.33	12.11	0.36	--	--	--	--	--	--	--
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

Authorized Signatory

Seal of Laboratory

Notes:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, ,Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, ,Mobile: 7752014842
E-mail: cemclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/040524/A2

Issued Date-04.05.2024

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 Anadron Office
Weather Conditions	Clear
Reference No.	CEMC-04052024A2
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)
01.04.2024	70.5	37.2	12.08	16.68	0.46	--	--	--	--	--	--	--
04.04.2024	65.8	34.8	11.06	16.24	0.41	--	--	--	--	--	--	--
08.04.2024	67.2	35.4	10.88	15.08	0.46	--	--	--	--	--	--	--
11.04.2024	66.8	36.9	12.82	17.46	0.38	--	--	--	--	--	--	--
15.04.2024	72.2	38.3	13.16	18.06	0.54	<20	<10	<0.1	<0.6	<0.44	<5	<1
18.04.2024	68.6	33.2	10.06	15.44	0.48	--	--	--	--	--	--	--
22.04.2024	63.4	32.5	11.66	16.98	0.44	--	--	--	--	--	--	--
25.04.2024	71.6	37.6	14.46	18.64	0.42	--	--	--	--	--	--	--
29.04.2024	69.5	35.2	11.08	16.38	0.43	--	--	--	--	--	--	--
Avg	68.40	35.68	11.92	16.77	0.45	--	--	--	--	--	--	--
NAAQ* Standard	100	60	80	80	4	400	100	1.0	20	6	5	1
Methods of Analysis	IS: 5182 (Part-23)	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:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.



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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: cemclub@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/040624/A2

Issued Date-04.06.2024

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 Anadrone Office
Weather Conditions	Clear
Reference No.	CEMC-04062024A2
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)
02.05.2024	65.6	34.4	10.41	14.32	0.51	--	--	--	--	--	--	--
06.05.2024	67.4	35.8	12.88	16.12	0.47	--	--	--	--	--	--	--
09.05.2024	63.2	32.2	10.14	14.32	0.51	--	--	--	--	--	--	--
14.05.2024	64.4	33.8	11.34	14.43	0.44	<20	<10	<0.1	<0.6	<0.44	<5	<1
16.05.2024	65.6	34.6	11.62	13.92	0.52	--	--	--	--	--	--	--
20.05.2024	66.2	35.4	11.12	13.73	0.49	--	--	--	--	--	--	--
24.05.2024	63.6	32.0	10.76	15.62	0.51	--	--	--	--	--	--	--
27.05.2024	62.2	33.2	13.82	15.34	0.61	--	--	--	--	--	--	--
30.05.2024	64.8	32.5	11.92	15.32	0.46	--	--	--	--	--	--	--
Avg	64.78	33.76	11.56	14.79	0.50	--	--	--	--	--	--	--
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:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: ccmclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/040524/W1

Issued Date-04.05.2024

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 19.04.2024
Sampling by : Mr. R.N Das
Date of Sample Received : 20.04.2024
Date of Analysis : 21.04.2024 to 27.04.2024
Sample Location : Khari Nalla, Up stream(SW1)
Reference No. : CEMC-02052024W1

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW1
1	Colour, Max.	Hazen	300	25
2	pH Value @ 25°C	--	6.5 to 8.5	7.13
3	Iron as Fe, Max.	mg/l	0.5	0.19
4	Chloride as Cl, Max.	mg/l	600	36.9
5	Dissolved Solids, Max.	mg/l	1500	194
6	Dissolved Oxygen, Min.	mg/l	4	6.2
7	BOD for 3 days@ 27°C, Max.	mg/l	3	<2.0
8	Oil & Grease, Max.	mg/l	0.1	ND
9	Copper as Cu, Max.	mg/l	1.5	<0.03
10	Sulphate as SO ₄ , Max.	mg/l	400	23.4
11	Nitrate as NO ₃ , Max.	mg/l	50	1.6
12	Fluoride as F, Max.	mg/l	1.5	0.18
13	Anionic detergent	mg/l	1	ND
14	Cadmium as Cd, Max.	mg/l	0.01	<0.003
15	Selenium as Se, Max.	mg/l	0.05	<0.001
16	Arsenic as As, Max.	mg/l	0.2	<0.001
17	Cyanide as CN, Max.	mg/l	0.05	ND
18	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
19	Lead as Pb, Max.	mg/l	0.1	<0.01
20	Zinc as Zn, Max.	mg/l	15	<0.05
21	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
22	Total Coliform, Max.	MPN/100ml	5000	234
23	Faecal Coliform	MPN/100ml	--	22

, MPN-Most Probable Number

END OF REPORT

Authorized Signatory

Notes:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.

