

Ref No. APSEZL/EnvCell/2025-26/067

Date: 08.09.2025

To,

✓ **Member Secretary**

Gujarat Pollution Control Board

Paryavaran Bhavan,

Sector-10-A, Gandhinagar-382010

Dear Sir,

Sub: Environmental Statement for the financial year ending 31st March, 2025 for **M/s Adani Ports and Special Economic Zone Limited (WFDP-West Port)**.

Ref: 1. Consent Order No. AWH – 113458 issues dated 28.06.2021 Valid till 01.02.2027.

With reference to the above-mentioned subject and reference, please find enclosed Environmental Statement in Form V prescribed under Rule 14 of the Environment (Protection) Rules 1986, for **M/s Adani Ports and Special Economic Zone Limited (WFDP-West Port), Village: Tunda, Taluka: Mundra, Dist. Kutch - 370421** for the financial year ending 31st March 2025.

Thank you,

Yours faithfully,

For **Adani Ports and Special Economic Zone Limited**

[Signature]

Authorized Signatory

[Signature] 11/09/25
Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar-382010

Encl: As above.

Copy to: The Regional Officer, Gujarat Pollution Control Board, Gandhidham

PFORM V
(See Rule 14)

Environmental Statement for the Financial Year ending 31st March 2025

PART – A

(i)	Name and address of the Owner/ Occupier of the Industry Operation or Process	:	Mr. Sujalkumar Shah CEO – Mundra & Tuna Port Adani Ports and SEZ Limited 4 th Floor, Adani House, Mundra, Kutch – 370421. Ph No. (02838) 255000
(ii)	Industry Category Primary (STC Code) Secondary (STC Code)	:	Red-Large NA NA
(iii)	Production Capacity	:	Dry Cargo Handling: 6,00,00,000 MT/Month
(iv)	Year of Establishment	:	2011
(v)	Date of last Environment Statement submitted	:	02/09/2024

PART – B

Water and Raw Material Consumption

(i) Water Consumption

Water Consumption Cu. Mtr./Day	Average
Process	Nil
Gardening / Horticulture / Sprinkling	3079.11 m ³ /day
Domestic	19.14 m ³ /day

Details of Water Consumption for the year 2024-25 are enclosed as **Annexure – 1**.

Name of Products	Process Water Consumption per unit of Product Output*	
	During the current financial year (2023-24)	During the current financial year (2024-25)
Handling, Storage and Distribution of Dry Cargo*	0.032 KL/MT of Cargo Handled	0.036 KL/MT of Cargo Handled

*** Unit does not go under any manufacturing process. The water consumed was mainly in firefighting, dust suppression, sprinkling and horticulture activities.**

Environment Statement for 2024-25 for M/s Adani Ports & SEZ Limited (WFDP-West Port)

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(ii) Raw Material Consumption

Name of Raw Material	Name of Products	Consumption of Raw Material per Unit of output	
		During the current financial year (2023-24)	During the current financial year (2024-25)
The West Basin is a part of Waterfront Development Project of APSEZL. The West Basin is handling Coal	Dry Cargo Handling	29.96 MMT	31.78 MMT

*** Unit does not go under any manufacturing process. It is a service industry for dry cargo handling, storage and distribution.**

PART – C

Pollutants discharged to Environment/Unit of Output
(Parameters as specified in consent issued)

Pollutants	Quantity of pollutants discharged (Mass/day)		Concentrations of pollutants in discharges (mass/volume)		Percentage of variation from prescribed standards with reasons
	Parameters	Avg. Mass Kg/Day	Parameters	Avg.	
(a) Waste Water (Domestic sewage)	pH	--	pH	7.32	There is no variation from prescribed standards in terms of quality of wastewater discharge. 1. From STP, 5589 KL treated water discharged during April 2024 – March 2025. Which is being used for the horticulture/plantation. 2. Analysis reports of treated water are enclosed as Annexure – 2.
	Total Suspended Solids	0.29	Total Suspended Solids (mg/l)	19.00	
	BOD (5 Days @ 20 oC)	0.23	BOD (5 Days @ 20 °C) (mg/l)	15.12	
	Residual Chlorine	0.01	Residual Chlorine (mg/l)	0.67	
	Fecal Coliform	1.00	Fecal Coliform (MPN/100ml)	65	
(b) Air (DG Stack 1500 + 1500 KVA)	Parameters	Avg. Mass Kg/Day	Parameters	Avg.	There is no variation from prescribed standards in terms of quality of wastewater discharge. 1. DG sets having capacities 1500 KVA + 1500 KVA are
	Particulate Matter (PM)	0.0070	Particulate Matter (PM) (mg/Nm3)	19.79	

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	Sulphur Dioxide (SO ₂)	0.0143	Sulphur Dioxide (SO ₂) (ppm)	15.79	provided as a standby power source and used during power failure. Analysis reports of stack monitoring are enclosed as Annexure – 2 . 2. The ambient air quality monitoring is being done regularly (twice a week) through NABL and MoEF&CC recognized laboratory namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. 3. Analysis reports of ambient air quality monitoring are enclosed as Annexure – 2 .
	Nitrogen Oxide (NO _x)	0.0142	Nitrogen Oxide (NO _x) (ppm)	21.79	

*** Unit does not go under any manufacturing process, as it is service industry (Port) engaged in Handling & Storage of general dry cargo. The source of waste water generation is from domestic activity only.**

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PART – D

Hazardous Wastes

(As specified under Hazardous & Other Wastes Management Rules 2016)

Hazardous Wastes	Total Quantity (MT)	
	During the current financial year (2023-24)	During the current financial year (2024-25)
(a) From Process	a) Oily Cotton Waste (cat.33.2): 11.270 MT b) Used oil (cat.5.1)- 46.652 MT c) Discarded Containers (33.1) – NIL	a) Oily cotton waste (cat, 33.2): 17.74 MT b) Used oil (cat,5.1): 36.85 MT c) Discarded containers: NIL
(a) From Pollution Control facilities	Nil	Nil

PART – E

Solid Waste

Solid Waste	Total Quantity Generated (MT/Annum)	
	During the current financial year (2023-24)	During the current financial year (2024-25)
a) From Process (Ash)	Nil	Nil
b) From Pollution Control facilities	-	-
(C-1) Quantity recycled or reutilized within the unit	Details is Attached as Annexure-3	
(C-2) Sold		
(C-3) Disposed		

Note: Above Quantity shown is waste generated / disposed from entire Adani Ports & SEZ Limited.

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PART - F

Please specify the characterization (in terms of Composition and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes:

- The West Basin is handling dry cargo mainly coal with integrated mechanized automation and there is no any manufacturing process involve.
- The spent / used oil and discarded containers collect and store at dedicated Hazardous Waste storage facility available with organization which is disposed by selling to registered reprocessor / recyclers.
- Oily cotton waste generated from maintenance activity is being disposed by Co-processing at cement industries.
- Sludge generated from STP is being utilized as manure in horticulture activity within APSEZ premises.
- Zero Waste" initiative - No waste is being sent to landfill or incineration facility @ Adani Ports & SEZ (also as a 100% subsidiary company of APSEZ, West Port is also intended to contribute the same), all waste are being managed through 5 R principal of waste Management. APSEZ has eminent material recovery facility (MRF), having appropriate facility to proper segregate & recover the materials as per set process. Mixed Waste is being segregated via specialized mix waste segregation machine in two forms –Bio and Non bio without manual segregation, where risk to health hazards is minimized. Further waste is segregated into 16 streams at MRF, which is sent to different end users following 5 R principal. To manage all operation of MRF, APSEZ developed local vendor though his past learnings and employed local women staff mainly to segregate waste.
- Wet Waste being managed through Organic Waste Composting Facility and Biogas generation.
- Dry waste and e-waste collection drive is being organized every month within townships to collect municipal solid waste as well as e-waste from households.
- Plastic free APSEZ Drive:
 - Replacement of conventional plastic garbage collection bag with biodegradable / compostable bags & also Rafia bags (more than 120 µm size) for other waste collection.
 - Conducted Training Awareness Programme with Adani Foundation for Student on "Single Use Plastic Ban" at Zapara & Navinal School dated 4th & 5th May, 2023.
 - Celebrated "International Plastic Bag Free Day" on 3rd July 2023 by conducting the Training Awareness to students at Bhujpur Village, and with Cotton Bag distribution in our residential Colonies.
 - Plastic Waste Collection Drive was conducted on 20th March 2024 at our Old Railway Building, aimed at combating plastic pollution, and fostering environmental sustainability. The drive was continued for full working day and collected approx. 450 kgs of plastic waste from our old Railway Building area.
 - Awareness sessions organized among department and contract workers.
 - Made shop keepers and canteen owners to stop providing plastic carry bags to carry the material.
 - Regular supervision by Team Members at Port Canteens and Shops townships for verification of prohibition of plastic.
 - Defined 3 Levels to achieve plastic free APSEZ.

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- APSEZ, Mundra has been awarded the Zero Waste to Landfill Management System certification (Certificate No.: CII/ZWL/2025/001) by the Confederation of Indian Industry (CII), valid until 22nd December 2027.
- Sludge generated from STP is being utilized as manure for horticulture purpose.

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Energy Savings (APSEZ)

- 217 nos. of Electrical truck Vehicle for internal movement of material (E-ITV's).
- 10 nos. of Electrical Car for movement of employees and all are working.
- Replacement of diesel loco by Electrified railway line of approx. 91 km from West port to Adipur Railway station.
- Installed 8.8 MW roof top solar generating plant at various locations in SEZ in Mundra which generated nearly 8.54 million units in FY 2024-25 and utilized the renewable source of energy for captive use this reduced the emission of CO₂ by nearly 7002 tCo₂e.

Water Conservation:

- Water reducers have been installed in the Residence Area and various offices.
- Waterless urinals have been placed in various offices.
- Modifications of flush tank have been added in water system of toilet area in Port User Buildings.
- Recollection of water provided for hydro testing through water.
- Sensor based automatic On/Off pump & Automatic controlled water tap which eliminates the manual Intervention and reduce the water wastage.
- Digitization of Commercial water flow meter and domestic water meters at residential (Samundra) township for real-time monitoring and tracking the water consumption.
- 100% Utilization of treated water for horticulture use
- Following safeguard measures are taken for abatement of dust and noise emissions:
 - ✓ Regular sprinkling on road and other open area
 - ✓ Regular cleaning of roads
 - ✓ D.G. Set having acoustic enclosures
 - ✓ Adequate greenbelt and plantation area

Following safeguard measures are taken for abatement of dust and noise emissions:

- ✓ Regular sprinkling on road and other open area
- ✓ Regular cleaning of roads
- ✓ Dry fog Dust Suppression System (DSS) in hopper,
- ✓ transfer towers and conveyor belts
- ✓ Use of water mist canon

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- ✓ Closed type conveyor belts
- ✓ Regular sprinkling on coal heaps
- ✓ Covering other types of dry bulk cargo heaps
- ✓ Installation of wind breaking wall
- ✓ Development of greenbelt along the periphery of the storage yards/back up area
- ✓ Mechanized handling system for coal and other dry bulk cargo
- ✓ Wagon loading and truck loading through closed silo
- ✓ D.G. Set having acoustic enclosures

PART – H

Additional measures /investment/ proposal for environmental protection including abatement of pollution, prevention of pollution.

- Wind screen having 16.0 meter height has been provided around the coal stacks to abate the fugitive dust emission.
- West Basin handles the coal with a mechanized conveyerization system. This eliminates the dumper movements for coal transport and avoids air emission and spillage of coal and therefore prevents wastage of natural resources.
- Automatic (through water pressure) swiveling part circle sprinklers are provided along both side of each stockpile for dust suppression system.
- Coal unloaded through Grab Sampler Unit (GSU) is being transferred through conveyer belt to coal stockpile. Entire coal handling system starting from GSU to coal stockpile & from coal stock pile to wagon/truck loading silos is provided with Dry Fog Dust Suppression System.
- Apart from this, the entire port is provided with closed conveying system to control fugitive dust emission. In addition each transfer point of closed conveyer has been provided with dry fogging system also.
- Settling pond provided at each stock pile to arrest silt particle from storm water drain.
- Mechanized & vacuum road sweeping machines have been deployed for regular cleaning of road and paved rack.
- Total mangrove conservation area is 2723 Ha and mangrove afforestation area is 4140 Ha. (250 ha during FY 2023-24).
- In West basin greenbelt area is approx. 104.29 hectare and having 3.15 lac saplings (tree+ palm).
- In entire APSEZ more than 457.99 ha. area is developed as greenbelt with samplings of more than 9.06 Lacs.

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PART – I

Any other particulars for improving the quality of environment:

- Monitoring of environmental parameters such as Air, Noise, and wastewater quality being done regular basis through MoEF & NABL recognized laboratory (M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi).
- Awareness program and training on waste management, water conservation, energy conservation for employees & their families, contractors, local community is being conducted on regular basis.
- APSEZ has Environment Cell for environmental management and environmental monitoring.
- APSEZ Budget for environmental management measures (including horticulture) for the FY 2023-24 is to the tune of INR **1536.48** lakh. Out of which, Approx. INR **1366.78** lakh is spent during the year FY 2023-24. Detailed breakup of the expenditures for the FY 2023-24 is attached as **Annexure – 4**.



Date: 08-09-2025

(Signature of a person carrying out an industry, operation or process)

Designation: **Head-Environment Cell**

Address: **Adani House, P.O. Box No. 1, Adani Ports & SEZ Ltd.,
Village & Taluka: Mundra, Kutch – 370421.**

Environment Statement for 2024-25 for M/s Adani Ports & SEZ Limited (WFDP-West Port)

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Annexure – 1

**Details of Water Consumption and Treated Water Discharge
(Apr-24 to Mar-25)**

Month	Water Consumption			Treated Water Discharge, KL
	Industrial, KL (Category-1)	Domestic, KL (Category-2)	Total, KL	
Apr-24	103528	646	104174	517
May-24	140790	743	141532	594
Jun-24	149396	620	150016	496
Jul-24	66027	453	66479	362
Aug-24	53390	461	53851	369
Sep-24	40401	631	41032	505
Oct-24	85973	360	86333	288
Nov-24	118554	594	119148	475
Dec-24	97965	630	98595	504
Jan-25	97800	645	98445	516
Feb-25	79793	605	80398	484
Mar-25	90258	599	90856	479
Total	1123874	6986	1130860	5589
Per Month	93656	582	94238	466
Per Day	3079.11	19.14	3098.25	15.31

RESULTS OF STP OUTLET WATER

SR.N O.	TEST PARAMETERS	UNIT	WFDP WEST PORT STP OUTLET						GPCB Permissib le Limit	TEST METHOD
			Apr-24		May-24		Jun-24			
			11-04-2024	27-04-2024	10-05-2024	24-05-2024	12-06-2024	26-06-2024		
1.	pH @ 25 ° C	--	7.44	7.39	7.46	7.41	7.42	7.42	6.5 to 9	IS 3025 (Part-11):2022
2.	Total Suspended Solids	mg/L	24	28	24	26	22	22	100	APHA 24th Ed.2023,2540-D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	16	18	16.8	16.4	14.8	15.2	30	APHA 24th Ed.2023,5210-B
4.	Residual chlorine	mg/L	0.77	0.72	0.68	0.74	0.72	0.66	0.5 Min.	APHA 24th Ed.2023,4500-Cl-G
5.	Fecal Coliform	MPN Index/100 ml	60	80	50	70	60	90	1000	IS 3025 (Part-11):2022



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	WFDP WEST PORT STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Jul-24		Aug-24		Sep-24			
			06-07-2024	24-07-2024	13-08-2024	24-08-2024	05-09-2024	20-09-2024		
1.	pH @ 25 ° C	--	7.35	7.28	7.12	7.11	7.88	7.49	6.5 to 9	IS 3025 (Part-11):2022
2.	Total Suspended Solids	mg/L	16	22	18	18	14	18	100	APHA 24th Ed.2023,2540 - D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	16	15	16.8	14.9	9	12	30	APHA 24th Ed.2023,5210-B
4.	Residual chlorine	mg/L	0.62	0.63	0.59	0.64	0.72	0.78	0.5 Min.	APHA 24th Ed.2023,4500-Cl-G
5.	Fecal Coliform	MPN Index/100ml	50	80	60	90	70	80	1000	IS 3025 (Part-11):2022



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

MARINE WATER MONITORING SUMMARY REPORT

RESULTS OF MARINE WATER [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO.	TEST PARAM ETERS	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.11	7.94	7.96	7.81	8.05	7.89	7.98	7.74	7.91	7.82	8.12	7.94	IS 3025 (Part 11):2022
2.	Temper ature	°C	29.9	29.8	30.5	30.4	30.7	30.6	30.1	30	30	29.9	29.9	29.8	IS 3025 (Part 9):2023
3.	Total Susten ded Solids	mg/L	138	118	144	120	132	118	98	82	142	126	128	102	APHA 24th Ed.,2023,254 O- D
4.	BOD (3 Days @ 27°C)	mg/L	2.9	BDL(MDL :1.0)	3.1	BDL(MDL :1.0)	2.9	BDL(MDL :1.0)	3.1	BDL(MDL :1.0)	2.6	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	IS 3025 (Part 44):2023
5.	Dissolv ed Oxygen	mg/L	6.12	5.92	6.02	5.77	5.93	5.68	6.42	6.22	6.59	6.3	6.69	6.4	APHA 24th Ed.2023,4500 -O, B
6.	Salinity	ppt	35.86	37.11	35.92	37.28	38.82	37.15	36.12	36.88	35.78	36.71	35.87	36.64	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	μmol/L	3.39	3.06	3.55	3.23	3.71	3.39	3.55	3.39	1.94	1.61	2.32	1.72	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/L	0.543	0.478	0.609	0.565	0.565	0.522	0.456	0.435	0.174	0.13	0.379	0.312	APHA 24th Ed.2023,4500 NO ₂ B
10.	Ammon ical Nitroge n as NH ₃	μmol/L	4.22	4.11	4.48	4.37	4.43	4.37	3.8	3.69	3.954	3.85	2.59	2.16	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosph ates as PO ₄	μmol/L	1.68	1.58	1.9	1.68	1.16	1.05	1.05	BDL(MDL :0.4)	1.37	1.16	1.47	1.26	APHA 24th Ed.2023,4500 -P, D

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

12.	Total Nitrogen	μmol/L	8.153	7.648	8.639	8.165	8.705	8.282	7.806	7.515	6.068	5.59	5.289	4.192	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	36410	37180	36550	37210	36480	37180	36120	36980	34970	35960	34740	35830	IS 3025(Part 16):2023
15.	COD	mg/L	23.9	7.9	28.17	12.07	23.9	8	16.1	4	20	8	24.1	12	IS 3025(Part 58):2023

Continue...