Seal of Laboratory

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, , Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, , Mobile: 7752014842
E-mail: ccmclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization, Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/040524/W2

Issued Date-04.05.2024

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 19.04.2024
Sampling by : Mr. R.N Das
Date of Sample Received : 20.04.2024
Date of Analysis : 21.04.2024 to 27.04.2024
Sample Description : Surface Water
Sample Location : Khari Nalla, Down Stream(SW2)
Reference No. : CEMC-02052024W2

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	7.84
3	Iron as Fe, Max.	mg/l	0.5	0.33
4	Chloride as Cl, Max.	mg/l	600	46.9
5	Dissolved Solids, Max.	mg/l	1500	198
6	Dissolved Oxygen, Min.	mg/l	4	5.7
7	BOD for 3 days@ 27°C, Max.	mg/l	3	<2.0
8	Oil & Grease, Max.	mg/l	0.1	ND
9	Copper as Cu, Max.	mg/l	1.5	<0.03
10	Sulphate as SO ₄ , Max.	mg/l	400	29.4
11	Nitrate as NO ₃ , Max.	mg/l	50	2.3
12	Fluoride as F, Max.	mg/l	1.5	0.11
13	Anionic detergent	mg/l	1	ND
14	Cadmium as Cd, Max.	mg/l	0.01	<0.003
15	Selenium as Se, Max.	mg/l	0.05	<0.001
16	Arsenic as As, Max.	mg/l	0.2	<0.001
17	Cyanide as CN, Max.	mg/l	0.05	ND
18	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
19	Lead as Pb, Max.	mg/l	0.1	<0.01
20	Zinc as Zn, Max.	mg/l	15	<0.05
21	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
22	Total Coliform, Max.	MPN/100ml	5000	356
23	Faecal Coliform	MPN/100ml	--	32

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

END OF REPORT

Authorized Signatory

Seal of Laboratory

Notes:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, ,Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, ,Mobile: 7752014842
E-mail: ccmclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report No. - CEMC/ TSSEZL /040524/N

Issued Date-04.05.2024

Name & Address of the Client	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur
Reference No.	CEMC-04052024N
Nature of Sampling	Noise Monitoring
Sampling By	Mr. R.N Das
Instrument Used	Noise Level Meter
Sampling Period	24 Hours

NOISE MONITORING REPORT

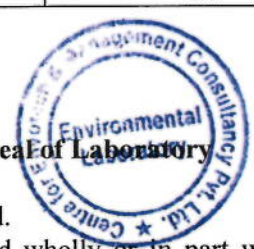
Date of Sampling	Locations	NL Day Time dB (A)			NL Night Time dB (A)		
		Max	Min.	Avg.	Max.	Min.	Avg.
19.04.2024	Near Anadrone Office	67.1	62.5	64.8	57.3	48.7	53.0
19.04.2024	Near main gate(Chamakhandi)	70.9	65.5	68.2	64.8	60.6	62.7

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

Notes:

- The results relate only to the sample tested.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: ccmclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001:2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/040624/A

Issued Date-04.06.2024

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-04062024A
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 TSSEZL Project Office	14.05.2024	<20	<10	<0.1	<0.6	<0.44	<5	<1
Near Anadrone Office	14.05.2024	<20	<10	<0.1	<0.6	<0.44	<5	<1
Near Main Gate(Chamakhandi)	14.05.2024	<20	<10	<0.1	<0.6	<0.44	<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

Notes:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.



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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: ccmclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/040624/W1

Issued Date-04.06.2024

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 24.05.2024
Sampling by : Mr. R.N Das
Date of Sample Received : 25.05.2024
Date of Analysis : 25.05.2024 to 30.05.2024
Sample Location : Khari Nalla, Up stream(SW1)
Reference No. : CEMC-04062024W1

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	7.34
3	Iron as Fe, Max.	mg/l	50	0.2
4	Chloride as Cl, Max.	mg/l	600	39.9
5	Dissolved Solids, Max.	mg/l	1500	290
6	Dissolved Oxygen, Min.	mg/l	4	6.2
7	BOD for 3 days @ 27°C, Max.	mg/l	3	<2.0
8	Oil & Grease, Max.	mg/l	0.1	ND
9	Copper as Cu, Max.	mg/l	1.5	<0.03
10	Sulphate as SO ₄ , Max.	mg/l	400	24.6
11	Nitrate as NO ₃ , Max.	mg/l	50	3.2
12	Fluoride as F, Max.	mg/l	1.5	0.12
13	Anionic detergent	mg/l	1	ND
14	Cadmium as Cd, Max.	mg/l	0.01	<0.003
15	Selenium as Se, Max.	mg/l	0.05	<0.001
16	Arsenic as As, Max.	mg/l	0.2	<0.001
17	Cyanide as CN, Max.	mg/l	0.05	ND
18	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
19	Lead as Pb, Max.	mg/l	0.1	<0.01
20	Zinc as Zn, Max.	mg/l	15	<0.05
21	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
22	Total Coliform, Max.	MPN/100ml	5000	210
24	Faecal Coliform	MPN/100ml	--	11

, MPN-Most Probable Number

END OF REPORT

Authorized Signatory

Notes:

- The result given above related to the tested sample as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.