RESULTS OF MARINE WATER [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO.	TEST PARAMETER S	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A	Phytoplankton														
1.	Chlorophyll	mg/m³	3.05	3.25	3.06	3.24	3.08	3.26	3.07	3.27	3.08	3.26	3.07	3.07	APHA (24 th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2	1.56	3	1.59	4	1.56	3	1.55	4	1.57	6	6	APHA (24 th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	109	90	110	92	114	91	112	92	114	93	112	112	APHA (24 th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	<i>Coscinodiscus</i>	<i>Odentella</i>	<i>Nitzschia</i>	<i>Biddulphia</i>	<i>Nitzschia</i>	<i>Biddulphia</i>	<i>Thalassiothrix</i>	<i>Dinophysis</i>	<i>Thalassiothrix</i>	<i>Dinophysis</i>	<i>Thalassiothrix</i>	<i>Dinophysis</i>	APHA (24 th Ed. 2023)10200A-G
			<i>Diploneis</i>	<i>Rhizosolenia</i>	<i>Diploneis</i>	<i>Rhizosolenia</i>	<i>Pinnularia</i>	<i>Rhizosolenia</i>	<i>Surirella</i>	<i>Pinnularia</i>	<i>Surirella</i>	<i>Pinnularia</i>	<i>Biddulphia</i>	<i>Pinnularia</i>	
			<i>Rhizosolenia</i>	<i>Coscinodiscus</i>	<i>Rhizosolenia</i>	<i>Coscinodiscus</i>	<i>Rhizosolenia</i>	<i>Coscinodiscus</i>	<i>Navicula</i>	<i>Thalassiothrix</i>	<i>Navicula</i>	<i>Thalassiothrix</i>	<i>Navicula</i>	<i>Thalassiothrix</i>	
			<i>Dinophysis</i>	<i>Grammatophora</i>	<i>Dinophysis</i>	<i>Grammatophora</i>	<i>Dinophysis</i>	<i>Grammatophora</i>	<i>Thalassiosira</i>	<i>Grammatophora</i>	<i>Nitzschia</i>	<i>Grammatophora</i>	<i>Nitzschia</i>	<i>Grammatophora</i>	
			<i>Thalassionema</i>	<i>Thalassiosira</i>	<i>Biddulphia</i>	<i>Navicula</i>	<i>Biddulphia</i>	<i>Navicula</i>	<i>Skeletonema</i>	<i>Ceratium</i>	<i>Skeletonema</i>	<i>Ceratium</i>	<i>Skeletonema</i>	<i>Ceratium</i>	

B			Zooplankton												
1	Abundance(Population)	noX103/100 m3	66	65	64	66	68	67							APHA (24 th Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		<i>Crustacean Larvae</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>							
			<i>Egg(Fish and Shrimps)</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>							
			<i>Copepods</i>	<i>Copepods</i>	<i>Copepods</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>							
			<i>Crustacean</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Crustacean</i>							
			<i>Bivalve Larvae</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>							
3	Total Biomass	ml/100 m ³	13.64	13.65	13.64	13.66	13.67	13.67							

Continue...

RESULTS OF MARINE WATER [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO	TEST PARAMETERS	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
C	Microbiological														
1	Total Bacterial Count	CFU/ml	100		102		104		106		108		110		APHA 24 th Ed.2023,9215-C
2	Total Coliform	/100ml	12		10		11		12		14		13		APHA 24 th Ed.2023,9222-B
3	Ecoli	/100ml	10		12		9		8		7		8		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24 th Ed.2023,9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



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RESULTS OF SEDIMENT ANALYSIS [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24 SEDIMENT	May-24 SEDIMENT	Jun-24 SEDIMENT	Jul-24 SEDIMENT	Aug-24 SEDIMENT	Sep-24 SEDIMENT	TEST METHOD
1.	Organic Matter	%	0.43	0.46	0.44	0.48	0.41	0.44	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	558.4	551.2	558.6	542.2	510.5	524.2	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	4.09	4.05	4.08	3.98	3.82	3.88	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	138.4	132.2	136.4	144.2	120.8	128.7	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	594.6	580.4	574.2	550.6	610.2	624.3	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.12	4.08	3.98	3.86	3.94	3.86	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	42.06	41.25	41.36	42.35	48.65	44.62	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	42.86	41.94	42.28	43.25	51.25	48.96	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	122.4	120.2	120.84	116.5	124.6	120.3	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.41	2.36	2.48	2.41	2.31	2.22	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

Continue...

RESULTS OF SEDIMENT ANALYSIS [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24 SEDIMENT	May-24 SEDIMENT	Jun-24 SEDIMENT	Jul-24 SEDIMENT	Aug-24 SEDIMENT	Sep-24 SEDIMENT	TEST METHOD
D	Benthic Organisms								
1	Macrobenthos	--	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	APHA (24 th Ed. 2023)10500
			<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	
			<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Amphipods</i>	<i>Gastropods</i>	<i>Gastropods</i>	
			<i>Amphipods</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	
2	MeioBenthos	--	<i>Herpectacoids</i>	<i>Gastropods</i>	<i>Herpectacoids</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	
			<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	
3	Population	no/m ²	364	366	368	367	368	367	



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RESULTS OF MARINE WATER [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	
1.	pH	--	8.18	7.98	8.06	7.86	8.12	7.94	8.05	7.86	7.96	7.84	8.06	7.94	IS 3025 (Part 11):2022
2.	Temperature	°C	29.8	29.7	30.4	30.3	30.5	30.4	30.2	30.1	30.1	30	29.8	29.7	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	142	118	136	104	142	122	118	96	94	76	114	88	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.9	BDL(M DL:1.0)	3.2	BDL(M DL:1.0)	2.8	BDL(M DL:1.0)	2.5	BDL(M DL:1.0)	2.6	BDL(M DL:1.0)	2.8	BDL(M DL:1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	6.12	5.82	6.02	5.67	5.93	5.58	6.22	6.03	6.4	6.1	6.49	6.2	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.38	37.13	36.44	37.42	36.35	37.36	35.94	36.84	35.69	36.72	35.59	36.78	By Calculation
7.	Oil & Grease	mg/L	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	μmol/L	3.39	3.23	3.71	3.55	3.87	3.55	3.39	3.23	2.42	2.1	2.49	2.15	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/L	0.5	0.478	0.543	0.522	0.5	0.456	0.478	0.435	0.239	0.196	0.259	0.13	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/L	4.27	4.16	4.48	4.43	4.32	4.27	3.74	3.69	4.11	4.014	2.28	1.81	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	μmol/L	1.68	1.47	1.47	1.37	1.26	1.16	1.16	1.05	1.05	BDL(M DL:0.4)	1.16	1.05	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	8.16	7.868	8.733	8.502	8.69	8.276	7.608	7.355	6.769	6.31	5.029	4.09	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	36240	37310	36280	37340	36110	37140	35860	36920	35810	36860	35860	36740	IS 3025(Part 16):2023
15.	COD	mg/L	19.9	7.9	32.19	16.1	27.9	12	20.1	8	24	12	28.1	16.1	IS 3025(Part 58):2023

RESULTS OF MARINE WATER [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A	Phytoplankton														
1.	Chlorophyll	mg/m³	2.98	2.69	2.97	2.64	2.96	2.63	2.95	2.66	2.98	2.67	2.99	2.68	APHA (24 th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.09	2.06	2.08	2.07	2.05	2.05	2.06	2.06	2.08	2.05	2.06	2.04	APHA (24 th Ed. 2023)10200A-G
3.	Cell Count	No. x 10 ³ /L	95	147	97	146	94	148	95	147	93	148	94	147	APHA (24 th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Thalassiothrix	Pinnularia	Thalassiothrix	Pinnularia	Dinophysis	Pinnularia	Navicula	Thalassiothrix	Surirella	Thalassiothrix	Surirella	Thalassiothrix	APHA (24 th Ed. 2023)10200A-G
			Surirella	Biddulphia	Surirella	Biddulphia	Surirella	Biddulphia	Skeletonema	Surirella	Pinnularia	Surirella	Pinnularia	Surirella	
			Navicula	Navicula	Navicula	Navicula	Nitzschia	Navicula	Rhizosolenia	Navicula	Rhizosolenia	Navicula	Melosira	Navicula	
			Thallasiosira	Rhizosolenia	Cyclotella	Rhizosolenia	Cyclotella	Rhizosolenia	Dinophysis	Thallasiosira	Dinophysis	Thallasiosira	Dinophysis	Thallasiosira	
			Skeletonema	Skeletonema	Skeletonema	Thallasiosira	Skeletonema	Thallasiosira	Thalassionema	Skeletonema	Thalassionema	Skeletonema	Thalassionema	Skeletonema	
B															
Zooplankton															
1	Abundance (Population)	noX10 ³ / 100 m ³	42		44		43		42		43		42		APHA (24 th Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		Crustacean Larvae		Crustacean Larvae		Crustacean Larvae		
			Copepods		Oikoplura		Nitzschia		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		
			Copepods nauplii		Copepods nauplii		Copepods nauplii		Copepods		Copepods		Copepods		
			Crustacean		Crustacean		Pinnularia		Crustacean		Crustacean		Copepods nauplii		
			Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		
3	Total Biomass	ml/100 m ³	15.74		15.7		15.25		15.5		15.3		15.3		

Continue...

RESULTS OF MARINE WATER [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO	TEST PARAMETER S	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
C			Microbiological												
1	Total Bacterial Count	CFU/ml	110		114		116		118		120		122		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	32		34		33		34		35		36		APHA 24 th Ed.2023, 9222-B
3	E.coli	/100ml	13		16		14		13		14		12		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24 th Ed.2023,9260 -E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



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RESULTS OF SEDIMENT ANALYSIS [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.48	0.44	0.49	0.46	0.52	0.48	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	574.2	564.8	562.2	550.2	590.5	582.1	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	4.12	4.06	4.11	4.02	3.83	3.84	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	151.4	154.2	148.9	135.4	146.2	152.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	659	668	672.2	640.5	710.2	685.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.09	4.02	4.11	4.02	4.16	4.02	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	43.21	44.13	44.28	39.82	42.44	44.31	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	43.05	42.64	42.86	41.25	48.95	46.36	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	155.4	146.5	145.6	136.4	142.4	135.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.33	2.13	1.96	2.05	2.11	2.04	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

Continue...

RESULTS OF SEDIMENT ANALYSIS [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
D			Benthic Organisms						
1	Macrobenthos	--	Decapods Larvae	Polychates	Polychates	Foraminiferan	Foraminiferan	Foraminiferan	APHA (24 th Ed. 2023)10500
			Isopods	Isopods	Isopods	Gastropods	Gastropods	Gastropods	
			Amphipods	Amphipods	Gastropods	Isopods	Isopods	Isopods	
			Sipunculids	Sipunculids	Sipunculids	Sipunculids	Amphipods	Amphipods	
2	MeioBenthos	--	Foraminiferan	Foraminiferan	Decapods Larvae	Herpectacoids	Sipunculids	Sipunculids	
			Herpectacoids	Herpectacoids	Herpectacoids	Polychates	Polychates	Polychates	
3	Population	no/m ²	256	350	321	308	254	307	



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RESULTS OF MARINE WATER [M3 EAST OF BOCHASLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO	TEST PARAMETERS	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	
1.	pH	--	8.22	8.1	8.14	8.06	8.18	8.08	8.07	7.91	8.11	7.89	8.14	7.93	IS 3025 (Part 11):2022
2.	Temperature	°C	29.9	29.8	30.5	30.4	30.4	30.3	30.2	30.1	30.1	30	29.9	29.8	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	136	112	142	116	136	116	128	118	112	94	106	82	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3	BDL(MD L:1.0)	2.8	BDL(MD L:1.0)	2.9	BDL(MD L:1.0)	2.4	BDL(MD L:1.0)	2.8	BDL(MD L:1.0)	3.1	BDL(MD L:1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	5.92	5.72	5.82	5.57	5.73	5.48	6.32	6.22	6.49	6.3	6.59	6.4	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.58	37.28	36.64	37.44	36.55	37.38	36.24	37.21	35.96	36.88	35.88	36.74	By Calculation
7.	Oil & Grease	mg/L	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	μmol/ L	3.23	2.9	3.87	3.55	3.23	2.9	3.06	2.9	2.26	1.94	3.23	2.59	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/ L	0.435	0.413	0.478	0.456	0.522	0.5	0.435	0.413	0.304	0.261	0.413	0.379	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/ L	4.37	4.22	4.498	4.32	4.22	4.16	3.64	3.59	3.95	3.85	3.66	2.93	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	μmol/ L	1.37	1.16	1.26	1.05	1.37	1.26	1.26	1.05	1.37	1.16	1.05	BDL(MD L:0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/ L	8.035	7.533	8.846	8.326	7.972	7.56	7.135	6.903	6.514	6.051	7.303	5.899	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	36246	37250	36270	37310	36190	37240	35560	36770	35090	36680	35120	36550	IS 3025(Part 16):2023
15.	COD	mg/L	15.9	7.9	28.17	16.1	23.9	12	12	BDL(MD L:2.0)	16	4	20.1	8	IS 3025(Part 58):2023

RESULTS OF MARINE WATER [M3 EAST OF BOCHAISLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	2.47	2.47	2.44	2.48	2.42	2.44	2.43	2.46	2.42	2.47	2.41	2.46	APHA (24 th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	1.66	1.47	1.65	1.42	1.67	1.43	1.68	1.44	1.67	1.42	1.68	1.41	APHA (24 th Ed. 2023)10200A-G
3.	Cell Count	No. x 10 ³ /L	140	98	142	97	146	96	148	97	150	98	154	99	APHA (24 th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	<i>Pinnularia</i>	<i>Coscino discus</i>	<i>Pinnularia</i>	<i>Coscino discus</i>	<i>Pinnularia</i>	<i>Coscino discus</i>	<i>Melosira</i>	<i>Cyclotella</i>	<i>Melosira</i>	<i>Cyclotella</i>	<i>Melosira</i>	<i>Cyclotella</i>	APHA (24 th Ed. 2023)10200A-G
			<i>Biddulphia</i>	<i>Pinnularia</i>	<i>Biddulphia</i>	<i>Pinnularia</i>	<i>Biddulphia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	
			<i>Navicula</i>	<i>Rhizosolenia</i>	<i>Navicula</i>	<i>Rhizosolenia</i>	<i>Navicula</i>	<i>Rhizosolenia</i>	<i>Skeletonema</i>	<i>Skeletonema</i>	<i>Rhizosolenia</i>	<i>Skeletonema</i>	<i>Rhizosolenia</i>	<i>Skeletonema</i>	
			<i>Thalassiosira</i>	<i>Dinophysis</i>	<i>Thalassiosira</i>	<i>Dinophysis</i>	<i>Thalassiosira</i>	<i>Dinophysis</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	
			<i>Skeletonema</i>	<i>Thalassionema</i>	<i>Skeletonema</i>	<i>Thalassionema</i>	<i>Skeletonema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	

B			Zooplankton						APHA (24 th Ed. 2023)10200 G
1	Abudance (Populati on)	noX10 3/ 100 m3	40	41	40	43	45	44	
2	Name of Group Number and name of group species of each group		Copepods	Copepods	Rhizosolenia	Crustacean	Crustacean	Crustacean	
			Copepods nauplii	Copepods nauplii	Crustacean Larvae	Copepods nauplii	Copepods nauplii	Copepods nauplii	
			Egg(Fish and Shrimps)	Egg(Fish and Shrimps)	Egg(Fish and Shrimps)	Crustacean Larvae	Crustacean Larvae	Crustacean Larvae	
			Crustacean	Pinnularia	Oikoplura	Crustacean	Crustacean	Egg(Fish and Shrimps)	
			Bivalve Larvae	Bivalve Larvae	Thalassionema	Bivalve Larvae	Bivalve Larvae	Bivalve Larvae	
3	Total Biomass	ml/100 m³	14.48	15.5	15.4	15.6	15.5	15.5	

Continue...

RESULTS OF MARINE WATER [M3 EAST OF BOCHASLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO	TEST PARAMETER S	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTOM	SURFACE	BOTTO M	SURFACE	BOTTO M			
C			Microbiological												
1	Total Bacterial Count	CFU/m l	126		128		130		132		130		132		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100m l	28		27		29		30		31		30		APHA 24thEd.2023, 9222-B
3	E.coli	/100m l	24		23		22		21		22		21		IS :15185:2016
4	Enterococcus	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:200 2
5	Salmonella	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:201 6
6	Shigella	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24 th Ed.2023,9260 -E
7	Vibrio	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



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RESULTS OF SEDIMENT ANALYSIS [M3 EAST OF BOCHASLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.42	0.46	0.42	0.48	0.52	0.46	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	618.2	620.5	611.8	618.6	632.4	610.2	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	4.14	4.36	4.09	4.12	3.94	3.88	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	146.2	154.1	146.5	138.5	124.5	132.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	618.9	620.2	608.5	619.2	520.6	538.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.09	4.11	4.06	3.98	4.09	4.14	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	44.6	42.5	44.8	41.62	36.8	35.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	42.05	43.11	43.82	45.08	40.95	36.8	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	134.6	142.2	143.8	146.7	124.9	115.8	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.33	2.16	2.22	2.15	1.96	2.05	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

Continue...

RESULTS OF SEDIMENT ANALYSIS [M3 EAST OF BOCHASLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24 SEDIMENT	May-24 SEDIMENT	Jun-24 SEDIMENT	Jul-24 SEDIMENT	Aug-24 SEDIMENT	Sep-24 SEDIMENT	TEST METHOD
D			Benthic Organisms						
1	Macrobenthos	--	Polychates	Polychates	Amphipods	Gastropods	Gastropods	Decapods Larvae	APHA (24 th Ed. 2023)10500
			Gastropods	Gastropods	Gastropods	Isopods	Isopods	Isopods	
			Isopods	Isopods	Isopods	Amphipods	Amphipods	Amphipods	
			Sipunculids	Sipunculids	Sipunculids	Sipunculids	Sipunculids	Sipunculids	
			Herpectacoids	Herpectacoids	Herpectacoids	Polychates	Polychates	Foraminiferan	
2	MeioBenthos	--	Polychates	Polychates	Polychates	Herpectacoids	Herpectacoids	Herpectacoids	
3	Population	no/m ²	298	296	298	297	295	294	



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RESULTS OF MARINE WATER [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO	TEST PARAMETER S	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	
1.	pH	--	8.19	8.01	8.14	8.04	8.17	8.01	8.12	7.99	8.05	7.92	8.16	7.98	IS 3025 (Part 11):2022
2.	Temperature	°C	29.8	29.7	30.4	30.3	30.6	30.5	30.1	30	30	29.9	29.9	29.8	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	138	122	142	128	144	132	132	114	124	108	132	102	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.8	BDL(MD L:1.0)	3.1	BDL(MD L:1.0)	3.2	BDL(MD L:1.0)	2.6	BDL(MD L:1.0)	2.9	BDL(MD L:1.0)	2.5	BDL(MD L:1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	6.22	6.12	6.12	5.97	6.03	5.88	6.42	6.32	6.59	6.4	6.69	6.49	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.94	36.97	36.15	37.22	36.18	37.24	35.84	36.92	35.66	36.78	35.74	36.82	By Calculation
7.	Oil & Grease	mg/L	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	μmol/ L	3.39	3.23	3.55	3.39	3.23	2.9	3.06	2.9	2.1	1.77	2.37	2.16	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/ L	0.435	0.391	0.478	0.5	0.543	0.522	0.391	0.37	0.239	0.174	0.207	0.189	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/ L	4.27	4.16	4.22	4.16	4.32	4.27	3.53	3.48	4.01	3.9	2.75	2.62	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	μmol/ L	1.79	1.68	1.16	1.05	1.26	1.16	1.05	BDL(MD L:0.4)	1.26	1.05	1.16	BDL(MD L:0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/ L	8.095	7.781	8.248	8.05	8.093	7.692	6.981	6.75	6.349	5.844	5.327	4.969	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	36380	37320	36410	37360	36320	37180	35730	36810	35650	36780	35710	36790	IS 3025(Part 16):2023
15.	COD	mg/L	23.9	7.9	32.19	20.12	27.9	16	16.1	4	20	8	24.1	12	IS 3025(Part 58):2023

RESULTS OF MARINE WATER [M4 JUNA BANOT DETECTEDAR N 22°47'57" E 069°43'620"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A	Phytoplankton														
1.	Chlorophyll	mg/m³	2.36	3.14	2.38	3.17	2.37	3.19	2.35	3.2	2.36	3.1	2.37	3.2	APHA (24 th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.69	2	2.66	3	2.59	4	2.6	5	2.7	4	2.5	6	APHA (24 th Ed. 2023)10200A-G
3.	Cell Count	No. x 10 ³ /L	154	88	156	86	154	84	155	88	152	89	156	88	APHA (24 th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Coscino discus	Surirella	Surirella	Surirella	Coscino discus	Surirella	Thalassiosira	Coscino discus	Thalassiosira	Coscino discus	Thalassiosira	Coscino discus	APHA (24 th Ed. 2023)10200A-G
			Diploneis	Biddulphia	Diploneis	Biddulphia	Diploneis	Biddulphia	Melosira	Diploneis	Melosira	Diploneis	Melosira	Diploneis	
			Rhizosolenia	Navicula	Thalassiothrix	Coscino discus	Skeletonema	Coscino discus	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	
			Dinophysis	Thalassiosira	Navicula	Thalassiosira	Navicula	Thalassiosira	Rhizosolenia	Dinophysis	Rhizosolenia	Dinophysis	Rhizosolenia	Dinophysis	
			Thalassionema	Skeletonema	Thalassionema	Skeletonema	Thalassionema	Skeletonema	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	

B															
Zooplankton															
1	Abundance (Population)	noX10 ³ / 100 m ³	37	36	37	36	37	36	37	38					
2	Name of Group Number and name of group species of each group		<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>	<i>Copepods nauplii</i>					
			<i>Copepods nauplii</i>	<i>Rhizosolenia</i>	<i>Rhizosolenia</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>					
			<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	<i>Egg(Fish and Shrimps)</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>					
			<i>Crustacean</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>					
			<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>					
3	Total Biomass	ml/100 m ³	14.22	14.24	14.23	14.26	14.27	14.27	14.27	14.27					

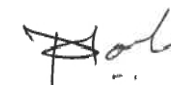
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RESULTS OF MARINE WATER [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO	TEST PARAMETER S	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	100		92		94		96		98		100		APHA 24 th Ed.2023,9215-C
2	Total Coliform	/100ml	44		42		44		43		42		44		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	12		11		10		11		10		12		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24 th Ed.2023,9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



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RESULTS OF SEDIMENT ANALYSIS [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.51	0.52	0.49	0.41	0.49	0.44	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	619.4	621.4	624.2	612.5	580	560.8	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	4.14	4.06	3.98	3.88	3.92	3.99	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	144.4	138.9	142.2	132.6	122.6	132.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	611.5	602.5	610.4	589.2	554.6	540.3	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.06	4.11	4.08	4.11	4.18	4.06	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	51.24	52.2	53.1	55.6	48.6	48.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	48.62	48.44	49.02	52.1	46.9	45.3	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	134.2	136.2	138.4	148.6	138	144.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.24	2.22	2.31	2.24	2.11	2.16	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

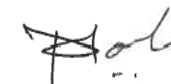
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RESULTS OF SEDIMENT ANALYSIS [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24 SEDIMENT	May-24 SEDIMENT	Jun-24 SEDIMENT	Jul-24 SEDIMENT	Aug-24 SEDIMENT	Sep-24 SEDIMENT	TEST METHOD
D	Benthic Organisms								
1	Macrobenthos	--	Foraminiferan	Amphipods	Amphipods	Sipunculids	Sipunculids	Sipunculids	APHA (24 th Ed. 2023)10500
			Gastropods	Gastropods	Gastropods	Decapods Larvae	Decapods Larvae	Decapods Larvae	
			Isopods	Isopods	Isopods	Polychates	Polychates	Polychates	
			Sipunculids	Sipunculids	Turbellarians	Isopods	Isopods	Foraminiferan	
2	MeioBenthos	--	Herpectacoids	Herpectacoids	Herpectacoids	Turbellarians	Gastropods	Gastropods	
			Polychates	Turbellarians	Decapods Larvae	Herpectacoids	Herpectacoids	Herpectacoids	
3	Population	no/m ²	322	341	288	304	308	300	



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RESULTS OF MARINE WATER [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO	TEST PARAMETERS	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	
1.	pH	--	8.16	8.06	8.18	8.11	8.21	8.09	8.14	8.04	8.07	7.88	8.18	8.02	IS 3025 (Part 11):2022
2.	Temperature	°C	29.8	29.7	30.5	30.4	30.6	30.5	30.2	30.1	30.1	30	30	29.9	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	134	114	128	112	130	108	138	114	132	108	122	104	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3.1	BDL(MD L:1.0)	3.3	BDL(MD L:1.0)	3.1	BDL(MD L:1.0)	2.7	BDL(MD L:1.0)	2.8	BDL(MD L:1.0)	2.7	BDL(MD L:1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	6.22	6.02	6.12	5.87	6.03	5.78	6.22	6.13	6.4	6.2	6.49	6.3	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.54	37.1	36.62	37.26	36.55	37.33	35.55	36.28	35.42	36.34	35.31	36.41	By Calculation
7.	Oil & Grease	mg/L	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	μmol/ L	3.87	3.55	4.03	3.87	3.71	3.39	2.9	2.74	2.1	1.94	2.8	2.37	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/ L	0.456	0.413	0.522	0.5	0.478	0.456	0.435	0.413	0.391	0.348	0.259	0.189	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/ L	3.95	3.8	4.16	4.11	4.11	4.06	3.64	3.59	3.48	3.42	4.05	3.83	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	μmol/ L	1.9	1.68	1.37	1.26	1.16	1.05	1.05	BDL(MD L:0.4)	1.16	BDL(MD L:0.4)	1.26	1.16	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/ L	8.276	7.763	8.712	8.48	8.298	7.906	6.975	6.743	5.971	5.708	7.109	6.389	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	36210	37300	36250	37340	36190	37240	35640	36930	34680	35880	34720	35910	IS 3025(Part 16):2023
15.	COD	mg/L	23.9	11.9	24.14	20.12	19.9	16	4	BDL(MD L:2.0)	8	4	12	8	IS 3025(Part 58):2023

RESULTS OF MARINE WATER [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

SR. NO.	TEST PARAMETERS	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.17	3.15	3.14	3.17	3.11	3.15	3.13	3.16	3.14	3.18	3.12	3.17	APHA (24 th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.4	1.25	2.3	1.24	2.2	1.23	2.3	1.24	2.4	1.23	2.3	1.22	APHA (24 th Ed. 2023)10200A-G
3.	Cell Count	No. x 10 ³ /L	115	105	118	107	120	106	122	108	123	109	122	110	APHA (24 th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	<i>Diploneis</i>	<i>Navicula</i>	<i>Diploneis</i>	<i>Navicula</i>	<i>Navicula</i>	<i>Navicula</i>	<i>Navicula</i>	<i>Pinnularia</i>	<i>Navicula</i>	<i>Pinnularia</i>	<i>Navicula</i>	<i>Pinnularia</i>	APHA (24 th Ed. 2023)10200A-G
			<i>Rhizosolenia</i>	<i>Skeletonema</i>	<i>Rhizosolenia</i>	<i>Skeletonema</i>	<i>Biddulphia</i>	<i>Skeletonema</i>	<i>Biddulphia</i>	<i>Biddulphia</i>	<i>Biddulphia</i>	<i>Biddulphia</i>	<i>Biddulphia</i>	<i>Rhizosolenia</i>	
			<i>Nitzschia</i>	<i>Rhizosolenia</i>	<i>Nitzschia</i>	<i>Rhizosolenia</i>	<i>Nitzschia</i>	<i>Rhizosolenia</i>	<i>Nitzschia</i>	<i>Navicula</i>	<i>Nitzschia</i>	<i>Navicula</i>	<i>Odontella</i>	<i>Dinophysis</i>	
			<i>Cyclotella</i>	<i>Dinophysis</i>	<i>Cyclotella</i>	<i>Biddulphia</i>	<i>Cyclotella</i>	<i>Biddulphia</i>	<i>Cyclotella</i>	<i>Thalassiosira</i>	<i>Cyclotella</i>	<i>Thalassiosira</i>	<i>Cyclotella</i>	<i>Coscinodiscus</i>	
			<i>Pleurosigma</i>	<i>Thalassionema</i>	<i>Pleurosigma</i>	<i>Thalassionema</i>	<i>Pleurosigma</i>	<i>Thalassionema</i>	<i>Pleurosigma</i>	<i>Skeletonema</i>	<i>Pleurosigma</i>	<i>Skeletonema</i>	<i>Pleurosigma</i>	<i>Skeletonema</i>	

B			Zooplankton						APHA (24 th Ed. 2023)10200 G
1	Abudance (Populati on)	noX10 3/ 100 m3	48	49	48	50	52	51	
2	Name of Group Number and name of group species of each group		<i>Copepods nauplii</i>	<i>Nitzschia</i>	<i>Nitzschia</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	
			<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	<i>Crustacean Larvae</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	<i>Egg(Fish and Shrimps)</i>	
			<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Copepods</i>	<i>Copepods</i>	<i>Copepods nauplii</i>	
			<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Crustacean</i>	<i>Crustacean</i>	<i>Crustacean</i>	
			<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Oikoplura</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	<i>Bivalve Larvae</i>	
3	Total Biomass	ml/100 m³	14.17	14.15	14.12	14.13	14.12	14.12	

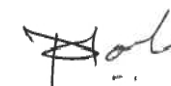
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RESULTS OF MARINE WATER [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO	TEST PARAMETER S	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	130		134		134		136		140		144		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	27		30		31		32		33		31		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	15		16		18		17		18		17		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:200 2
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:201 6
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24 th Ed.2023,9260 -E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



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Mr. Nitin Tandel
Technical Manager

RESULTS OF SEDIMENT ANALYSIS [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24 SEDIMENT	May-24 SEDIMENT	Jun-24 SEDIMENT	Jul-24 SEDIMENT	Aug-24 SEDIMENT	Sep-24 SEDIMENT	TEST METHOD
1.	Organic Matter	%	0.48	0.49	0.46	0.42	0.53	0.48	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	728.4	710.5	698.5	650.9	612.1	590.8	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	4.06	4.08	4.12	3.91	3.88	3.92	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	142.2	162.4	166.2	156.4	142.3	136.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	598.4	602.4	609.8	617.2	570.9	560.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.06	4.14	4.09	4.16	4.19	4.11	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	44.36	43.36	43.12	42.19	44.36	45.68	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	45.91	45.28	45.11	45.86	41.25	48.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	121.4	124.4	122.2	120.8	111.6	116.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.09	1.89	1.94	2.08	1.92	2.11	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

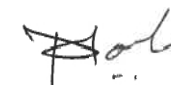
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RESULTS OF SEDIMENT ANALYSIS [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24 SEDIMENT	May-24 SEDIMENT	Jun-24 SEDIMENT	Jul-24 SEDIMENT	Aug-24 SEDIMENT	Sep-24 SEDIMENT	TEST METHOD
D			Benthic Organisms						
1	Macrobenthos	--	Amphipods	Amphipods	Amphipods	Isopods	Isopods	Isopods	APHA (24 th Ed. 2023)10500
			Polychates	Sipunculids	Polychates	Polychates	Polychates	Gastropods	
			Isopods	Isopods	Isopods	Sipunculids	Sipunculids	Sipunculids	
			Gastropods	Gastropods	Gastropods	Amphipods	Amphipods	Amphipods	
2	MeioBenthos	--	Decapods Larvae	Decapods Larvae	Foraminiferan	Polychates	Herpectacoids	Herpectacoids	
			Herpectacoids	Gastropods	Herpectacoids	Foraminiferan	Foraminiferan	Polychates	
3	Population	no/m ²	306	305	304	305	307	302	



Mr. Nilesh Patel
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Mr. Nitin Tandel
Technical Manager

RESULTS OF MARINE WATER [M7 EAST PORT N 22°47'120" E 069°47'110"]

SR. NO	TEST PARAMETERS	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	
1.	pH	--	8.18	7.98	8.15	8.04	8.19	8.06	8.04	7.88	8.15	7.98	8.16	8.04	IS 3025 (Part 11):2022
2.	Temperature	°C	29.9	29.8	30.5	30.4	30.7	30.6	30.2	30.1	30.1	30	29.8	29.7	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	118	96	124	106	120	108	134	116	122	106	104	78	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3.1	BDL(MD L:1.0)	3.4	BDL(MD L:1.0)	2.8	BDL(MD L:1.0)	2.5	BDL(MD L:1.0)	3.1	BDL(MD L:1.0)	2.5	BDL(MD L:1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	6.02	5.92	5.92	5.77	5.83	5.68	6.42	6.22	6.59	6.3	6.69	6.4	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.52	37.35	36.58	37.48	36.42	37.21	36.14	36.97	35.97	36.77	35.81	36.58	By Calculation
7.	Oil & Grease	mg/L	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	μmol/ L	3.39	3.23	4.19	4.03	4.03	3.71	3.39	3.23	2.42	2.1	3.66	3.44	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/ L	0.5	0.456	0.565	0.522	0.564	0.543	0.37	0.348	0.196	0.13	0.413	0.379	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/ L	4.06	3.9	4.16	4.11	4.27	4.22	3.69	3.59	4.22	4.06	3.96	3.62	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	μmol/ L	2.21	2	2.11	1.9	1.9	1.68	1.37	1.26	1.47	1.37	1.58	1.47	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/ L	7.95	7.586	8.915	8.662	8.864	8.473	7.45	7.168	6.836	6.29	8.033	7.439	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	36290	37340	36320	37110	36260	37180	35860	36720	35780	36690	35690	36480	IS 3025(Part 16):2023
15.	COD	mg/L	19.9	7.9	36.22	24.14	31.9	19.9	8	4	12	8	16.1	12	IS 3025(Part 58):2023

RESULTS OF MARINE WATER [M7 EAST PORT N 22°47'120" E 069°47'110"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.04	2.3	3.06	2.6	3.08	2.5	3.07	2.4	3.08	2.6	3.07	2.6	APHA (24 th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.6	1.77	2.7	1.78	2.5	1.77	2.6	1.78	2.7	1.77	2.6	1.78	APHA (24 th Ed. 2023)10200A-G
3.	Cell Count	No. x 10 ³ /L	88	122	89	124	87	123	89	122	91	123	92	122	APHA (24 th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Nitzschia	Thalassiothrix	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	Diploneis	Coscino discus	Diploneis	Coscino discus	Diploneis	Coscino discus	APHA (24 th Ed. 2023)10200A-G
			Pinnularia	Surirella	Pinnularia	Surirella	Odontella	Surirella	Rhizosolenia	Diploneis	Rhizosolenia	Diploneis	Rhizosolenia	Diploneis	
			Odontella	Navicula	Dinophysis	Navicula	Dinophysis	Navicula	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	
			Dinophysis	Thalassiosira	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Thalassiothrix	Dinophysis	Thalassiothrix	Dinophysis	Thalassiothrix	Dinophysis	
			Surirella	Skeletonema	Surirella	Skeletonema	Cyclotella	Skeletonema	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Cyclotella	Thalassionema	

B										Zooplankton									
1	Abudance (Populati on)	noX10 3/ 100 m3	41	42	42	43	42	43	APHA (24 th Ed. 2023)10200 G										
2	Name of Group Number and name of group species of each group		Nitzschia	Nitzschia	Egg(Fish and Shrimps)	Egg(Fish and Shrimps)	Egg(Fish and Shrimps)	Egg(Fish and Shrimps)											
			Pinnularia	Pinnularia	Coscinodiscus	Oikoplura	Oikoplura	Oikoplura											
			Odontella	Odontella	Odontella	Copepods nauplii	Copepods nauplii	Copepods nauplii											
			Dinophysis	Dinophysis	Dinophysis	Crustacean	Crustacean	Crustacean											
			Surirella	Surirella	Bivalve Larvae	Bivalve Larvae	Bivalve Larvae	Bivalve Larvae											
3	Total Biomass	ml/100 m³	16.54	16.55	16.57	16.58	16.59	16.59											

Continue...