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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: cemclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/040624/W2

Issued Date-04.06.2024

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 24.05.2024
Sampling by : Mr. R.N Das
Date of Sample Received : 25.05.2024
Date of Analysis : 25.05.2024 to 30.05.2024
Sample Description : Surface Water
Sample Location : Khari Nalla, Down Stream(SW2)
Reference No. : CEMC-04062024W2

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	7.24
3	Iron as Fe, Max.	mg/l	50	0.4
4	Chloride as Cl, Max.	mg/l	600	49.9
5	Dissolved Solids, Max.	mg/l	1500	580
6	Dissolved Oxygen, Min.	mg/l	4	6.0
7	BOD for 3 days@ 27°C, Max.	mg/l	3	<2.0
8	Oil & Grease, Max.	mg/l	0.1	ND
9	Copper as Cu, Max.	mg/l	1.5	<0.03
10	Sulphate as SO ₄ , Max.	mg/l	400	29.8
11	Nitrate as NO ₃ , Max.	mg/l	50	3.8
12	Fluoride as F, Max.	mg/l	1.5	0.18
13	Anionic detergent	mg/l	1	ND
14	Cadmium as Cd, Max.	mg/l	0.01	<0.003
15	Selenium as Se, Max.	mg/l	0.05	<0.001
16	Arsenic as As, Max.	mg/l	0.2	<0.001
17	Cyanide as CN, Max.	mg/l	0.05	ND
18	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
19	Lead as Pb, Max.	mg/l	0.1	<0.01
20	Zinc as Zn, Max.	mg/l	15	<0.05
21	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
22	Total Coliform, Max.	MPN/100ml	5000	320
24	Faecal Coliform	MPN/100ml	--	21

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

END OF REPORT

Authorized Signatory

Seal of Laboratory

Notes:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

Environmental Studies (EIA & EMP), Monitoring, Forest Diversion Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS& G/S, Baseline Survey, Hydrological & Geological Studies, Socio-economic Studies, DGPS & ETS Survey.

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: ccmclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report No. - CEMC/ TSSEZL /040624/N

Issued Date-04.06.2024

Name & Address of the Client	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur
Reference No.	CEMC-04062024N
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.
24.05.2024	Near Anadrone Office	63.3	59.5	61.4	57.4	53.4	55.4
24.05.2024	Near main gate(Chamakhandi)	68.7	64.1	66.4	60.4	56.6	58.5

End of Report

NATIONAL STANDARD NOISE LEVEL

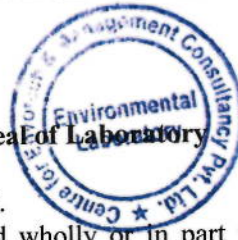
Area Code	Category of Area/Zone	Permissible Limit in dB (A)	
		Day Time	Night Time
A	Industrial Area*	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Authorized Signatory

Notes:

- The results relate only to the sample tested.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

Seal of Laboratory



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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: ccmclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001:2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/030724/A4

Issued Date-03.07.2024

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-03072024A4
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 TSSEZL Project Office	13.06.2024	<20	<10	<0.1	<0.6	<0.44	<5	<1
Near Crusher Office	13.06.2024	<20	<10	<0.1	<0.6	<0.44	<5	<1
Near Main Gate(Chamakhandi)	13.06.2024	<20	<10	<0.1	<0.6	<0.44	<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

BPD08

Authorized Signatory

Notes:

- The result given above related to the tested sample; as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.



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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: ccmclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/030724/W1

Issued Date-03.07.2024

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 13.06.2024
Sampling by : Mr. R.N Das
Date of Sample Received : 13.06.2024
Date of Analysis : 13.06.2024 to 19.06.2024
Sample Location : Khari Nalla, Up stream(SW1)
Reference No. : CEMC-03072024W1

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW1
1	Colour, Max.	Hazen	300	60
2	pH Value @ 25°C	--	6.5 to 8.5	7.42
3	Iron as Fe, Max.	mg/l	50	0.18
4	Chloride as Cl, Max.	mg/l	600	34.0
5	Dissolved Solids, Max.	mg/l	1500	276.0
6	Dissolved Oxygen, Min.	mg/l	4	6.9
7	BOD for 3 days@ 27°C, Max.	mg/l	3	<2.0
8	Oil & Grease, Max.	mg/l	0.1	ND
9	Copper as Cu, Max.	mg/l	1.5	<0.03
10	Sulphate as SO ₄ , Max.	mg/l	400	5.9
11	Nitrate as NO ₃ , Max.	mg/l	50	1.8
12	Fluoride as F, Max.	mg/l	1.5	0.06
13	Anionic detergent	mg/l	1	ND
14	Cadmium as Cd, Max.	mg/l	0.01	<0.003
15	Selenium as Se, Max.	mg/l	0.05	<0.001
16	Arsenic as As, Max.	mg/l	0.2	<0.001
17	Cyanide as CN, Max.	mg/l	0.05	ND
18	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
19	Lead as Pb, Max.	mg/l	0.1	<0.01
20	Zinc as Zn, Max.	mg/l	15	<0.05
21	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
22	Total Coliform, Max.	MPN/100ml	5000	470
23	Faecal Coliform	MPN/100ml	--	21

, MPN-Most Probable Number

END OF REPORT


Authorized Signatory

Notes:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.

Seal of Laboratory

Environmental
Laboratory

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: cemclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001:2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/030724/W2

Issued Date-03.07.2024

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 13.06.2024
Sampling by : Mr. R.N Das
Date of Sample Received : 13.06.2024
Date of Analysis : 13.06.2024 to 19.06.2024
Sample Description : Surface Water
Sample Location : Khari Nalla, Down Stream(SW2)
Reference No. : CEMC-03072024W2

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW3
1	Colour, Max.	Hazen	300	70
2	pH Value @ 25°C	--	6.5 to 8.5	7.58
3	Iron as Fe, Max.	mg/l	50	0.22
4	Chloride as Cl, Max.	mg/l	600	30.0
5	Dissolved Solids, Max.	mg/l	1500	440.0
6	Dissolved Oxygen, Min.	mg/l	4	6.7
7	BOD for 3 days@ 27°C, Max.	mg/l	3	<2.0
8	Oil & Grease, Max.	mg/l	0.1	ND
9	Copper as Cu, Max.	mg/l	1.5	<0.03
10	Sulphate as SO ₄ , Max.	mg/l	400	17.4
11	Nitrate as NO ₃ , Max.	mg/l	50	2.9
12	Fluoride as F, Max.	mg/l	1.5	0.09
13	Anionic detergent	mg/l	1	ND
14	Cadmium as Cd, Max.	mg/l	0.01	<0.003
15	Selenium as Se, Max.	mg/l	0.05	<0.001
16	Arsenic as As, Max.	mg/l	0.2	<0.001
17	Cyanide as CN, Max.	mg/l	0.05	ND
18	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	ND
19	Lead as Pb, Max.	mg/l	0.1	<0.01
20	Zinc as Zn, Max.	mg/l	15	<0.05
21	Hexavalent Chromium as Cr ⁺⁶ , Max.	mg/l	0.05	<0.05
22	Total Coliform, Max.	MPN/100ml	5000	470
23	Faecal Coliform	MPN/100ml	--	40

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

END OF REPORT

BPDAS

Authorized Signatory

Seal of Laboratory

Notes:

- The result given above related to the tested sample as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: ccmclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report No. - CEMC/ TSSEZL /030724/N

Issued Date-03.07.2024

Name & Address of the Client	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur
Reference No.	CEMC-03072024N
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.
13.06.2024	Near Project office	62.2	58.8	60.5	58.1	54.5	56.3
13.06.2024	Near main gate(Chamakhandi)	69.6	63.4	66.5	59.5	55.3	57.4

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

Notes:

- The results relate only to the sample tested.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: cemclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report No. - CEMC/ TSSEZL /030824/N

Issued Date-03.08.2024

Name & Address of the Client	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur
Reference No.	CEMC-03082024N
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.
27.07.2024	Near Crusher Area	62.3	58.5	60.4	56.4	52.4	54.4
27.07.2024	Near Main Gate(Chamakhandi)	67.7	63.1	65.4	59.4	55.6	57.5

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

Notes:

- The results relate only to the sample tested.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.

Seal of Laboratory



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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: ccmclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

Report no.-CEMC/TSSEZL/030824/W1

Issued Date-03.08.2024

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 27.07.2024
Sampling by : Mr. R.N Das
Date of Sample Received : 29.07.2024
Date of Analysis : 29.07.2024 to 02.08.2024
Sample Location : Khari Nalla, Up stream (SW1)
Reference No. : CEMC-03082024 W1

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW1
1	Colour, Max.	Hazen	300	95
2	pH Value @ 25°C	--	6.5 to 8.5	7.58
3	Turbidity	NTU	--	15
4	Total Suspended Solids	mg/l	--	7.2
5	Iron as Fe, Max.	mg/l	50	0.95
6	Chloride as Cl, Max.	mg/l	600	31.3
7	Dissolved Solids, Max.	mg/l	1500	261.4
8	Dissolved Oxygen, Min.	mg/l	4	6.8
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	27.5
13	Nitrate as NO ₃ , Max.	mg/l	50	18.1
14	Fluoride as F, Max.	mg/l	1.5	<0.05
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	1600
25	Faecal Coliform	MPN/100ml	--	900

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

END OF REPORT

Authorized Signatory

Notes:

Seal of Laboratory

The result given above related to the tested sample, as received. The customer asked for the above test only.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: cemclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.

Report no.-CEMC/TSSEZL/030824/W2

Issued Date-03.08.2024

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 27.07.2024
Sampling by : Mr. R.N Das
Date of Sample Received : 29.07.2024
Date of Analysis : 29.07.2024 to 02.08.2024
Sample Description : Surface Water
Sample Location : Khari Nalla, Down Stream (SW2)
Reference No. : CEMC-03082024W2

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW2
1	Colour, Max.	Hazen	300	75
2	pH Value @ 25°C	--	6.5 to 8.5	7.41
3	Turbidity	NTU	--	20
4	Total Suspended Solids	mg/l	--	10.6
5	Iron as Fe, Max.	mg/l	50	0.89
6	Chloride as Cl, Max.	mg/l	600	17.37
7	Dissolved Solids, Max.	mg/l	1500	217.8
8	Dissolved Oxygen, Min.	mg/l	4	6.7
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	29.2
13	Nitrate as NO ₃ , Max.	mg/l	50	34.4
14	Fluoride as F, Max.	mg/l	1.5	<0.05
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	900
25	Faecal Coliform	MPN/100ml	--	500

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

END OF REPORT

Authorized Signatory

Seal of Laboratory

Notes:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: cemclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.