RESULTS OF MARINE WATER [M7 EAST PORT N 22°47'120" E 069°47'110"]

SR. NO	TEST PARAMETER S	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	90		94		94		92		94		92		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	29		27		25		26		27		26		APHA 24 th Ed.2023, 9222-B
3	E.coli	/100ml	11		13		12		13		14		12		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24 th Ed.2023,9260 -E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

RESULTS OF MARINE WATER [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST PARAMETER S	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	
1.	pH	--	8.14	7.94	8.24	8.11	8.18	8.02	8.1	7.94	8.21	8.06	8.15	8.01	IS 3025 (Part 11):2022
2.	Temperature	°C	29.9	29.8	30.5	30.4	30.7	30.6	30.2	30.1	30.1	30	29.9	29.8	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	114	92	118	104	122	110	108	88	124	98	122	94	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.9	BDL(MD L:1.0)	2.8	BDL(MD L:1.0)	2.9	BDL(MD L:1.0)	2.4	BDL(MD L:1.0)	2.8	BDL(MD L:1.0)	3.2	BDL(MD L:1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	6.02	5.82	5.92	5.67	5.83	5.58	6.42	6.32	6.59	6.4	6.69	6.49	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.42	37.24	35.44	37.37	35.39	37.28	35.44	37.05	35.48	36.82	35.64	36.71	By Calculation
7.	Oil & Grease	mg/L	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	μmol/L	3.71	3.23	4.03	3.71	4.19	3.87	3.55	3.23	2.74	2.42	3.45	3.02	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/L	0.522	0.478	0.565	0.522	0.609	0.543	0.478	0.456	0.239	0.174	0.379	0.328	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/L	4.16	4.11	4.11	4.06	4.32	4.27	3.59	3.48	4.37	4.22	3.84	3.62	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	μmol/L	2.21	2	1.9	1.79	1.68	1.58	1.26	1.05	1.26	BDL(MD L:0.4)	BDL(MD L:0.4)	BDL(MD L:0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	8.392	7.818	8.705	8.292	9.119	8.683	7.618	7.166	7.349	6.814	7.669	6.968	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	36540	37610	36410	37480	36220	37340	35760	36520	35110	36460	35260	36180	IS 3025(Part 16):2023
15.	COD	mg/L	23.9	15.9	32.19	28.17	23.9	19.9	8	BDL(MD L:2.0)	12	4	16.1	8	IS 3025(Part 58):2023

RESULTS OF MARINE WATER [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.1	3.17	3.2	3.14	3.1	3.12	3.2	3.11	3.3	3.12	3.2	3.11	APHA (24 th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	1.8	1.34	1.4	1.38	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.7	APHA (24 th Ed. 2023)10200A-G
3.	Cell Count	No. x 10 ³ /L	109	107	112	109	114	107	116	108	117	109	116	108	APHA (24 th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Odontella	Cyclotella	Odontella	Cyclotella	Odontella	Cyclotella	Nitzschia	Diploneis	Nitzschia	Diploneis	Nitzschia	Diploneis	APHA (24 th Ed. 2023)10200A-G
			Rhizosolenia	Pinnularia	Rhizosolenia	Pinnularia	Rhizosolenia	Pinnularia	Grammatophora	Rhizosolenia	Grammatophora	Rhizosolenia	Grammatophora	Rhizosolenia	
			Coscinodiscus	Skeletonema	Coscinodiscus	Skeletonema	Coscinodiscus	Skeletonema	Diploneis	Nitzschia	Diploneis	Nitzschia	Diploneis	Nitzschia	
			Grammatophora	Thalassiosira	Grammatophora	Thalassiosira	Grammatophora	Thalassiosira	Thalassiothrix	Cyclotella	Thalassiothrix	Cyclotella	Thalassiothrix	Grammatophora	
			Thalassiosira	Thalassionema	Thalassiosira	Thalassionema	Thalassiosira	Thalassionema	Pleurosigma	Pleurosigma	Pleurosigma	Pleurosigma	Pleurosigma	Pleurosigma	
B			Zooplankton												
1	Abundance (Population)	noX10 ³ / 100 m ³	34		33		31		32		33		31		APHA (24 th Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Coscinodiscus		Coscinodiscus		Odontella		Oikoplura		Oikoplura		Oikoplura		
			Diploneis		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		Copepods nauplii		Copepods nauplii		Egg(Fish and Shrimps)		
			Rhizosolenia		Rhizosolenia		Rhizosolenia		Crustacean Larvae		Crustacean Larvae		Crustacean Larvae		
			Dinophysis		Bivalve Larvae		Bivalve Larvae		Crustacean		Crustacean		Crustacean		
			Thalassionema		Thalassionema		Thalassionema		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		
3	Total Biomass	ml/100 m ³	14.78		14.77		14.78		14.77		14.78		14.78		

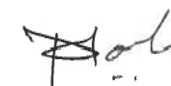
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RESULTS OF MARINE WATER [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO	TEST PARAMETER S	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	96	98	96	94	98	90	APHA 24 th Ed.2023,9215 -C						
2	Total Coliform	/100ml	14	16	15	14	12	11	APHA 24thEd.2023, 9222-B						
3	E.coli	/100ml	13	14	11	10	11	13	IS :15185:2016						
4	Enterococcus	/100ml	8	7	9	8	6	7	IS:15186:200 2						
5	Salmonella	/100ml	Absent	Absent	Absent	Absent	Absent	Absent	IS:15187:201 6						
6	Shigella	/100ml	Absent	Absent	Absent	Absent	Absent	Absent	APHA 24 th Ed.2023,9260 -E						
7	Vibrio	/100ml	Absent	Absent	Absent	Absent	Absent	Absent	IS: 5887 (Part V):1976						



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RESULTS OF SEDIMENT ANALYSIS [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.49	0.42	0.41	0.49	0.53	0.45	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	602	596	602.4	610.5	564.8	574.2	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	3.98	3.94	3.98	4.05	4.19	4.06	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	122.4	128.6	132.2	134.4	142.3	134.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	618.3	606	608.4	612.6	580.5	590.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.11	4.02	4.06	4.11	4.09	4.12	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	42.31	43.22	43.84	44.69	39.55	40.85	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	44.86	44.685	44.23	42.36	51.31	52.31	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	121.2	120.4	122.5	114.6	128.4	122	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.44	2.52	2.43	2.31	2.06	1.92	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

RESULTS OF SEDIMENT ANALYSIS [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24 SEDIMENT	May-24 SEDIMENT	Jun-24 SEDIMENT	Jul-24 SEDIMENT	Aug-24 SEDIMENT	Sep-24 SEDIMENT	TEST METHOD
D			Benthic Organisms						
1	Macrobenthos	--	<i>Polychates</i>	<i>Gastropods</i>	<i>Gastropods</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	APHA (24 th Ed. 2023)10500
			<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Amphipods</i>	<i>Amphipods</i>	<i>Amphipods</i>	
			<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Sipunculids</i>	
			<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	
2	MeioBenthos	--	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	
			<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	
3	Population	no/m ²	368	367	365	366	367	368	



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RESULTS OF MARINE WATER [M11 MPT T1 JETTY N 22°42'278" E 069°43'450"]

SR. NO	TEST PARAMETER S	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	
1.	pH	--	8.21	8.06	8.24	8.16	8.17	8	8.09	7.89	8.02	7.84	8.11	7.91	IS 3025 (Part 11):2022
2.	Temperature	°C	29.8	29.7	30.5	30.4	30.7	30.6	30.2	30.1	30.1	30	29.8	29.7	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	132	108	124	112	130	118	122	104	138	116	142	128	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.9	BDL(MD L:1.0)	3.4	BDL(MD L:1.0)	3.1	BDL(MD L:1.0)	2.8	BDL(MD L:1.0)	2.2	BDL(MD L:1.0)	3.4	BDL(MD L:1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	6.02	5.92	5.92	5.77	5.83	5.68	6.32	6.22	6.49	6.3	6.59	6.4	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.34	37.33	36.42	37.51	36.34	37.39	35.82	37.08	35.73	37.12	35.84	36.98	By Calculation
7.	Oil & Grease	mg/L	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	BDL(MD L:2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	μmol/ L	3.06	2.74	3.39	3.23	3.55	3.39	3.06	2.74	2.42	2.26	3.02	2.59	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/ L	0.565	0.543	0.652	0.609	0.543	0.522	0.5	0.456	0.413	0.37	0.276	0.215	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/ L	4.22	4.06	4.32	4.22	4.37	4.27	3.48	3.42	4.43	4.27	3.79	3.36	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	μmol/ L	1.9	1.68	1.79	1.68	1.47	1.37	1.16	1.05	1.16	1.05	BDL(MD L:0.4)	BDL(MD L:0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/ L	7.845	7.343	8.362	8.059	8.463	8.182	7.04	6.616	7.263	6.9	7.086	6.165	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	36280	37190	36240	37230	36230	37140	36110	36940	35280	36860	35310	36520	IS 3025(Part 16):2023
15.	COD	mg/L	19.9	11.9	28.17	24.14	19.9	16	8	4	12	8	16.1	12	IS 3025(Part 58):2023

RESULTS OF MARINE WATER [M11 MPT T1 JETTY N 22°42'278" E 069°43'450"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	2.9	2.8	2.7	2.6	2.6	2.7	2.7	2.8	2.6	2.9	2.9	2.8	APHA (24 th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.7	1.6	2.6	1.7	2.7	1.5	2.9	1.6	2.8	1.5	2.7	1.6	
3.	Cell Count	No. x 10³/L	132	117	129	115	128	116	130	117	133	118	132	117	
4	Name of Group Number and name of group species of each group	--	Dinophysis	Navicula	Odontella	Cyclotella	Cyclotella	Surirella	Odontella	Nitzschia	Odontella	Nitzschia	Odontella	Nitzschia	APHA (24 th Ed. 2023)10200A-G
			Pinnularia	Skeletonema	Rhizosolenia	Pinnularia	Pinnularia	Skeletonema	Rhizosolenia	Pinnularia	Rhizosolenia	Pinnularia	Rhizosolenia	Pinnularia	
			Thalassiothrix	Rhizosolenia	Coscinodiscus	Skeletonema	Thalassiothrix	Rhizosolenia	Coscinodiscus	Odontella	Coscinodiscus	Odontella	Coscinodiscus	Odontella	
			Grammatophora	Dinophysis	Grammatophora	Thalassiosira	Rhizosolenia	Cyclotella	Grammatophora	Dinophysis	Grammatophora	Dinophysis	Pleurosigma	Dinophysis	
			Ceratium	Thalassionema	Thalassiosira	Thalassionema	Ceratium	Thalassionema	Thalassiosira	Surirella	Thalassiosira	Surirella	Thalassiosira	Surirella	
Zooplankton															
1	Abundance (Population)	noX10³/ 100 m³	31		36		35		34		35		36		APHA (24 th Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Diploneis		Diploneis		Diploneis		Decapoda		Decapoda		Decapoda		
			Rhizosolenia		Rhizosolenia		Rhizosolenia		Copepods		Copepods		Oikoplura		
			Nitzschia		Nitzschia		Nitzschia		Crustacean Larvae		Crustacean Larvae		Crustacean Larvae		
			Thalassiothrix		Coscinodiscus		Coscinodiscus		Crustacean		Crustacean		Bivalve Larvae		
	Pleurosigma		Pleurosigma		Pleurosigma		Oikoplura		Oikoplura		Oikoplura				
3	Total Biomass	ml/100 m³	15.23		15.22		15.23		15.23		15.23		15.25		

Continue...

RESULTS OF MARINE WATER [M11 MPT T1 JETTY N 22°42'278" E 069°43'450"]

SR. NO	TEST PARAMETER S	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
C			Microbiological												
1	Total Bacterial Count	CFU/ml	224		230		230		234		230		232		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	42		40		40		43		44		43		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	32		33		33		33		32		31		IS :15185:2016
4	Enterococcus	/100ml	18		15		15		12		14		13		IS:15186:200 2
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:201 6
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24 th Ed.2023,9260 -E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



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RESULTS OF MARINE WATER [M12 SPM N 22°40'938" E 069°39'191"]

SR. NO	TEST PARAMETER S	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	
1.	pH	--	8.18	8.03	8.12	7.94	8.15	8.04	8.07	7.94	8.12	7.88	8.16	7.96	IS 3025 (Part 11):2022
2.	Temperature	°C	29.8	29.7	30.4	30.3	30.6	30.5	30.3	30.2	30.2	30.1	29.9	29.8	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	142	122	130	104	132	112	120	102	110	92	124	88	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3.1	BDL(M DL:1.0)	3.3	BDL(M DL:1.0)	3.1	BDL(M DL:1.0)	2.2	BDL(M DL:1.0)	2.8	BDL(M DL:1.0)	3.4	BDL(M DL:1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	5.92	5.82	5.82	5.67	5.73	5.58	6.42	6.32	6.59	6.4	6.69	6.49	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.39	37.44	36.42	37.54	36.12	37.28	35.74	36.91	35.81	36.87	35.67	26.76	By Calculation
7.	Oil & Grease	mg/L	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	BDL(M DL:2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	μmol/ L	3.06	2.74	3.23	3.06	3.39	3.23	3.23	2.9	2.1	1.77	2.67	2.54	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/ L	0.543	0.5	0.652	0.565	0.609	0.565	0.522	0.478	0.435	0.371	0.414	0.362	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/ L	4.43	4.22	4.37	4.27	4.43	4.32	3.74	3.64	4.16	3.95	3.4	3.32	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	μmol/ L	2	1.79	2.11	1.9	1.9	1.68	1.37	1.26	1.26	1.16	1.16	1.05	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/ L	8.033	7.46	8.252	7.895	8.429	8.115	7.492	7.018	6.695	6.091	6.484	6.222	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	36370	37410	36230	37140	36190	37110	35720	36410	34680	35370	34410	35420	IS 3025(Part 16):2023
15.	COD	mg/L	11.9	7.9	24.14	20.123	16	12	12	8	16	12	20.1	16.1	IS 3025(Part 58):2023

RESULTS OF MARINE WATER [M12 SPM N 22°40'938" E 069°39'191"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTO M			
A			Phytoplankton												
1.	Chloroph yll	mg/m³	2.7	2.8	2.6	2.7	2.5	2.5	2.3	2.6	2.2	2.5	2.1	2.4	APHA (24 th Ed. 2023)10200A-G
2.	Phaeophy tin	mg/m³	1.16	1.45	1.17	1.47	1.18	1.48	1.17	1.46	1.18	1.47	1.17	1.46	
3.	Cell Count	No. x 10³/L	75	122	77	126	75	127	77	130	78	133	77	132	
4	Name of Group Number and name of group species of each group	--	Ceratiu m	Melosir a	Ceratiu m	Rhizosol enia	Surirell a	Rhizosol enia	Skeleto nema	Odentel la	Skeleto nema	Odentel la	Skeleto nema	Odentel la	
			Pinnula ria	Dinoph ysis	Pinnula ria	Dinoph ysis	Pinnula ria	Dinoph ysis	Gramm atophor a	Rhizosol enia	Gramm atophor a	Rhizosol enia	Gramm atophor a	Rhizosol enia	
			Odontel la	Skeleto nema	Odontel la	Skeleto nema	Gramm atophor a	Skeleto nema	Nitzschi a	Coscino discus	Nitzschi a	Coscino discus	Nitzschi a	Coscino discus	
			Thalassi othrix	Thallass iosira	Thalassi othrix	Thallass iosira	Thalassi othrix	Thallass iosira	Thalassi othrix	Gramm atophor a	Thalassi othrix	Gramm atophor a	Coscino discus	Pinnula ria	
			Thallass iosira	Thalassi onema	Thallass iosira	Melosir a	Rhizosol enia	Melosir a	Pleurosi gma	Thallass iosira	Pleurosi gma	Thallass iosira	Pleurosi gma	Thallass iosira	
B Zooplankton															
1	Abudance (Populati on)	noX10 3/ 100 m3	66		37		68		67		67		70		APHA (24 th Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Nitzschia		Nitzschia		Nitzschia		Copepods		Copepods		Copepods		
			Grammatophora		Grammatophora		Grammatophora		Oikoplura		Oikoplura		Oikoplura		
			Diploneis		Diploneis		Egg(Fish and Shrimps)		Crustacean Larvae		Crustacean Larvae		Crustacean Larvae		
			Thalassiothrix		Thalassiothrix		Thalassiothrix		Crustacean		Crustacean		Crustacean		
		Pleurosigma		Pleurosigma		Pleurosigma		Bivalve Larvae		Bivalve Larvae		Egg(Fish and Shrimps)			
3	Total Biomass	ml/10 0 m³	14.56		14.55		14.54		14.57		14.54		14.57		

RESULTS OF MARINE WATER [M12 SPM N 22°40'938" E 069°39'191"]

SR. NO	TEST PARAMETER S	UNIT	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	248		250		254		256		250		254		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	50		52		50		52		51		50		APHA 24 th Ed.2023, 9222-B
3	E.coli	/100ml	40		41		44		43		45		44		IS :15185:2016
4	Enterococcus	/100ml	31		30		32		31		32		30		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24 th Ed.2023,9260 -E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

Results of Ambient Air Quality Monitoring

Name of Location		West Port – West Basin Main Gate						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	01-04-2024	80.51	35.37	32.63	36.48	1.16	--	NOT DETECTED
2.	04-04-2024	84.28	38.12	35.84	38.91	1.19	4.83	NOT DETECTED
3.	08-04-2024	82.47	34.93	32.68	36.35	1.15	4.65	NOT DETECTED
4.	11-04-2024	84.83	37.96	34.54	38.68	1.23	4.87	NOT DETECTED
5.	15-04-2024	78.68	32.38	31.27	35.24	1.17	4.57	NOT DETECTED
6.	18-04-2024	80.26	35.82	33.47	36.73	1.14	4.62	NOT DETECTED
7.	22-04-2024	75.42	32.84	30.97	35.02	1.15	4.5	NOT DETECTED
8.	25-04-2024	78.52	33.5	32.25	35.37	1.18	4.64	NOT DETECTED
9.	29-04-2024	81.27	36.59	35.43	37.81	1.21	4.73	NOT DETECTED
10.	02-05-2024	77.82	33.76	30.95	34.81	1.13	4.54	NOT DETECTED
11.	06-05-2024	80.42	36.91	33.54	36.72	1.15	4.78	NOT DETECTED
12.	09-05-2024	76.48	34.57	31.13	34.59	1.14	4.48	NOT DETECTED
13.	13-05-2024	74.38	31.85	29.97	32.25	1.12	4.41	NOT DETECTED
14.	16-05-2024	78.14	33.57	31.38	34.63	1.15	4.56	NOT DETECTED
15.	20-05-2024	80.42	37.12	33.46	36.22	1.17	4.65	NOT DETECTED

Continue...

Name of Location		West Port – West Basin Main Gate						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	23-05-2024	77.46	34.52	30.83	33.94	1.14	4.43	NOT DETECTED
17.	27-05-2024	79.53	35.24	32.56	36.25	1.2	4.36	NOT DETECTED
18.	30-05-2024	81.26	37.12	30.36	33.65	1.16	4.53	NOT DETECTED
19.	03-06-2024	78.62	35.12	31.63	35.2	1.15	4.46	NOT DETECTED
20.	06-06-2024	80.13	36.32	32.84	35.96	1.16	4.61	NOT DETECTED
21.	10-06-2024	76.49	33.49	28.73	31.35	1.14	4.53	NOT DETECTED
22.	13-06-2024	79.64	35.18	29.42	32.49	1.15	4.45	NOT DETECTED
23.	17-06-2024	74.16	32.39	28.42	31.81	1.13	4.26	NOT DETECTED
24.	20-06-2024	72.19	30.75	29.21	33.56	1.1	4.17	NOT DETECTED
25.	24-06-2024	43.29	25.74	24.48	28.11	0.82	3.48	NOT DETECTED
26.	27-06-2024	39.65	22.51	21.64	24.78	0.64	3.12	NOT DETECTED
27.	01-07-2024	46.58	21.39	20.76	23.32	0.57	--	NOT DETECTED
28.	04-07-2024	52.39	24.74	23.46	26.13	0.64	3.47	NOT DETECTED
29.	08-07-2024	59.64	27.25	25.47	29.53	0.61	3.65	NOT DETECTED
30.	11-07-2024	55.37	25.48	22.31	25.83	0.64	3.51	NOT DETECTED
31.	15-07-2024	57.13	26.91	24.39	27.36	0.67	3.58	NOT DETECTED

Continue...