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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: cemclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/030924/A4

Issued Date-03.09.2024

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-03092024A4
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 TSSEZL Project Office	15.08.2024	<20	<10	<0.1	<0.6	<0.44	<5	<1
Near Crusher Office	15.08.2024	<20	<10	<0.1	<0.6	<0.44	<5	<1
Near Main Gate(Chamakhandi)	15.08.2024	<20	<10	<0.1	<0.6	<0.44	<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:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: ccmclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/030924/W1

Issued Date-03.09.2024

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 13.08.2024
Sampling by : Mr. R.N Das
Date of Sample Received : 13.08.2024
Date of Analysis : 13.08.2024 to 19.08.2024
Sample Location : Khari Nalla, Up stream(SW1)
Reference No. : CEMC-03092024W1

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW1
1	Colour, Max.	Hazen	300	45
2	pH Value @ 25°C	--	6.5 to 8.5	7.19
3	Turbidity	NTU	--	84.2
4	Total Suspended Solids	mg/l	--	47
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°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	--	21

, MPN-Most Probable Number

END OF REPORT

R.P.Das
Authorized Signatory

Seal of Laboratory

Notes:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: cemclub@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/030924/W2

Issued Date-03.09.2024

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 13.08.2024
Sampling by : Mr. R.N Das
Date of Sample Received : 13.08.2024
Date of Analysis : 13.08.2024 to 19.08.2024
Sample Description : Surface Water
Sample Location : Khari Nalla, Down Stream(SW2)
Reference No. : CEMC-03092024W2

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW2
1	Colour, Max.	Hazen	300	75
2	pH Value @ 25°C	--	6.5 to 8.5	7.72
3	Turbidity	NTU	--	73.8
4	Total Suspended Solids	mg/l	--	40
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°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

Authorized Signatory

Seal of Laboratory

Notes:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: ccmclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report No. - CEMC/ TSSEZL /030924/N

Issued Date-03.09.2024

Name & Address of the Client	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur
Reference No.	CEMC-03092024N
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.
20.08.2024	Near Project office	65.4	59.6	62.5	58.8	53.2	56.0
20.08.2024	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

Authorized Signatory

Seal of Laboratory

Notes:

- The results relate only to the sample tested.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: ccmclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001:2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/031024/W1

Issued Date-03.10.2024

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 13.09.2024
Sampling by : Mr. R.N Das
Date of Sample Received : 13.09.2024
Date of Analysis : 13.09.2024 to 19.09.2024
Sample Location : Khari Nalla, Up stream(SW1)
Reference No. : CEMC-03102024W1

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW1
1	Colour, Max.	Hazen	300	40
2	pH Value @ 25°C	--	6.5 to 8.5	7.68
3	Turbidity	NTU	--	56.3
4	Total Suspended Solids	mg/l	--	63.8
5	Iron as Fe, Max.	mg/l	50	2.77
6	Chloride as Cl, Max.	mg/l	600	17.4
7	Dissolved Solids, Max.	mg/l	1500	280
8	Dissolved Oxygen, Min.	mg/l	4	5.8
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	16.0
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	141
25	Faecal Coliform	MPN/100ml	--	17

, MPN-Most Probable Number

END OF REPORT

R.P.Das
Authorized Signatory

Seal of Laboratory

Notes:

- The result given above related to the tested sample as received. The customer asked for the above test only.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: cemclab@yahoo.in

Location: Near Mines Crusher												
	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NOx ($\mu\text{g}/\text{m}^3$)	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 ($\mu\text{g}/\text{m}^3$)	As (ng/m^3)	Benzene ($\mu\text{g}/\text{m}^3$)	BaP (ng/m^3)
Months												
Apr-24	68.4	35.68	11.92	16.77	0.45	<20	<10	<0.01	<0.6	<0.44	<5	<1
May-24	64.78	33.76	11.56	14.79	0.5	<20	<10	<0.01	<0.6	<0.44	<5	<1
Jun-24	64.35	34.76	12.98	17.96	0.53	<20	<10	<0.01	<0.6	<0.44	<5	<1
Jul-24	54.78	27.77	7.56	10.79	0.3	<20	<10	<0.01	<0.6	<0.44	<5	<1
Aug-24	53.14	25.8	7.9	11.42	0.24	<20	<10	<0.01	<0.6	<0.44	<5	<1
Sep-24	55.9	28.6	8.33	12.11	0.36	<20	<10	<0.01	<0.6	<0.44	<5	<1
MAX	68.4	35.68	12.98	17.96	0.45	<20	<10	<0.01	<0.6	<0.44	<5	<1
MIN	55.9	25.8	7.9	10.79	0.3	<20	<10	<0.01	<0.6	<0.44	<5	<1
AVG	60.2	31.1	10.0	13.9	0.3	<20	<10	<0.01	<0.6	<0.44	<5	<1


 Date: _____
 Signature: _____



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001:2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/TSSEZL/031024/W2