Name of Location		West Port – West Basin Main Gate						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
32.	18-07-2024	62.49	29.64	26.95	30.11	0.68	3.79	NOT DETECTED
33.	22-07-2024	59.35	27.42	25.13	29.47	0.61	3.68	NOT DETECTED
34.	25-07-2024	53.61	24.87	23.5	26.24	0.59	3.57	NOT DETECTED
35.	29-07-2024	49.42	22.46	21.17	24.8	0.56	3.52	NOT DETECTED
36.	01-08-2024	53.53	22.85	21.97	24.65	0.51	3.45	NOT DETECTED
37.	05-08-2024	57.71	25.46	24.28	27.91	0.57	3.53	NOT DETECTED
38.	08-08-2024	55.42	23.19	22.64	25.38	0.53	3.55	NOT DETECTED
39.	12-08-2024	58.51	25.68	23.89	26.17	0.59	3.5	NOT DETECTED
40.	15-08-2024	63.29	27.35	26.06	29.41	0.61	3.63	NOT DETECTED
41.	19-08-2024	61.29	26.34	25.13	29.11	0.56	3.56	NOT DETECTED
42.	22-08-2024	56.46	24.18	22.79	25.47	0.53	3.47	NOT DETECTED
43.	26-08-2024	58.13	23.52	23.24	26.51	0.56	3.52	NOT DETECTED
44.	29-08-2024	60.41	25.22	25.31	29.15	0.58	3.58	NOT DETECTED
45.	02-09-2024	56.48	23.35	24.1	27.32	0.61	3.59	NOT DETECTED
46.	05-09-2024	54.39	22.72	23.37	26.54	0.55	3.57	NOT DETECTED
47.	09-09-2024	56.35	23.49	24.58	27.81	0.58	3.64	NOT DETECTED

Continue...

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ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Name of Location		West Port – West Basin Main Gate						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
48.	12-09-2024	58.42	25.61	25.05	28.73	0.62	3.66	NOT DETECTED
49.	16-09-2024	61.29	27.02	25.85	29.11	0.63	3.81	NOT DETECTED
50.	19-09-2024	64.11	27.25	26.00	29.73	0.64	3.88	NOT DETECTED
51.	23-09-2024	62.39	25.83	25.23	28.56	0.60	3.72	NOT DETECTED
52.	26-09-2024	58.37	23.19	22.68	25.35	0.56	3.64	NOT DETECTED
53.	30-09-2024	60.25	24.74	23.91	26.18	0.61	3.72	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS – 5182, Part – 11



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		West Port – Horti Culture						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	01-04-2024	85.61	42.33	33.74	37.12	1.18	--	NOT DETECTED
2.	04-04-2024	82.49	40.85	31.37	35.63	1.22	3.51	NOT DETECTED
3.	08-04-2024	80.75	38.26	30.86	34.1	1.15	3.36	NOT DETECTED
4.	11-04-2024	83.38	40.45	33.31	37.56	1.27	3.59	NOT DETECTED
5.	15-04-2024	85.19	44.72	35.18	40.03	1.21	3.85	NOT DETECTED
6.	18-04-2024	81.36	42.88	34.52	38.26	1.17	3.72	NOT DETECTED
7.	22-04-2024	76.38	38.63	31.31	34.48	1.14	3.46	NOT DETECTED
8.	25-04-2024	79.02	40.25	33.57	37.24	1.11	3.53	NOT DETECTED
9.	29-04-2024	82.16	43.46	35.37	40.15	1.18	3.67	NOT DETECTED
10.	02-05-2024	83.81	39.62	32.96	35.86	1.16	3.67	NOT DETECTED
11.	06-05-2024	78.93	37.89	30.68	35.12	1.1	3.46	NOT DETECTED
12.	09-05-2024	80.15	40.42	31.86	34.63	1.16	3.55	NOT DETECTED
13.	13-05-2024	82.48	42.1	35.24	38.76	1.2	3.71	NOT DETECTED
14.	16-05-2024	79.27	38.51	32.35	37.41	1.15	3.62	NOT DETECTED
15.	20-05-2024	75.39	35.93	29.87	33.26	1.13	3.37	NOT DETECTED

Continue...

Name of Location		West Port – Horti Culture						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	23-05-2024	78.73	37.64	31.2	34.76	1.16	3.43	NOT DETECTED
17.	27-05-2024	80.42	40.51	33.45	37.21	1.18	3.57	NOT DETECTED
18.	30-05-2024	81.3	38.63	35.72	39.42	1.17	3.46	NOT DETECTED
19.	03-06-2024	81.53	38.28	30.56	34.13	1.17	3.53	NOT DETECTED
20.	06-06-2024	83.26	41.1	32.71	36.42	1.19	3.65	NOT DETECTED
21.	10-06-2024	78.87	37.11	29.85	33.67	1.15	3.55	NOT DETECTED
22.	13-06-2024	80.14	39.75	30.14	34.13	1.17	3.67	NOT DETECTED
23.	17-06-2024	74.38	36.73	28.61	31.89	1.14	3.39	NOT DETECTED
24.	20-06-2024	71.95	34.89	27.73	31.12	1.11	3.25	NOT DETECTED
25.	24-06-2024	61.12	30.74	24.61	28.47	0.74	2.27	NOT DETECTED
26.	27-06-2024	55.28	27.53	22.76	25.91	0.53	2.14	NOT DETECTED
27.	01-07-2024	60.14	30.63	23.75	26.36	0.61	--	NOT DETECTED
28.	04-07-2024	53.21	28.74	22.24	24.98	0.55	2.38	NOT DETECTED
29.	08-07-2024	59.74	30.42	24.57	28.13	0.64	2.56	NOT DETECTED
30.	11-07-2024	65.14	32.47	26.83	29.42	0.58	2.62	NOT DETECTED
31.	15-07-2024	60.48	29.95	25.46	29.14	0.65	2.58	NOT DETECTED

Continue...

Name of Location		West Port – Horti Culture						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
32.	18-07-2024	64.37	33.29	28.12	31.74	0.62	2.71	NOT DETECTED
33.	22-07-2024	58.36	29.54	24.57	27.32	0.57	2.63	NOT DETECTED
34.	25-07-2024	61.35	32.42	26.35	29.16	0.62	2.67	NOT DETECTED
35.	29-07-2024	54.91	27.76	24.19	26.88	0.58	2.57	NOT DETECTED
36.	01-08-2024	56.92	27.81	22.58	25.17	0.56	2.34	NOT DETECTED
37.	05-08-2024	58.53	28.58	23.45	26.83	0.59	2.45	NOT DETECTED
38.	08-08-2024	62.38	29.42	22.49	26.31	0.61	2.59	NOT DETECTED
39.	12-08-2024	64.37	32.53	25.41	29.38	0.66	2.48	NOT DETECTED
40.	15-08-2024	60.37	30.48	23.63	26.58	0.59	2.65	NOT DETECTED
41.	19-08-2024	63.21	31.55	24.37	27.15	0.62	2.68	NOT DETECTED
42.	22-08-2024	66.49	33.18	26.62	29.37	0.65	2.73	NOT DETECTED
43.	26-08-2024	59.74	29.53	24.96	27.38	0.58	2.62	NOT DETECTED
44.	29-08-2024	63.27	31.18	25.41	28.36	0.6	2.65	NOT DETECTED
45.	02-09-2024	58.17	29.31	21.93	24.58	0.62	2.41	NOT DETECTED
46.	05-09-2024	59.78	30.52	22.53	25.38	0.57	2.32	NOT DETECTED
47.	09-09-2024	61.38	31.45	24.59	27.15	0.6	2.58	NOT DETECTED

Continue...

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ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Name of Location		West Port – Horti Culture						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
48.	12-09-2024	62.81	33.27	25.13	27.83	0.62	2.61	NOT DETECTED
49.	16-09-2024	65.38	34.18	25.73	28.12	0.65	2.66	NOT DETECTED
50.	19-09-2024	68.15	35.03	25.97	29.41	0.68	2.75	NOT DETECTED
51.	23-09-2024	66.1	33.59	24.31	27.54	0.63	2.62	NOT DETECTED
52.	26-09-2024	61.38	30.19	22.36	25.62	0.6	2.46	NOT DETECTED
53.	30-09-2024	64.26	32.45	23.61	27.15	0.64	2.53	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS – 5182, Part – 11



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		WEST PORT - PMC OFFICE						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	01-04-2024	84.24	39.46	37.13	41.64	1.18	--	NOT DETECTED
2.	04-04-2024	87.52	41.38	40.42	44.27	1.23	4.87	NOT DETECTED
3.	08-04-2024	85.17	40.32	38.4	41.32	1.16	4.67	NOT DETECTED
4.	11-04-2024	82.63	37.82	35.75	39.48	1.15	4.5	NOT DETECTED
5.	15-04-2024	80.89	34.47	33.81	38.72	1.12	4.36	NOT DETECTED
6.	18-04-2024	83.41	35.93	37.54	41.36	1.18	4.47	NOT DETECTED
7.	22-04-2024	81.36	34.73	35.1	39.78	1.14	4.26	NOT DETECTED
8.	25-04-2024	85.12	39.57	38.43	41.27	1.21	4.58	NOT DETECTED
9.	29-04-2024	83.37	36.79	35.66	38.34	1.17	4.42	NOT DETECTED
10.	02-05-2024	82.37	37.82	35.12	39.43	1.16	4.58	NOT DETECTED
11.	06-05-2024	80.19	34.98	32.95	36.47	1.14	4.41	NOT DETECTED
12.	09-05-2024	83.48	36.57	37.42	41.94	1.18	4.65	NOT DETECTED
13.	13-05-2024	85.16	39.62	38.98	43.17	1.20	4.81	NOT DETECTED
14.	16-05-2024	81.29	36.51	36.14	40.37	1.15	4.62	NOT DETECTED
15.	20-05-2024	78.64	34.49	34.18	38.32	1.13	4.39	NOT DETECTED

Continue...

Name of Location		WEST PORT - PMC OFFICE						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	23-05-2024	80.41	36.29	37.83	41.45	1.17	4.48	NOT DETECTED
17.	27-05-2024	82.39	38.41	35.26	39.31	1.14	4.7	NOT DETECTED
18.	30-05-2024	79.93	35.17	34.03	38.47	1.16	4.51	NOT DETECTED
19.	03-06-2024	83.15	38.28	36.61	40.05	1.17	4.89	NOT DETECTED
20.	06-06-2024	79.94	36.72	34.87	38.73	1.15	4.58	NOT DETECTED
21.	10-06-2024	78.58	33.97	32.46	37.45	1.16	4.49	NOT DETECTED
22.	13-06-2024	81.64	36.25	35.46	39.13	1.19	4.75	NOT DETECTED
23.	17-06-2024	76.19	33.81	33.19	37.82	1.16	4.43	NOT DETECTED
24.	20-06-2024	75.42	32.35	31.89	35.44	1.13	4.27	NOT DETECTED
25.	24-06-2024	57.42	29.31	28.19	31.75	1.03	3.75	NOT DETECTED
26.	27-06-2024	51.48	27.63	25.86	29.53	0.84	3.24	NOT DETECTED
27.	01-07-2024	56.63	26.95	20.48	23.74	0.37	--	NOT DETECTED
28.	04-07-2024	61.37	28.22	22.34	26.41	0.49	3.31	NOT DETECTED
29.	08-07-2024	64.38	30.74	25.28	28.75	0.61	3.57	NOT DETECTED
30.	11-07-2024	62.48	28.65	22.79	25.67	0.66	3.46	NOT DETECTED
31.	15-07-2024	67.48	30.25	25.97	29.26	0.75	3.62	NOT DETECTED

Continue...

Name of Location		WEST PORT - PMC OFFICE						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
32.	18-07-2024	60.48	27.81	23.42	26.86	0.65	3.42	NOT DETECTED
33.	22-07-2024	65.13	29.46	25.34	30.13	0.71	3.57	NOT DETECTED
34.	25-07-2024	58.47	26.94	21.43	25.26	0.57	3.45	NOT DETECTED
35.	29-07-2024	55.84	25.76	19.81	24.14	0.48	3.37	NOT DETECTED
36.	01-08-2024	53.29	24.78	20.93	23.75	0.56	3.15	NOT DETECTED
37.	05-08-2024	57.28	25.63	21.75	25.14	0.59	3.42	NOT DETECTED
38.	08-08-2024	55.17	24.91	21.1	24.96	0.57	3.1	NOT DETECTED
39.	12-08-2024	60.14	26.26	23.53	26.42	0.63	3.29	NOT DETECTED
40.	15-08-2024	63.31	27.84	24.81	27.35	0.66	3.48	NOT DETECTED
41.	19-08-2024	59.64	25.16	23.42	26.53	0.64	3.71	NOT DETECTED
42.	22-08-2024	62.39	26.43	24.74	28.11	0.67	3.62	NOT DETECTED
43.	26-08-2024	54.58	24.13	21.84	24.68	0.58	3.37	NOT DETECTED
44.	29-08-2024	58.15	25.47	23.52	27.25	0.63	3.51	NOT DETECTED
45.	02-09-2024	55.19	25.48	21.55	24.82	0.61	3.38	NOT DETECTED
46.	05-09-2024	56.92	24.83	22.08	26.42	0.57	3.14	NOT DETECTED
47.	09-09-2024	58.16	25.91	23.74	27.55	0.59	3.27	NOT DETECTED

Continue...

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Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Name of Location		WEST PORT - PMC OFFICE						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
48.	12-09-2024	61.49	27.74	25.41	29.15	0.62	3.76	NOT DETECTED
49.	16-09-2024	59.73	26.35	24.25	27.74	0.63	3.46	NOT DETECTED
50.	19-09-2024	63.48	28.12	24.86	28.39	0.66	3.69	NOT DETECTED
51.	23-09-2024	64.73	28.64	25.13	29.42	0.62	3.79	NOT DETECTED
52.	26-09-2024	60.52	25.47	22.59	26.27	0.56	3.37	NOT DETECTED
53.	30-09-2024	63.13	26.46	23.28	27.41	0.58	3.52	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS - 5182, Part - 11



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		LPG Terminal Substation						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	01-04-2024	74.28	34.92	25.36	29.07	1.1	--	NOT DETECTED
2.	04-04-2024	77.62	36.34	28.13	32.47	1.15	4.91	NOT DETECTED
3.	08-04-2024	72.35	34.11	24.87	28.53	1.12	4.84	NOT DETECTED
4.	11-04-2024	76.91	35.49	26.75	29.87	1.10	4.67	NOT DETECTED
5.	15-04-2024	80.24	38.63	28.59	33.12	1.18	4.79	NOT DETECTED
6.	18-04-2024	78.51	36.23	27.46	31.24	1.15	4.6	NOT DETECTED
7.	22-04-2024	75.89	33.96	26.19	29.68	1.12	4.42	NOT DETECTED
8.	25-04-2024	72.31	32.79	24.56	28.43	1.07	4.46	NOT DETECTED
9.	29-04-2024	77.57	35.68	27.46	31.74	1.13	4.58	NOT DETECTED
10.	02-05-2024	74.29	33.61	23.83	27.79	1.12	4.68	NOT DETECTED
11.	06-05-2024	76.82	34.98	26.12	30.27	1.13	4.73	NOT DETECTED
12.	09-05-2024	78.52	37.03	27.32	31.46	1.15	4.82	NOT DETECTED
13.	13-05-2024	75.43	35.72	24.38	28.56	1.13	4.72	NOT DETECTED
14.	16-05-2024	72.84	32.37	23.21	27.63	1.1	4.63	NOT DETECTED
15.	20-05-2024	76.13	36.72	24.39	28.96	1.14	4.57	NOT DETECTED

Continue...

Name of Location		LPG Terminal Substation						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	23-05-2024	78.53	37.12	26.51	30.27	1.15	4.6	NOT DETECTED
17.	27-05-2024	74.37	34.81	23.48	27.33	1.12	4.54	NOT DETECTED
18.	30-05-2024	76.19	35.52	25.27	29.78	1.14	4.7	NOT DETECTED
19.	03-06-2024	76.12	35.41	24.29	29.63	1.14	4.57	NOT DETECTED
20.	06-06-2024	73.49	33.58	22.75	26.85	1.11	4.45	NOT DETECTED
21.	10-06-2024	71.58	32.38	21.84	26.27	1.13	4.32	NOT DETECTED
22.	13-06-2024	74.31	34.67	24.11	29.61	1.14	4.61	NOT DETECTED
23.	17-06-2024	67.48	31.29	21.35	26.42	1.06	4.23	NOT DETECTED
24.	20-06-2024	70.53	32.47	23.36	27.7	1.10	4.41	NOT DETECTED
25.	24-06-2024	44.28	26.39	16.78	20.1	0.64	3.75	NOT DETECTED
26.	27-06-2024	48.74	28.36	19.65	22.37	0.72	3.88	NOT DETECTED
27.	01-07-2024	45.28	24.81	18.64	22.13	0.61	--	NOT DETECTED
28.	04-07-2024	48.69	26.34	16.49	20.73	0.66	3.58	NOT DETECTED
29.	08-07-2024	53.27	29.11	19.25	23.42	0.7	3.63	NOT DETECTED
30.	11-07-2024	51.48	27.35	18.74	22.1	0.67	3.75	NOT DETECTED
31.	15-07-2024	55.49	29.41	20.68	24.36	0.71	3.84	NOT DETECTED

Continue...

Name of Location		LPG Terminal Substation						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
32.	18-07-2024	57.37	31.68	23.54	26.49	0.82	3.88	NOT DETECTED
33.	22-07-2024	52.39	29.75	19.68	23.95	0.65	3.72	NOT DETECTED
34.	25-07-2024	47.65	26.31	17.47	21.38	0.57	3.65	NOT DETECTED
35.	29-07-2024	42.39	23.88	14.91	18.77	0.49	3.52	NOT DETECTED
36.	01-08-2024	49.48	25.79	15.81	19.96	0.61	3.55	NOT DETECTED
37.	05-08-2024	51.29	27.18	16.92	20.85	0.63	3.63	NOT DETECTED
38.	08-08-2024	54.38	28.83	17.45	21.62	0.68	3.58	NOT DETECTED
39.	12-08-2024	57.48	29.91	19.2	23.52	0.72	3.69	NOT DETECTED
40.	15-08-2024	53.92	26.54	17.25	21.39	0.65	3.64	NOT DETECTED
41.	19-08-2024	55.73	27.36	18.31	22.78	0.69	3.67	NOT DETECTED
42.	22-08-2024	58.14	28.47	19.1	23.69	0.73	3.71	NOT DETECTED
43.	26-08-2024	56.58	26.29	17.64	21.57	0.68	3.68	NOT DETECTED
44.	29-08-2024	54.37	25.63	16.42	20.73	0.64	3.59	NOT DETECTED
45.	02-09-2024	52.38	26.14	16.82	20.68	0.66	3.6	NOT DETECTED
46.	05-09-2024	55.18	28.61	17.16	21.37	0.69	3.65	NOT DETECTED
47.	09-09-2024	53.48	25.14	16.74	20.61	0.67	3.63	NOT DETECTED

Continue...

Name of Location		LPG Terminal Substation						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
48.	12-09-2024	57.73	27.64	17.83	21.58	0.73	3.66	NOT DETECTED
49.	16-09-2024	55.49	26.14	17.22	20.94	0.69	3.69	NOT DETECTED
50.	19-09-2024	58.84	27.91	18.53	22.37	0.71	3.74	NOT DETECTED
51.	23-09-2024	61.28	28.91	19.18	23.41	0.76	3.77	NOT DETECTED
52.	26-09-2024	55.43	25.74	16.98	20.49	0.67	3.65	NOT DETECTED
53.	30-09-2024	58.18	27.26	17.42	21.64	0.7	3.68	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS – 5182, Part – 11



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	01-04-2024	80.11	29.53	12.83	16.52	NOT DETECTED
2.	04-04-2024	84.26	30.71	14.32	18.11	--
3.	08-04-2024	79.46	28.47	13.11	17.54	--
4.	11-04-2024	75.27	25.39	12.85	17.03	--
5.	15-04-2024	77.36	27.17	13.26	16.59	--
6.	18-04-2024	73.91	25.48	12.26	15.86	--
7.	22-04-2024	76.84	26.97	12.79	16.44	--
8.	25-04-2024	80.49	28.66	14.52	17.16	--
9.	29-04-2024	82.35	30.42	13.73	16.85	--
10.	02-05-2024	77.39	26.19	13.05	15.89	--
11.	06-05-2024	75.19	25.42	12.73	17.42	--
12.	09-05-2024	78.27	27.49	13.26	16.38	--
13.	13-05-2024	80.52	29.71	14.25	17.36	--
14.	16-05-2024	78.64	27.47	13.64	16.83	--
15.	20-05-2024	74.38	26.16	12.39	16.37	--

Continue...

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	23-05-2024	76.73	28.64	13.56	16.98	--
17.	27-05-2024	79.62	30.11	14.01	17.63	--
18.	30-05-2024	75.2	26.85	12.69	15.63	--
19.	03-06-2024	80.12	28.47	14.14	17.21	--
20.	06-06-2024	78.63	27.91	13.85	16.32	--
21.	10-06-2024	75.94	25.38	13.11	15.83	--
22.	13-06-2024	77.53	27.15	13.52	16.14	--
23.	17-06-2024	71.28	24.39	12.25	15.47	--
24.	20-06-2024	68.88	23.64	11.85	14.98	--
25.	24-06-2024	51.25	19.64	9.31	12.46	--
26.	27-06-2024	47.49	17.83	8.65	10.94	--
27.	01-07-2024	44.75	16.94	8.87	10.68	NOT DETECTED
28.	04-07-2024	50.13	18.52	10.12	13.25	--
29.	08-07-2024	54.76	20.47	11.73	13.41	--
30.	11-07-2024	57.39	23.42	13.11	15.87	--
31.	15-07-2024	52.49	19.37	12.36	14.62	--

Continue...

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	18-07-2024	55.85	21.52	12.96	15.19	--
33.	22-07-2024	49.72	19.15	11.64	13.29	--
34.	25-07-2024	45.23	16.74	10.21	13.45	--
35.	29-07-2024	51.42	18.31	9.28	11.63	--
36.	01-08-2024	52.37	17.72	10.65	13.28	--
37.	05-08-2024	48.94	16.98	10.11	13.92	--
38.	08-08-2024	55.13	18.42	11.24	14.75	--
39.	12-08-2024	53.49	17.36	10.62	13.46	--
40.	15-08-2024	57.82	19.06	12.11	15.34	--
41.	19-08-2024	54.59	17.71	11.31	13.64	--
42.	22-08-2024	56.1	18.17	11.85	14.42	--
43.	26-08-2024	52.25	16.91	10.73	13.65	--
44.	29-08-2024	54.81	17.42	11.26	13.41	--
45.	02-09-2024	50.93	15.86	11.12	14.07	--
46.	05-09-2024	53.27	16.42	11.48	14.65	--
47.	09-09-2024	55.36	16.83	12.24	15.41	--

Continue...

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ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	12-09-2024	58.91	17.48	12.52	15.29	--
49.	16-09-2024	55.71	15.47	11.79	14.36	--
50.	19-09-2024	57.28	16.63	12.18	15.36	--
51.	23-09-2024	59.13	18.15	12.86	15.17	--
52.	26-09-2024	53.28	15.93	11.16	14.38	--
53.	30-09-2024	56.16	16.42	11.53	14.31	--
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	01-04-2024	85.13	30.82	27.35	30.15	0.81	--	NOT DETECTED
2.	04-04-2024	82.39	29.25	25.72	29.13	0.78	4.74	NOT DETECTED
3.	08-04-2024	80.18	27.31	24.86	27.35	0.73	4.61	NOT DETECTED
4.	11-04-2024	77.49	29.16	23.12	26.83	0.75	4.53	NOT DETECTED
5.	15-04-2024	81.93	28.38	24.64	28.02	0.86	4.86	NOT DETECTED
6.	18-04-2024	84.13	29.48	25.81	28.37	0.80	4.93	NOT DETECTED
7.	22-04-2024	87.39	32.15	27.68	30.64	0.85	4.75	NOT DETECTED
8.	25-04-2024	83.57	30.57	24.82	27.91	0.78	4.67	NOT DETECTED
9.	29-04-2024	86.12	32.81	27.14	31.25	0.83	4.81	NOT DETECTED
10.	02-05-2024	83.74	29.83	25.24	29.15	0.79	4.75	NOT DETECTED
11.	06-05-2024	85.19	32.53	27.81	31.11	0.85	4.88	NOT DETECTED
12.	09-05-2024	82.37	30.88	25.37	29.42	0.75	4.81	NOT DETECTED
13.	13-05-2024	79.36	28.64	24.93	28.64	0.73	4.73	NOT DETECTED
14.	16-05-2024	82.38	31.27	26.45	29.71	0.83	4.61	NOT DETECTED
15.	20-05-2024	80.91	30.15	25.19	29.37	0.79	4.70	NOT DETECTED

Continue...

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	23-05-2024	77.37	28.53	23.75	26.89	0.75	4.63	NOT DETECTED
17.	27-05-2024	79.52	29.75	25.29	28.74	0.81	4.68	NOT DETECTED
18.	30-05-2024	81.27	31.43	28.31	31.74	0.84	4.61	NOT DETECTED
19.	03-06-2024	81.84	30.14	24.26	28.74	0.80	4.67	NOT DETECTED
20.	06-06-2024	78.63	28.58	22.19	26.54	0.77	4.58	NOT DETECTED
21.	10-06-2024	80.27	29.18	22.97	27.15	0.72	4.63	NOT DETECTED
22.	13-06-2024	82.36	30.47	23.65	27.14	0.81	4.75	NOT DETECTED
23.	17-06-2024	76.21	27.63	22.1	26.74	0.70	4.67	NOT DETECTED
24.	20-06-2024	74.39	26.84	21.62	25.36	0.68	4.52	NOT DETECTED
25.	24-06-2024	60.67	23.71	18.64	22.37	0.24	3.65	NOT DETECTED
26.	27-06-2024	56.52	20.85	16.39	19.96	0.16	3.32	NOT DETECTED
27.	01-07-2024	58.28	22.31	17.53	20.47	0.38	--	NOT DETECTED
28.	04-07-2024	55.91	21.85	16.48	18.95	0.45	3.64	NOT DETECTED
29.	08-07-2024	61.38	24.62	18.25	22.17	0.49	3.78	NOT DETECTED
30.	11-07-2024	66.38	26.82	19.69	23.53	0.54	3.83	NOT DETECTED
31.	15-07-2024	63.73	25.21	18.14	22.16	0.46	3.71	NOT DETECTED

Continue...

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
32.	18-07-2024	70.16	27.13	21.36	24.64	0.52	3.77	NOT DETECTED
33.	22-07-2024	67.52	24.31	18.77	21.38	0.47	3.63	NOT DETECTED
34.	25-07-2024	63.1	21.96	16.35	19.13	0.41	3.69	NOT DETECTED
35.	29-07-2024	59.47	20.58	15.19	18.57	0.36	3.59	NOT DETECTED
36.	01-08-2024	61.42	21.86	16.58	20.81	0.52	3.61	NOT DETECTED
37.	05-08-2024	59.47	21.28	15.87	19.38	0.51	3.56	NOT DETECTED
38.	08-08-2024	63.71	22.64	16.95	20.15	0.55	3.68	NOT DETECTED
39.	12-08-2024	67.39	24.47	17.12	21.63	0.51	3.73	NOT DETECTED
40.	15-08-2024	65.28	23.19	16.56	20.06	0.56	3.70	NOT DETECTED
41.	19-08-2024	69.63	25.38	18.19	22.31	0.58	3.76	NOT DETECTED
42.	22-08-2024	63.29	24.37	17.42	21.35	0.57	3.73	NOT DETECTED
43.	26-08-2024	62.11	23.42	16.36	20.81	0.52	3.67	NOT DETECTED
44.	29-08-2024	65.38	24.88	17.15	21.37	0.58	3.71	NOT DETECTED
45.	02-09-2024	64.19	22.47	16.93	21.16	0.55	3.65	NOT DETECTED
46.	05-09-2024	67.28	23.81	17.24	21.72	0.58	3.72	NOT DETECTED
47.	09-09-2024	65.38	22.74	16.69	20.48	0.54	3.62	NOT DETECTED

Continue...

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
48.	12-09-2024	63.29	22.53	16.24	21.15	0.50	3.66	NOT DETECTED
49.	16-09-2024	67.63	23.96	17.48	21.95	0.57	3.69	NOT DETECTED
50.	19-09-2024	70.16	25.91	18.37	22.28	0.60	3.74	NOT DETECTED
51.	23-09-2024	68.47	24.63	17.86	21.42	0.57	3.71	NOT DETECTED
52.	26-09-2024	65.28	22.85	16.43	20.57	0.53	3.63	NOT DETECTED
53.	30-09-2024	67.83	23.47	17.12	21.63	0.56	3.59	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS – 5182, Part – 11



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		West Port – West Basin Main Gate					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		18-04-2024	20-05-2024	20-06-2024	18-07-2024	19-08-2024	19-09-2024
1	06:00 to 07:00	64.3	64.1	64.3	62.5	62.4	61.7
2	07:00 to 08:00	64.5	66.4	64.7	64.1	63.5	63.3
3	08:00 to 09:00	65.2	64.8	66.7	63.7	65.7	65.2
4	09:00 to 10:00	66.9	65.7	63.8	65.4	66.5	66.8
5	10:00 to 11:00	67.8	66.3	67.5	64.8	65.8	65.4
6	11:00 to 12:00	67.3	65.4	64.8	67.2	65.3	64.8
7	12:00 to 13:00	65.7	64.7	67.3	65.8	67.2	66.1
8	13:00 to 14:00	68.3	65.7	66.2	67.6	66.5	64.3
9	14:00 to 15:00	66.5	65.4	64.8	65.9	64.6	65.7
10	15:00 to 16:00	64.7	66.7	66.7	65.3	67.6	66.3
11	16:00 to 17:00	65.3	67.1	67.2	66.8	65.4	67.5
12	17:00 to 18:00	64.7	66.3	65.4	63.4	64.1	65.7
13	18:00 to 19:00	66.1	65.4	64.9	63.8	64.6	65.2
14	19:00 to 20:00	65.7	65.7	64.4	65.7	65.4	64.5
15	20:00 to 21:00	64.5	64.9	65.6	64.2	63.8	64.1
16	21:00 to 22:00	62.9	63.7	63.2	62.6	61.5	62.3
Day Time		<75 dB (A)					

Continue...

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Location Name		West Port – West Basin Main Gate					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		18-04-2024	20-05-2024	20-06-2024	18-07-2024	19-08-2024	19-09-2024
1	22:00 to 23:00	63.1	63.5	62.8	61.3	62.5	61.4
2	23:00 to 24:00	63.8	62.4	61.4	60.6	61.3	62.3
3	24:00 to 01:00	62.6	64.7	62.2	63.5	63.7	62.5
4	01:00 to 02:00	61.7	63.6	61.8	62.8	63.4	61.8
5	02:00 to 03:00	62.4	61.9	62.5	61.4	62.5	60.9
6	03:00 to 04:00	60.8	62.5	62.1	62.3	61.3	62.4
7	04:00 to 05:00	61.2	60.4	60.8	61.2	59.7	60.3
8	05:00 to 06:00	58.5	59.7	60.2	59.9	60.4	59.6
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		West Port – Horti Culture					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		22-04-2024	23-05-2024	24-06-2024	22-07-2024	22-08-2024	23-09-2024
1	06:00 to 07:00	64.8	63.8	63.2	63.8	63.2	63.5
2	07:00 to 08:00	67.1	65.7	66.2	63.5	65.2	64.7
3	08:00 to 09:00	64.8	66.4	64.3	65.2	64.8	64.9
4	09:00 to 10:00	67.1	68.4	65.8	64.1	65.7	64.3
5	10:00 to 11:00	65.2	65.7	66.4	67.5	66.3	65.7
6	11:00 to 12:00	65.6	66.2	68.2	66.8	65.8	65.4
7	12:00 to 13:00	68.7	67.4	65.4	64.7	66.8	67.5
8	13:00 to 14:00	66.5	65.4	64.3	63.9	64.7	65.7
9	14:00 to 15:00	68.2	67.2	68.3	64.7	66.2	66.8
10	15:00 to 16:00	67.3	65.6	66.8	64.1	65.8	64.3
11	16:00 to 17:00	64.7	66.3	65.2	62.6	64.6	64.2
12	17:00 to 18:00	66.4	65.8	64.8	65.7	63.5	64.6
13	18:00 to 19:00	64.9	63.7	65.1	65.1	65.5	64
14	19:00 to 20:00	67.5	64.5	63.2	64.3	63.1	63.4
15	20:00 to 21:00	65.7	65.2	64.8	63.6	64.6	62.1
16	21:00 to 22:00	64.5	62.9	61.8	60.3	62.1	61.9
Day Time		<75 dB (A)					

Continue...

Location Name		West Port – Horti Culture					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time					
		22-04-2024	23-05-2024	24-06-2024	22-07-2024	22-08-2024	23-09-2024
1	22:00 to 23:00	57.8	58.2	58.5	58.2	58.6	59.1
2	23:00 to 24:00	60.4	59.6	58.8	59.3	60.5	59.5
3	24:00 to 01:00	61.2	61.3	60.4	61.1	63.4	60.7
4	01:00 to 02:00	63.1	62.7	62.4	60.7	61.6	63.7
5	02:00 to 03:00	61.7	60.4	61.8	62.1	62.9	61.4
6	03:00 to 04:00	59.4	61.6	60.4	59.8	60.3	59.8
7	04:00 to 05:00	60.6	62.3	61.3	60.2	58.6	59.5
8	05:00 to 06:00	59.3	61.3	59.5	58.2	57.5	58.3
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		WEST PORT - PMC OFFICE					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		25-04-2024	27-05-2024	27-06-2024	25-07-2024	26-08-2024	26-09-2024
1	06:00 to 07:00	61.2	61.6	60.9	58.6	57.8	58.2
2	07:00 to 08:00	63.8	64.2	61.8	60.4	59.4	58.8
3	08:00 to 09:00	63.4	65.3	63.2	61.8	60.7	59.6
4	09:00 to 10:00	65.7	66.8	62.5	66.4	62.4	61.7
5	10:00 to 11:00	64.6	64.7	64.3	65.2	64.3	63.2
6	11:00 to 12:00	66.1	65.7	65.8	63.5	63.6	64.7
7	12:00 to 13:00	65.9	66.9	64.3	66.3	65.2	63.8
8	13:00 to 14:00	68.1	65.4	66.3	65.7	63.4	66.1
9	14:00 to 15:00	66.8	63.9	64.7	63.4	64.4	65.3
10	15:00 to 16:00	65.1	66.7	64.3	65.2	63.9	63.7
11	16:00 to 17:00	62.3	64.5	62.8	63.4	65.4	65.1
12	17:00 to 18:00	64.8	64.8	65.2	63.5	64.2	65.4
13	18:00 to 19:00	63.8	62.9	63.4	64.3	63.2	63.8
14	19:00 to 20:00	61.9	63.4	61.9	62.4	60.7	61.3
15	20:00 to 21:00	63.4	62.8	62.4	60.5	62.4	63.7
16	21:00 to 22:00	61.3	61.6	60.3	58.5	59.4	60.2
Day Time		<75 dB (A)					

Continue...

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Location Name		WEST PORT - PMC OFFICE					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time					
		25-04-2024	27-05-2024	27-06-2024	25-07-2024	26-08-2024	26-09-2024
1	22:00 to 23:00	60.8	61.7	60.3	61.5	61.2	60.8
2	23:00 to 24:00	62.7	63.1	61.8	61.8	62.4	62.2
3	24:00 to 01:00	62.9	62.5	63.8	62.4	62.1	63.4
4	01:00 to 02:00	64.5	64.1	63.4	62.9	63.8	62.5
5	02:00 to 03:00	63.2	62.8	62.5	63.2	62.5	63.8
6	03:00 to 04:00	62.6	63.4	62.8	61.7	63.4	62.6
7	04:00 to 05:00	61.2	61.8	61.5	61.4	60.7	60.3
8	05:00 to 06:00	61.6	61.7	61.2	60.4	59.8	60.1
Day Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		LPG Terminal Substation					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		15-04-2024	16-05-2024	17-06-2024	15-07-2024	15-08-2024	16-09-2024
1	06:00 to 07:00	60.1	61.4	63.5	64.1	63.8	63.4
2	07:00 to 08:00	61.8	63.2	61.8	65.7	64.7	64.1
3	08:00 to 09:00	63.5	65.1	63.4	64.3	64.3	64.8
4	09:00 to 10:00	63.6	66.4	65.4	66.8	67.7	65.4
5	10:00 to 11:00	64.8	65.8	64.8	67.3	66.4	67.2
6	11:00 to 12:00	66.6	67.2	66.3	65.2	66.8	67.1
7	12:00 to 13:00	65.4	66.3	64.2	67.4	65.5	65.2
8	13:00 to 14:00	64.1	64.1	65.8	65.8	64.8	65.8
9	14:00 to 15:00	64.9	64.8	68.2	67.1	65.7	64.3
10	15:00 to 16:00	66.3	65.3	67.3	64.3	65.2	64.7
11	16:00 to 17:00	65.8	65.7	64.3	65.8	64.8	65.2
12	17:00 to 18:00	66.3	64.2	66.1	65.2	65.7	64.5
13	18:00 to 19:00	64.8	63.9	65.4	64.1	65.2	64.1
14	19:00 to 20:00	64.5	62.7	63.9	66.4	64.7	62.9
15	20:00 to 21:00	63.3	63.6	63.5	65.2	64.2	63.6
16	21:00 to 22:00	61.7	62.4	61.7	63.8	63.7	63.1
Day Time		<75 dB (A)					

Continue...