Issued Date-03.10.2024

SURFACE WATER QUALITY TEST REPORT

Name & Address of the Client : M/s. Tata Steel Special Economic Zone Ltd, Gopalpur.
Date of Sampling : 13.09.2024
Sampling by : Mr. R.N Das
Date of Sample Received : 13.09.2024
Date of Analysis : 13.09.2024 to 19.09.2024
Sample Description : Surface Water
Sample Location : Khari Nalla, Down Stream(SW2)
Reference No. :CEMC-031024W2

ANALYSIS RESULT

Sl. No.	Test Parameters	Unit	Max. Tolerance Limit as per IS 2296 : Class C	SW2
1	Colour, Max.	Hazen	300	50
2	pH Value @ 25°C	--	6.5 to 8.5	7.69
3	Turbidity	NTU	--	45.8
4	Total Suspended Solids	mg/l	--	28.6
5	Iron as Fe, Max.	mg/l	50	0.75
6	Chloride as Cl, Max.	mg/l	600	20.84
7	Dissolved Solids, Max.	mg/l	1500	288
8	Dissolved Oxygen, Min.	mg/l	4	6.1
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	6.85
13	Nitrate as NO ₃ , Max.	mg/l	50	6.57
14	Fluoride as F, Max.	mg/l	1.5	0.38
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	210
25	Faecal Coliform	MPN/100ml	--	37

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

END OF REPORT

Authorized Signatory

Seal of Laboratory

Notes:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
- This Test Report shall not be reproduced, wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

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

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842

E-mail: cemclab@yahoo.in



CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report No. - CEMC/ TSSEZL /031024/N

Issued Date-03.10.2024

Name & Address of the Client	M/s. Tata Steel Special Economic Zone Ltd, Gopalpur
Reference No.	CEMC-03102024N
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.
13.09.2024	Near Project office	64.6	60.2	62.4	58.3	53.9	56.1
13.09.2024	Near main gate(Chamakhandi)	69.8	65.8	67.8	61.9	57.3	59.6

End of Report

NATIONAL STANDARD NOISE LEVEL

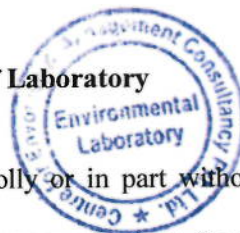
Area Code	Category of Area/Zone	Permissible Limit in dB (A)	
		Day Time	Night Time
A	Industrial Area*	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40


Authorized Signatory

Seal of Laboratory

Notes:

- The results relate only to the sample tested.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