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Location Name		LPG Terminal Substation					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		15-04-2024	16-05-2024	17-06-2024	15-07-2024	15-08-2024	16-09-2024
1	22:00 to 23:00	60.5	59.8	59.2	58.5	59.3	58.8
2	23:00 to 24:00	62.3	60.8	59.5	58.8	59.6	60.4
3	24:00 to 01:00	61.7	62.4	60.4	61.2	60.5	60.8
4	01:00 to 02:00	61.9	64.1	62.7	61.6	63.1	63.4
5	02:00 to 03:00	63.4	63.4	63.2	62.5	61.7	62.3
6	03:00 to 04:00	62.7	63.9	61.8	60.4	59.8	60.7
7	04:00 to 05:00	62.9	61.7	61.1	59.6	60.3	58.4
8	05:00 to 06:00	61.8	60.4	59.7	58.7	58.3	57.8
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		Adani Guest House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		17-04-2024	22-05-2024	18-06-2024	20-07-2024	17-08-2024	17-09-2024
1	06:00 to 07:00	57.6	58.7	58.9	57.6	58.2	59.4
2	07:00 to 08:00	59.4	60.3	61.3	59.7	60.3	61.5
3	08:00 to 09:00	60.3	59.8	60.3	61.4	60.9	63.4
4	09:00 to 10:00	64.6	62.4	63.2	60.8	62.4	64.7
5	10:00 to 11:00	66.4	65.4	64.6	62.2	63.6	64.2
6	11:00 to 12:00	65.7	66.8	65.2	64.6	63.1	65.7
7	12:00 to 13:00	64.2	65.3	64.3	65.3	64.5	67.1
8	13:00 to 14:00	65.2	64.2	65.8	64.9	65.4	66.4
9	14:00 to 15:00	66.6	65.4	64.3	63.6	66.7	65.6
10	15:00 to 16:00	63.2	64.6	65.8	65.6	65.4	64.8
11	16:00 to 17:00	65.6	65.1	64.2	63.8	64.5	65.7
12	17:00 to 18:00	64.3	63.8	62.9	63.5	64.3	65.1
13	18:00 to 19:00	65.5	63.4	62.5	64.1	65.2	64.3
14	19:00 to 20:00	64.4	65.1	64.3	66.2	65.6	64.7
15	20:00 to 21:00	63.1	62.8	63.8	63.5	62.5	62.3
16	21:00 to 22:00	60.1	60.3	59.8	60.3	61.5	60.7
Day Time		<75 dB (A)					

Continue...

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Location Name		Adani Guest House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		17-04-2024	22-05-2024	18-06-2024	20-07-2024	17-08-2024	17-09-2024
1	22:00 to 23:00	60.5	60.6	59.9	58.4	57.9	58.1
2	23:00 to 24:00	62.4	61.7	60.4	59.4	59.1	58.8
3	24:00 to 01:00	61.4	63.3	62.4	61.8	59.6	60.4
4	01:00 to 02:00	63.8	62.8	63.1	63.5	60.5	62.6
5	02:00 to 03:00	62.3	62.4	61.4	62.3	61.9	62.4
6	03:00 to 04:00	60.1	61.8	60.8	61.7	62.2	61.3
7	04:00 to 05:00	61.3	60.2	58.7	59.3	60.3	59.7
8	05:00 to 06:00	61.4	59.8	58.3	59.5	59.3	57.6
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		CT-4 RMU-2					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		20-04-2024	25-05-2024	22-06-2024	27-07-2024	24-08-2024	21-09-2024
1	06:00 to 07:00	61.3	61.6	61.4	59.8	61.3	60.8
2	07:00 to 08:00	63.6	62.8	63.5	61.3	63.7	63.2
3	08:00 to 09:00	64.8	65.2	63.7	65.5	62.8	65.7
4	09:00 to 10:00	65.2	65.7	64.1	64.2	64.5	65.2
5	10:00 to 11:00	68.7	66.8	65.4	66.1	65.7	66.5
6	11:00 to 12:00	66.1	68.2	66.5	64.7	64.3	64.3
7	12:00 to 13:00	66.7	66.4	65.8	64.9	67.5	66.4
8	13:00 to 14:00	64.7	65.9	64.7	63.6	65.8	65.2
9	14:00 to 15:00	68.9	67.3	65.3	64.2	65.2	66.1
10	15:00 to 16:00	65.4	68.3	67.4	66.8	66.7	67.4
11	16:00 to 17:00	67.3	66.4	65.9	64.7	63.8	64.4
12	17:00 to 18:00	65.4	65.9	66.3	65.3	64.5	63.9
13	18:00 to 19:00	63.6	64.2	63.8	63.9	63.5	65.5
14	19:00 to 20:00	62.7	63.5	65.2	60.8	61.3	62.3
15	20:00 to 21:00	65.4	64.3	64.2	62.4	61.5	64.7
16	21:00 to 22:00	63.4	62.8	62.3	61.6	60.8	69.6
Day Time		<75 dB (A)					

Continue...

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Location Name		CT-4 RMU-2					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		20-04-2024	25-05-2024	22-06-2024	27-07-2024	24-08-2024	21-09-2024
1	22:00 to 23:00	62.2	61.8	61.3	61.5	60.2	61.3
2	23:00 to 24:00	61.7	63.4	62.7	63.7	61.8	60.6
3	24:00 to 01:00	63.2	64.8	61.3	62.6	62.5	61.6
4	01:00 to 02:00	61.7	63.7	62.8	63.8	62.8	61.8
5	02:00 to 03:00	63.5	63.1	62.7	61.5	63.2	60.6
6	03:00 to 04:00	61.2	62.3	61.6	62.3	61.8	62.7
7	04:00 to 05:00	62.4	61.8	60.4	61.1	59.8	61.4
8	05:00 to 06:00	60.8	61.3	60.8	60.3	60.5	60.8
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Stack Monitoring

Sr. No.	Parameter	Unit	Aug – 2024		GPCB LIMIT	Method of Test
			D.G.Set No. S-1 (1500 KVA)	D.G.Set No. S-2 (1500 KVA)		
			14-08-2024	14-08-2024		
1	Particulate Matter	mg/Nm ³	19.73	20.17	150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	16.24	15.37	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	22.1	21.52	50	IS 11255 (Part - 7)



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

Sr. No.	Parameter	Unit	Sep-24	GPCB LIMIT	Method of Test
			D.G. Set-1 (2000 KVA)		
			26-09-2024		
1	Particulate Matter	mg/Nm ³	28.19	150	IS 11255 (Part - 1)
2	Sulphur Dioxide	ppm	11.82	100	IS 11255 (Part - 2)
3	Oxide of Nitrogen	ppm	24.1	50	IS 11255 (Part - 7)
4	Carbon Monoxide	mg/Nm ³	4.6	--	UERL/AIR/SOP/18
5	Non Methyl Hydro Carbon	ppm	Not Detected	--	UERL/AIR/SOP/27



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Minimum Detection Limit

Ambient Air Quality Monitoring

Sr. No.	Test Parameter	Unit	MDL
1	Particulate Matter (PM10)	µg/m ³	5 µg/m ³
2	Particulate Matter (PM10)	µg/m ³	5 µg/m ³
3	Sulphur Dioxide (SO ₂)	µg/m ³	4 µg/m ³
4	Nitrogen Dioxide (NO ₂)	µg/m ³	5 µg/m ³
5	Carbon Monoxide (CO)	mg/m ³	0.01 mg/m ³
6	Ammonia (NH ₃)	µg/m ³	5 µg/m ³
7	Ozone (O ₃)	µg/m ³	5 µg/m ³
8	Lead (Pb)	µg/m ³	0.5 µg/m ³
9	Nickle (Ni)	ng/m ³	1 ng/m ³
10	Arsenic (As)	ng/m ³	1 ng/m ³
11	Benzene	µg/m ³	1µg/m ³
12	Benzo(o)Pyrene	ng/m ³	0.1 ng/m ³
14	Hydro Carbon	µg/m ³	1 µg/m ³

Stack Emission Monitoring

Sr. No.	Test Parameter	Unit	MDL
1	Suspended particulate matter	mg/Nm ³	2 mg/Nm ³
2	Sulphur Dioxide SOX	mg/Nm ³	4 mg/Nm ³
3	Oxides of Nitrogen NOX	mg/Nm ³	5 mg/Nm ³

STP Outlet			
Sr. No.	Test Parameter	Unit	MDL
1	pH @ 25 ° C	--	2
2	Total Suspended Solids	mg/L	4
3	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	1
4	Residual chlorine	mg/L	0.1
5	Fecal Coliform	MPN/100	<2

ETP Outlet			
Sr. No.	Test Parameter	Unit	MDL
1	Colour	Pt. Co. Scale	5
2	pH @ 27 ° C	--	2
3	Temperature	0c	5
4	Total Suspended Solids	mg/L	4
5	Total Dissolved Solids	mg/L	4
6	COD	mg/L	2
7	BOD (3 days at 27 °C)	mg/L	1
8	Chloride (as Cl) -	mg/L	1
9	Oil & Grease	mg/L	2
10	Sulphate (as SO ₄)	mg/L	1
11	Ammonical Nitrogen	mg/L	2

QCI-NABET Accredited EIA
Consultant Organization

GPCB Recognized Environmental
Auditor (Schedule-11)

ISO 9001 : 2015
Certified Company

ISO 45001 : 2018
Certified Company

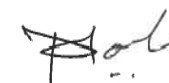
12	Phenolic Compound	mg/L	0.1
13	Copper as Cu	mg/L	0.05
14	Lead as Pb	mg/L	0.01
15	Sulphide as S	mg/L	0.05
16	Cadmium as Cd	mg/L	0.003
17	Fluoride as F	mg/L	0.2
18	Residual Chlorine	mg/L	0.1
19	Percent Sodium	%	--
20	Sodium Absorption ratio	--	--

RESULTS OF STP OUTLET WATER

SR.N O.	TEST PARAMETERS	UNIT	WFDP WEST PORT STP OUTLET						GPCB Permissib le Limit	TEST METHOD
			Oct-24		Nov-24		Dec-24			
			09-10-2024	24-10-2024	13-11-2024	23-11-2024	05-12-2024	25-12-2024		
1.	pH @ 25 ° C	--	7.12	7.22	7.32	7.46	7.36	7.28	6.5 to 9	IS 3025 (Part-11):2022
2.	Total Suspended Solids	mg/L	20	18	18	16	18	20	100	APHA 24th Ed.2023,2540-D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	14	13	15.2	16.4	15.5	16.8	30	APHA 24th Ed.2023,5210-B
4.	Residual chlorine	mg/L	0.62	0.64	0.74	0.59	0.66	0.72	0.5 Min.	APHA 24th Ed.2023,4500-Cl-G
5.	Fecal Coliform	MPN Index/100 ml	60	70	50	60	60	70	1000	IS 3025 (Part-11):2022



Mr. Nilesh Patel
Sr. Chemist

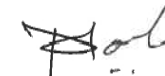
Mr. Nitin Tandel
Technical Manager

RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	WFDP WEST PORT STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Jan-25		Feb-25		Mar-25			
			07-01-2025	24-01-2025	04-02-2025	18-02-2025	06-03-2025	18-03-2025		
1	pH @ 25 ° C	--	7.12	7.19	7.22	7.24	7.11	7.35	6.5 to 9	IS 3025(Part-11):2022
2	Total Suspended Solids	mg/L	14	18	16	18	14	14	100	APHA 24th Ed.2023,2540
3	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	15	16	14	15	15	16	30	APHA 24th Ed.2023,5210
4	Residual chlorine	mg/L	0.56	0.62	0.55	0.64	0.68	0.72	0.5 Min.	APHA 24th Ed.2023,4500-Cl-G
5	Total Nitrogen	mg/L	5.3	5.8	7.22	7.24	8.46	12.2	--	APHA 24th Ed.,2023,4500-B, C
6	Total Phosphorus	mg/L	1.6	1.4	16	18	8.5	5.2	--	APHA 24th Ed.,2023,4500-P, D
7	Fecal Coliform	MPN Index/100ml	50	60	60	70	50	60	1000	IS 3025 (Part-11):2022



Mr. Nilesh Patel
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Mr. Nitin Tandel
Technical Manager

RESULTS OF ETP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	LIQUID TERMINAL						GPCB Limit	TEST METHOD
			Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25		
			24-10-2024	25-11-2024	25-12-2024	24-01-2025	18-02-2025	06-03-2025		
1.	Colour	Pt. Co. Scale	40	50	40	40	40	40	100	IS 3025(Part 4):2021
2.	pH @ 27 ° C	--	7.64	7.28	7.14	7.22	7.34	7.42	6.5 to 8.5	IS 3025(Part 11):2022
3.	Temperature	°C	30	30	29	29	30	30.5	40	IS 3025(Part 9):2023
4.	Total Suspended Solid	mg/L	54	36	18	26	24	36	100	APHA 24th Ed.2023,2540 –D
5.	Total Dissolved Solids	mg/L	648	622	580	628	610	644	2100	APHA 24th Ed.2023,2540- C
6.	COD	mg/L	92.2	88.5	78.4	82.2	86.1	81.2	100	IS 3025(Part 58):2023
7.	BOD (3 days at 27 °C)	mg/L	27	26	23	25	26	24	30	IS 3025(Part 44):2023
8.	Chloride (as Cl) -	mg/L	242.2	262.2	302	280	294	274.5	600	IS 3025(Part 32):1988
9.	Oil & Grease	mg/L	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:4.0)	BDL(MDL:4.0)	BDL(MDL:4.0)	BDL(MDL:4.0)	10	IS 3025(Part 39):2021
10.	Sulphate (as SO ₄)	mg/L	42	48	52	26	32	42	1000	IS 3025(Part 24):2022
11.	Ammonical Nitrogen	mg/L	22.2	15.6	19.8	12.1	18.6	22.4	50	IS 3025(Part 34):1988,
12.	Phenolic Compound	mg/L	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	1	IS 3025(Part 43):2022
13.	Copper as Cu	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	3	IS 3025(Part 42):1992
14.	Lead as Pb	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	0.1	APHA 24th Ed.2023,3111-B

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SR.NO.	TEST PARAMETERS	UNIT	LIQUID TERMINAL						GPCB Limit	TEST METHOD
			Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25		
			24-10-2024	25-11-2024	25-12-2024	24-01-2025	18-02-2025	06-03-2025		
15.	Sulphide as S	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	2	APHA 24th Ed.2023,4500 S ² F
16.	Cadmium as Cd	mg/L	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	2	APHA 24th Ed.2023,3111-B
17.	Fluoride as F	mg/L	1.91	1.28	0.82	0.45	0.37	0.56	2	APHA 24th Ed.2023,4500 F, D
18.	Residual Chlorine	mg/L	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	0.5 Min.	APHA 24th Ed.2023,4500-Cl-G
19.	Percent Sodium	%	47.64	47.49	46.15	46.86	46.05	47.13	60	By Calculation
20.	Sodium Absorption ratio	--	3.20	3.2	3.3	3.4	3.1	2.9	26	By Calculation



Mr. Nilesh Patel
Sr. Chemist




Mr. Nitin Tandel
Technical Manager

MARINE WATER MONITORING SUMMARY REPORT

RESULTS OF MARINE WATER [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	2.7	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	2.5	BDL(MDL :1.0)	2.7	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	3.1	BDL(MDL :1.0)	IS 3025(Part 11):2022
2.	Temperature	°C	7.04	6.73	6.9	6.8	6.82	6.72	6.75	6.65	6.81	6.71	6.66	6.57	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	35.65	36.71	35.74	36.51	36.02	36.74	36.12	36.81	36.18	36.88	36.22	36.94	APHA 24th Ed., 2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	2.42	2.1	2.32	2.93	2.74	2.58	2.9	2.74	2.74	2.58	2.58	2.26	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	0.391	0.348	0.379	0.31	0.413	0.391	0.348	0.304	0.326	0.304	0.304	0.283	By Calculation
7.	Oil & Grease	mg/L	3.39	3.32	2.59	2.32	3.39	3.26	3.9	3.8	3.59	3.48	3.64	3.53	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	μmol/L	1.37	1.26	1.16	1.05	1.37	1.26	1.05	BDL(MDL :0.4)	1.37	1.16	1.16	1.05	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/L	6.201	5.768	5.289	5.56	6.543	6.231	7.148	6.844	6.656	6.364	6.524	6.073	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	μmol/L	34820	35760	34620	35420	34840	35510	35130	35720	35140	35746	35160	35780	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	28.3	16.2	20.2	8.1	24	8	20.1	16.1	32	20	28.6	16.3	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	2.7	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	2.5	BDL(MDL :1.0)	2.7	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	3.1	BDL(MDL :1.0)	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	7.04	6.73	6.9	6.8	6.82	6.72	6.75	6.65	6.81	6.71	6.66	6.57	IS 3025(Part 16):2023
15.	COD	mg/L	35.65	36.71	35.74	36.51	36.02	36.74	36.12	36.81	36.18	36.88	36.22	36.94	IS 3025(Part 58):2023

Continue...