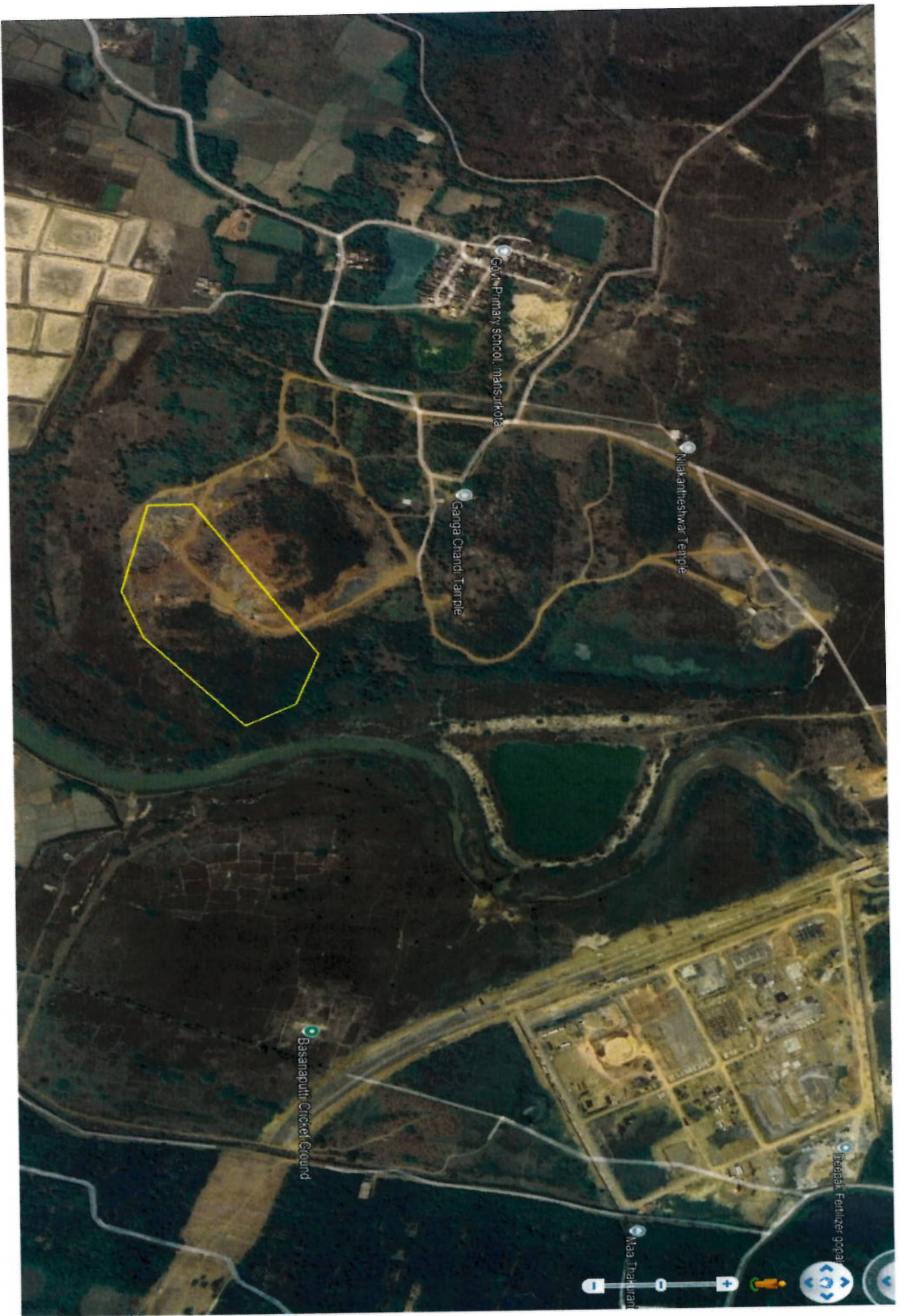


Environmental Studies (EIA & EMP), Monitoring, Forest Diversion Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS& GIS, Baseline Survey, Hydrological & Geological Studies, Socio-economic Studies, DGPS & ETS Survey.

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 9861032826

E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101, Odisha, India, Mobile: 7752014842
E-mail: cemclab@yahoo.in



EC Submitty to Local Sarpanch
mms

Satyanarayana Puri

आदेश: 18/04/2024/2024/ आदेश: 18/04/2024/ आदेश: 18/04/2024/



RD200136750IN IVR:8279200136750
RL BIRHAMPUR UNIVERSITY S.O (760002)
Counter No:1,04/06/2024,10:35
To:THE SARAPANCH,NARAYANPUR
PIN:761002, Gopalpur S.O (Bansgarh)
From:TATA STEEL SPL EDO ,GOPALPUR
Wt:70gms Ack Fee:3.00,REG=17.0
Amt:47.20,Tax:7.20,Amt.Paid:47.00(Cash)
(Track on www.indiapost.gov.in)



Detail Data for Mining and Crushing of Stone Aggregates						
S.NO.	DESCRIPTION	UNIT	As Per BOQ		Billed Quantity	Total Production
			QTY	RATE	QTY	QTY
1	75 mm and down	Cum	10.00	700		
2	53 mm and down (GSB for Roads)	Cum	29547.00	640	29510.583	29,510.58
3	40 mm and down (WMM for Roads)	Cum	4096.00	750	4096.00	4,096.00
4	20 mm and down (Concrete - RCC & PCC)	Cum	12194.00	800	12193.423	12,193.42
5	Crusher dust	Cum	1560.000	205	1517.73	1,517.73
6	150-250 mm stone (For Pitching work)	Cum	856.00	600	856.00	856.00
	Total		48263.00		48173.74	



0422935

ସୂଚକ ସଂ

31-3-2010

Received from: Sr. Manager, SFT & PG
Barbours Co. (TATA Steel) 2009
Payable through Cheque no 905245
and 2132010 of FIDAT Bank Ltd. 2010
(Relay of M/s. Sunil) (Paise) 000000
Rs 1,50,00,000/- (Rupees ONE Crore
fifty Lakh only)

Signature of the Officer and Designation

IP (Forms) DTP-212-20,000Bks.-10-12-2009

Tahasildar Beshampur's
Money receipt no. 0422935
of 31.3.2010 for Rs. 1,50,00,000/-
kept in this file.

1500 000000
128 62375
628 62375



Letter No.-SHE-1386 /Dated.- 21.11.2024

To

The D.F.O,
Ganjam Forest Division,
Brahampur,Ganjam, Odisha.

Sub: - Paid the amount to District Environment Society, Ganjam for deposition of Compensatory tree Planting (CTP).EC no-EC22B000OR162033.

Ref- Your Letter No-9006/4f-1230/2024 dated 13th November 2024.

Dear Sir,

With your reference to the subject cited above, this is inform you that , as per Environment Clearnce issued by SEIAA , BBSR on dt 03.12.2022 Cluse no 7.4 of deposit the Rs 2,25,000 for compensatory afforestation of 500 tree plant at respective district Environment Society., Ganjam and we have made the payment to District Environment Society dated on 18.11.2024 through NEFT and transaction no -0719CT00KGEH09.

Therefore, I request you to kindly Provide money receipt for future reference which is I shall highly obliged near you.

Thanking You.

Yours' Faithfully,

Sannat
20/11/24

For M/s Tata Steel Special Economic Zone Limited

Chief-Gopalpur Project & SEZ
TATA STEEL SPECIAL ECONOMIC ZONE LIMITED

TATA STEEL SPECIAL ECONOMIC ZONE LIMITED

(A 100% subsidiary of Tata Steel Limited)

Regd. Off.: Fortune Towers, 2nd Floor, Chandrasekharpur, Bhubaneswar-751 023
Tel. No. 0674-6651015 Fax 0674-6651019 Web www.tatasteelsez.com E-mail: contact@tatasteelsez.com
CIN:U45201OR2006PLC008971



OFFICE OF THE DIVISIONAL FOREST OFFICER, BRAHMAPUR FOREST DIVISION

AT/P.O. COURTPETA SQUARE, BRAHMAPUR, DIST. GANJAM (ODISHA) – 760 004

Phone / Fax Number – 0680 2281354, Cell Phone Number – 7653908594

E-mail id – dfo.berhampur@odisha.gov.in

Letter No. 9006 /4F- 1230/2024

Dated, Brahmapur the 13th November 2024.

To

Saurabh Sugandh

Chief Projects

TATA STEEL SPECIAL ECONOMIC ZONE LTD.

Project Office, Near Hanuman Temple

Mandiapalli, Berhampur, Ganjam

Sub:

Providing the account details of District Environmental Society, Ganjam for deposition of Compensatory Tree Planting (CTP) fee for the proposed Mansurkota Stone Quarry over an area of 12.00 Acre or 4.856 Ha. in Village-Mansurkota, Tahasil-Konishi, District-Ganjam, Odisha.

Ref:-

Your Letter No. CP/TSSEZL/380/2024, dtd.14.10.2024.

Sir,

With reference to the subject cited above, this to inform you that, as per Environment Clearance issued by SEIAA, BBSR on dt 03.12.2022 quoted at point No. 7.4 (copy enclosed) the project proponent (lease holder) shall deposit Rs. 2,25,000/- for compensatory afforestation of 500 plants at respective District Environment Society, Ganjam. Also, you have requested the undersigned vide your letter No. CP/TSSEZL/380/2024 on dt.14.10.2024 to furnish the account details of DES, Ganjam for depositing the amount Rs.2,25,000/-

Hence, you are hereby directed to deposit the above amount Rs. 2,25,000/- (Rupees Two Lakhs Twenty-Five Thousand) only in favour of the Secretary, District Environment Society, Ganjam, Berhampur, Account No- 30169092384, IFSC Code- SBIN0000033, State Bank of India, Main Branch, Berhampur, Ganjam, with a confirmation letter to the undersigned positively.

This is for your information and necessary action.

Yours Faithfully

Divisional Forest Officer
Brahmapur Division

Memo No. 9007 /Dtd. 13.11.2024 /

Copy forwarded to the Member Secretary, O/o the State Environment Impact Assessment Authority, (SEIAA) Odisha, 5RF-s2/1, Unit- IX, Bhubaneswar – 751022 for information and necessary action.

Divisional Forest Officer
Brahmapur Division

RE: SR- Approval for payment of DES fund for stone quarry of Mansur Kota Rs-2.25) Urgent Required

Delete Archive Report Reply Reply all Forward Zoom Read / Unread Categorise Flag / Unflag Print

RE: SR- Approval for payment of DES fund for stone quarry of Mansur Kota Rs-2.25) Urgent Required

Dear Sir,

We made payment to District Environment on Dt: 18th Nov 2024

Account No.	Branch	Amount
00000000000000000000	FOURUNG, EUTELN, BHUBANESWAR	2,25,000.00

Credit Account Details

Account No.	Branch	Amount	Credit Note No.
00000000000000000000	DISTRICT ENVIRONMENT	2,25,000.00	2024/11/18

Kindly Acknowledge.

Thanks & Regards,

Priyambada Priyadarshini sahoo
Accountant, F & A

TATA STEEL SPECIAL ECONOMIC ZONE

35, Sea Face, Ferruss Towers, Chandrasekhar, Bhubaneswar-751025
98666-9177899722

accounts@tatasteel.com <http://www.tatasteel.com>

From: Satya Narayan Pradhan <satya.pradhan@tatasteel.com>

Sent: Friday, November 15, 2024 5:54 PM

To: Accounts <accounts@tatasteel.com>

Subject: Fw: SR- Approval for payment of DES fund for stone quarry of Mansur Kota Rs-2.25) Urgent Required

Satya Narayan Pradhan

BSE midcap
+0.97%

Search

ENG
IN 14:15
20-11-2024

RE: SR- Approval for payment of DES fund for stone quarry of Manur Kota Rv-2.25(Urgent Required)

Delete Archive Report Reply Reply all Forward Zoom Read / Unread Categories Flag / Unflag Print ...

RE: SR- Approval for payment of DES fund for stone quarry of Manur Kota Rv-2.25(Urgent Required)

Dear Sir,

We made payment to District Environment on Dt: 18th Nov 2024

Credit Account Details

Kindly Acknowledge.

Thanks & Regards,

Priyambada Priyadarshini sahoo
Accountant, F&A

TATA STEEL SPECIAL ECONOMIC ZONE

25 Old Fair Forme Town, Chakradharpur, Bhubaneswar-751022
Mobile No: 9868077222

sahoo.priyambada@tatasteel.com <http://www.tatasteel.com>

From: Sunita Narayan Pradhan <sunita.pradhan@tatasteel.com>

Sent: Friday, November 25, 2024 5:54 PM

To: Accounts <accounts@tatasteel.com>

Subject: For SR- Approval for payment of DES fund for stone quarry of Manur Kota Rv-2.25. Urgent Required

Sunita Narayan Pradhan

 BSE India
+91 9868077222



 ENG 91 10:15 20-11-2024