RESULTS OF MARINE WATER [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A	Phytoplankton														
1.	Chlorophyll	mg/m³	3.06	3.26	3.07	3.24	3.06	3.28	3.07	3.27	3.06	3.26	3.07	3.27	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	7	1.55	8	1.59	9	1.57	8	1.55	7	1.54	6	1.55	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	114	91	112	92	113	91	112	91	114	92	112	91	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Coscinodiscus	Odontella	Nitzschia	Biddulphia	Nitzschia	Biddulphia	Thalassiothrix	Dinophysis	Thalassiothrix	Dinophysis	Thalassiothrix	Dinophysis	APHA (24th Ed. 2023)10200A-G
			Diploneis	Rhizosolenia	Diploneis	Rhizosolenia	Pinnularia	Rhizosolenia	Surirella	Pinnularia	Surirella	Pinnularia	Biddulphia	Pinnularia	
			Rhizosolenia	Coscinodiscus	Rhizosolenia	Coscinodiscus	Rhizosolenia	Coscinodiscus	Navicula	Thalassiothrix	Navicula	Thalassiothrix	Navicula	Thalassiothrix	
			Dinophysis	Grammatophora	Dinophysis	Grammatophora	Dinophysis	Grammatophora	Thalassiosira	Grammatophora	Nitzschia	Grammatophora	Nitzschia	Grammatophora	
			Thalassionema	Thalassiosira	Biddulphia	Navicula	Biddulphia	Navicula	Skeletonema	Ceratium	Skeletonema	Ceratium	Skeletonema	Ceratium	
B Zooplankton															
1	Abundance(Population)	noX103/100 m3	65		66		67		65		66		64		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Crustacean Larvae		Oikoplura		Oikoplura		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		
			Egg(Fish and Shrimps)		Pinnularia		Pinnularia		Oikoplura		Oikoplura		Oikoplura		
			Copepods		Copepods		Copepods		Copepods nauplii		Copepods nauplii		Copepods nauplii		
			Crustacean		Copepods nauplii		Copepods nauplii		Crustacean		Crustacean		Crustacean		
			Bivalve Larvae		Thalassionema		Thalassionema		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		
3	Total Biomass	ml/100 m³	13.66		13.65		13.66		13.67		13.68		13.67		

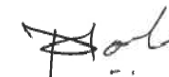
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RESULTS OF MARINE WATER [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
C	Microbiological														
1	Total Bacterial Count	CFU/ml	112		114		112		111		112		114		APHA 24 th Ed.2023,9215-C
2	Total Coliform	/100ml	14		13		12		13		12		13		APHA 24 th Ed.2023,9222-B
3	Ecoli	/100ml	9		8		9		8		87		88		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24 th Ed.2023,9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



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Technical Manager

RESULTS OF SEDIMENT ANALYSIS [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.48	0.44	0.48	0.46	0.49	0.44	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	532.5	542.3	535.3	540.6	562.1	542.5	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	3.91	3.88	3.92	3.96	3.95	3.98	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	135.2	142.3	146.2	142.4	148.6	152.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	684.2	702.5	686	702.2	690.8	650.8	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.12	3.94	3.95	3.98	3.91	3.88	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	48.62	44.25	42.3	44.5	46.2	42.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	52.21	46.35	44.6	48.6	52.1	54.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	111.4	102.5	110.5	114.5	120.5	106.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.41	2.24	2.22	2.29	2.11	1.86	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

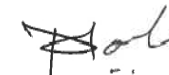
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RESULTS OF SEDIMENT ANALYSIS [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24 SEDIMENT	Nov-24 SEDIMENT	Dec-24 SEDIMENT	Jan-25 SEDIMENT	Feb-25 SEDIMENT	Mar-25 SEDIMENT	TEST METHOD
D	Benthic Organisms								
1	Macrobenthos	--	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	APHA (24th Ed. 2023)10500
			<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	
			<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Amphipods</i>	<i>Gastropods</i>	<i>Gastropods</i>	
			<i>Amphipods</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	
2	MeioBenthos	--	<i>Herpectacoids</i>	<i>Gastropods</i>	<i>Herpectacoids</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	
			<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	
3	Population	no/m ²	366	367	368	367	368	367	



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Mr. Nitin Tandel
Technical Manager

RESULTS OF MARINE WATER [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.11	8.01	8.09	7.94	8.15	7.99	8.17	8.03	8.15	8.04	8.18	8.08	IS 3025(Part 11):2022
2.	Temperature	°C	29.9	29.8	29.8	29.7	29.7	29.6	29.6	29.5	29.7	29.6	29.8	29.7	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	128	102	142	114	132	102	142	114	130	116	124	106	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.6	BDL(MDL :1.0)	2.5	BDL(MDL :1.0)	2.9	BDL(MDL :1.0)	2.6	BDL(MDL :1.0)	2.7	BDL(MDL :1.0)	2.9	BDL(MDL :1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.84	6.53	6.7	6.6	6.62	6.52	6.45	6.35	6.71	6.5	6.57	6.37	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.64	36.88	35.28	36.65	35.42	36.72	35.56	36.81	35.67	36.84	35.72	36.89	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO ₃	µmol/L	2.26	1.94	2.76	2.59	3.23	3.06	3.39	3.06	3.23	3.06	3.06	2.9	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO ₂	µmol/L	0.261	0.239	0.379	0.276	0.37	0.348	0.413	0.391	0.456	0.413	0.413	0.391	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	µmol/L	3.42	3.32	2.32	1.56	3.42	3.39	4.01	3.9	3.74	3.64	3.64	3.59	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO ₄	µmol/L	1.26	1.16	1.37	1.26	1.58	1.47	1.16	BDL(MDL :0.4)	1.05	BDL(MDL :0.4)	1.16	BDL(MDL :0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	5.941	5.499	5.459	4.426	7.02	6.798	7.813	7.351	7.426	7.113	7.113	6.881	APHA 24th Ed.2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35810	36550	35640	36120	35550	36080	35840	36240	35910	36264	36010	36310	IS 3025(Part 16):2023
15.	COD	mg/L	32.4	20.2	24.2	12.1	27.9	12	32.1	20.1	36	24	32.7	20.4	IS 3025(Part 58):2023

Continue...

RESULTS OF MARINE WATER [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFA CE	BOTTO M	SURFA CE	BOTTO M	SURFA CE	BOTTO M	SURFA CE	BOTTO M	SURFA CE	BOTTO M	SURFA CE	BOTTO M	
A	Phytoplankton														
1.	Chloroph yll	mg/m³	2.97	2.67	2.98	2.68	2.97	2.69	2.98	2.68	2.97	2.67	2.96	2.66	APHA (24th Ed. 2023)10200A-G
2.	Phaeophy tin	mg/m³	2.05	2.03	2.06	2.03	2.07	2.04	2.06	2.03	2.07	2.02	2.06	2.01	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	93	148	92	147	91	148	92	147	91	145	92	144	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Thalass iothrix	Pinnula ria	Thalass iothrix	Pinnula ria	Dinoph ysis	Pinnula ria	Navicul a	Thalass iothrix	Surirell a	Thalass iothrix	Surirell a	Thalass iothrix	APHA (24th Ed. 2023)10200A-G
			Surirell a	Biddulp hia	Surirell a	Biddulp hia	Surirell a	Biddulp hia	Skeleto nema	Surirell a	Pinnula ria	Surirell a	Pinnula ria	Surirell a	
			Navicul a	Navicul a	Navicul a	Navicul a	Nitzschi a	Navicul a	Rhizoso lenia	Navicul a	Rhizoso lenia	Navicul a	Melosir a	Navicul a	
			Thallas siosira	Rhizoso lenia	Cyclotel la	Rhizoso lenia	Cyclotel la	Rhizoso lenia	Dinoph ysis	Thallas siosira	Dinoph ysis	Thallas siosira	Dinoph ysis	Thallas siosira	
			Skeleto nema	Skeleto nema	Skeleto nema	Thallas siosira	Skeleto nema	Thallas siosira	Thalass ionema	Skeleto nema	Thalass ionema	Skeleto nema	Thalass ionema	Skeleto nema	
Zooplankton															
1	Abudance (Populati on)	noX10 3/ 100 m3	44		43		44		43		42		41		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		Crustacean Larvae		Crustacean Larvae		Crustacean Larvae		
			Copepods		Oikoplura		Nitzschia		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		
			Copepods nauplii		Copepods nauplii		Copepods nauplii		Copepods		Copepods		Copepods		
			Crustacean		Crustacean		Pinnularia		Crustacean		Crustacean		Copepods nauplii		
			Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		
3	Total Biomass	ml/10 0 m³	15.2		15.1		15.2		15.2		15.1		15.2		

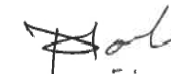
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RESULTS OF MARINE WATER [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
C			Microbiological												
1	Total Bacterial Count	CFU/ml	124		126		128		127		128		130		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	35		36		35		36		37		37		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	13		12		11		10		11		13		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



Mr. Nilesh Patel
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Mr. Nitin Tandel
Technical Manager

RESULTS OF SEDIMENT ANALYSIS [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.52	0.48	0.52	0.48	0.41	0.48	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	602.2	582.4	594.2	602.8	596.2	580.3	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	3.92	3.84	3.86	3.89	4.04	3.92	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	144.3	135.2	142.3	146.7	138.4	142.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	702.4	672.4	682.6	694.3	702.5	680.3	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.11	3.87	4.01	4.06	4.11	4.06	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	42.25	48.65	49.36	50.34	48.2	44.1	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	42.65	51.35	52.3	48.36	46.9	44.8	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	122.5	106.5	110.4	113.4	118.4	104.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	1.95	2.02	2.12	2.09	2.14	1.96	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

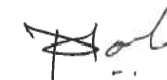
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RESULTS OF SEDIMENT ANALYSIS [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24 SEDIMENT	Nov-24 SEDIMENT	Dec-24 SEDIMENT	Jan-25 SEDIMENT	Feb-25 SEDIMENT	Mar-25 SEDIMENT	TEST METHOD
D			Benthic Organisms						
1	Macrobenthos	--	Decapods Larvae	Polychates	Polychates	Foraminiferan	Foraminiferan	Foraminiferan	APHA (24th Ed. 2023)10500
			Isopods	Isopods	Isopods	Gastropods	Gastropods	Gastropods	
			Amphipods	Amphipods	Gastropods	Isopods	Isopods	Isopods	
			Sipunculids	Sipunculids	Sipunculids	Sipunculids	Amphipods	Amphipods	
2	MeioBenthos	--	Foraminiferan	Foraminiferan	Decapods Larvae	Herpectacoids	Sipunculids	Sipunculids	
			Herpectacoids	Herpectacoids	Herpectacoids	Polychates	Polychates	Polychates	
3	Population	no/m ²	302	303	301	302	301	302	



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RESULTS OF MARINE WATER [M3 EAST OF BOCHAISLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.21	7.98	8.18	8.03	8.27	8.09	8.23	8.04	8.19	8.09	8.22	8.05	IS 3025(Part 11):2022
2.	Temperature	°C	30	29.9	29.9	29.8	29.8	29.7	29.7	29.6	29.8	29.7	29.7	29.6	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	134	106	102	88	110	92	124	88	118	96	126	98	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.8	BDL(MDL: 1.0)	2.7	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.94	6.73	6.8	6.7	6.72	6.62	6.65	6.55	6.71	6.6	6.57	6.47	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.29	36.54	35.33	36.12	35.42	36.22	35.62	36.38	35.74	36.52	35.79	36.64	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO ₃	µmol/L	2.58	2.26	2.67	2.41	2.42	2.26	3.23	2.9	3.55	3.23	3.39	3.06	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO ₂	µmol/L	0.37	0.326	0.475	0.365	0.326	0.304	0.37	0.326	0.435	0.391	0.456	0.435	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	µmol/L	3.42	3.26	2.62	2.58	3.59	3.53	3.85	3.8	4.06	3.95	3.8	3.74	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO ₄	µmol/L	1.16	1.05	1.26	1.16	1.26	1.05	1.37	1.26	1.47	1.26	1.37	1.26	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	6.37	5.846	5.765	5.355	6.336	6.094	7.45	7.026	8.045	7.571	7.646	7.235	APHA 24th Ed.2023,4500 NH3
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35230	36610	35290	36080	35430	36140	35524	36180	35540	36218	35460	36180	IS 3025(Part 16):2023
15.	COD	mg/L	24.3	12.1	16.1	4	20	8	24.1	12	28	16	24.5	12.3	IS 3025(Part 58):2023

Continue...

RESULTS OF MARINE WATER [M3 EAST OF BOCHAISLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	2.42	2.45	2.44	2.47	2.43	2.46	2.42	2.47	2.41	2.48	2.42	2.47	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	1.66	1.43	1.67	1.42	1.65	1.41	1.66	1.42	1.65	1.41	1.66	1.42	
3.	Cell Count	No. x 10³/L	156	96	155	97	154	96	155	97	154	98	155	97	
4	Name of Group Number and name of group species of each group	--	<i>Pinnularia</i>	<i>Coscinodiscus</i>	<i>Pinnularia</i>	<i>Coscinodiscus</i>	<i>Pinnularia</i>	<i>Coscinodiscus</i>	<i>Melosira</i>	<i>Cyclotella</i>	<i>Melosira</i>	<i>Cyclotella</i>	<i>Melosira</i>	<i>Cyclotella</i>	APHA (24th Ed. 2023)10200A-G
			<i>Biddulphia</i>	<i>Pinnularia</i>	<i>Biddulphia</i>	<i>Pinnularia</i>	<i>Biddulphia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	<i>Pinnularia</i>	
			<i>Navicula</i>	<i>Rhizosolenia</i>	<i>Navicula</i>	<i>Rhizosolenia</i>	<i>Navicula</i>	<i>Rhizosolenia</i>	<i>Skeletonema</i>	<i>Skeletonema</i>	<i>Rhizosolenia</i>	<i>Skeletonema</i>	<i>Rhizosolenia</i>	<i>Skeletonema</i>	
			<i>Thalassiosira</i>	<i>Dinophysis</i>	<i>Thalassiosira</i>	<i>Dinophysis</i>	<i>Thalassiosira</i>	<i>Dinophysis</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	<i>Thalassiosira</i>	
			<i>Skeletonema</i>	<i>Thalassionema</i>	<i>Skeletonema</i>	<i>Thalassionema</i>	<i>Skeletonema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	<i>Thalassionema</i>	
B Zooplankton															
1	Abundance (Population)	noX10³/ 100 m³	43		41		43		41		42		43		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		<i>Copepods</i>		<i>Copepods</i>		<i>Rhizosolenia</i>		<i>Crustacean</i>		<i>Crustacean</i>		<i>Crustacean</i>		
			<i>Copepods nauplii</i>		<i>Copepods nauplii</i>		<i>Crustacean Larvae</i>		<i>Copepods nauplii</i>		<i>Copepods nauplii</i>		<i>Copepods nauplii</i>		
			<i>Egg(Fish and Shrimps)</i>		<i>Egg(Fish and Shrimps)</i>		<i>Egg(Fish and Shrimps)</i>		<i>Crustacean Larvae</i>		<i>Crustacean Larvae</i>		<i>Crustacean Larvae</i>		
			<i>Crustacean</i>		<i>Pinnularia</i>		<i>Oikoplura</i>		<i>Crustacean</i>		<i>Crustacean</i>		<i>Egg(Fish and Shrimps)</i>		
			<i>Bivalve Larvae</i>		<i>Bivalve Larvae</i>		<i>Thalassionema</i>		<i>Bivalve Larvae</i>		<i>Bivalve Larvae</i>		<i>Bivalve Larvae</i>		
3	Total Biomass	ml/100 m³	15.4		15.3		15.1		15.1		15.3		15.4		

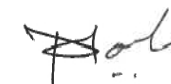
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RESULTS OF MARINE WATER [M3 EAST OF BOCHAISLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFAC E	BOTTO M	SURFAC E	BOTTO M	SURFAC E	BOTTOM	SURFACE	BOTTO M	SURFACE	BOTTO M			
C			Microbiological												
1	Total Bacterial Count	CFU/m l	134		136		137		136		138		140		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100m l	31		32		33		31		32		33		APHA 24thEd.2023, 9222-B
3	E.coli	/100m l	20		21		22		21		20		22		IS :15185:2016
4	Enterococcus	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:200 2
5	Salmonella	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:201 6
6	Shigella	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100m l	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



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Mr. Nitin Tandel
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RESULTS OF SEDIMENT ANALYSIS [M3 EAST OF BOCHASLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24 SEDIMENT	Nov-24 SEDIMENT	Dec-24 SEDIMENT	Jan-25 SEDIMENT	Feb-25 SEDIMENT	Mar-25 SEDIMENT	TEST METHOD
1.	Organic Matter	%	0.54	0.58	0.62	0.58	0.55	0.58	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	624.2	610.2	611.4	590.5	608.4	598.5	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	3.95	3.82	3.86	3.94	3.97	4.08	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	143.5	132.4	134.2	128.4	113.5	124.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	546.5	542.2	544.3	536.4	498.6	510.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.05	3.95	3.98	4.08	4.12	3.82	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	35.94	36.25	37.2	38.4	42.44	40.39	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	38.24	34.22	34.35	35.26	36.28	37.88	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	124.3	108.5	112.4	118.4	122.2	120.21	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.11	1.98	2.03	2.14	2.09	2.14	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

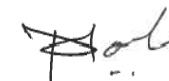
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RESULTS OF SEDIMENT ANALYSIS [M3 EAST OF BOCHASLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24 SEDIMENT	Nov-24 SEDIMENT	Dec-24 SEDIMENT	Jan-25 SEDIMENT	Feb-25 SEDIMENT	Mar-25 SEDIMENT	TEST METHOD
D			Benthic Organisms						
1	Macrobenthos	--	Polychates	Polychates	Amphipods	Gastropods	Gastropods	Decapods Larvae	APHA (24th Ed. 2023)10500
			Gastropods	Gastropods	Gastropods	Isopods	Isopods	Isopods	
			Isopods	Isopods	Isopods	Amphipods	Amphipods	Amphipods	
			Sipunculids	Sipunculids	Sipunculids	Sipunculids	Sipunculids	Sipunculids	
2	MeioBenthos	--	Herpectacoids	Herpectacoids	Herpectacoids	Polychates	Polychates	Foraminiferan	
			Polychates	Polychates	Polychates	Herpectacoids	Herpectacoids	Herpectacoids	
3	Population	no/m ²	298	296	298	297	295	294	



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RESULTS OF MARINE WATER [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.22	8.06	8.21	8.02	8.22	8.06	8.16	8	8.21	8.04	8.24	8.09	IS 3025(Part 11):2022
2.	Temperature	°C	30	29.9	29.8	29.7	29.7	29.6	29.6	29.5	29.7	29.6	29.6	29.5	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	122	104	116	94	106	88	128	114	122	108	132	114	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3.1	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	2.7	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	2.9	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	7.04	6.84	6.9	6.8	6.82	6.72	6.75	6.55	6.91	6.71	6.76	6.57	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.88	36.74	35.64	36.74	35.71	36.81	35.89	36.98	36.02	37.11	36.12	37.18	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO ₃	μmol/L	2.1	1.77	3.45	2.59	3.39	3.23	3.23	2.9	3.39	3.06	3.23	2.9	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/L	0.196	0.174	0.431	0.328	0.391	0.37	0.435	0.391	0.391	0.37	0.456	0.413	APHA 24th Ed.2023,4500NO2B
10.	Ammonical Nitrogen as NH ₃	μmol/L	3.32	3.26	2.84	2.62	3.69	3.64	4.11	4.06	4.22	4.11	3.95	3.9	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO ₄	μmol/L	1.05	BDL(MDL: 0.4)	1.16	BDL(MDL: 0.4)	1.26	1.16	1.47	1.37	1.05	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	5.616	5.204	6.721	5.538	7.471	7.24	7.775	7.351	8.001	7.54	7.636	7.213	APHA 24th Ed.2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35590	36720	35160	35920	35240	36100	35610	36210	36642	36228	36320	36710	IS 3025(Part 16):2023
15.	COD	mg/L	28.3	16.2	20.2	8.1	24	12	28.1	16.1	32	20	28.6	16.3	IS 3025(Part 58):2023

Continue...

RESULTS OF MARINE WATER [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A	Phytoplankton														
1.	Chlorophyll	mg/m³	2.34	3.1	2.33	3.2	2.36	3.1	2.35	3.2	2.36	3.1	2.37	3.2	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.4	5	2.3	6	2.2	7	2.1	8	2.2	9	2.1	8	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	157	87	158	88	157	89	156	88	157	87	156	88	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Coscino discus	Surirella	Surirella	Surirella	Coscino discus	Surirella	Thalassiosira	Coscino discus	Thalassiosira	Coscino discus	Thalassiosira	Coscino discus	APHA (24th Ed. 2023)10200A-G
			Diploneis	Biddulphia	Diploneis	Biddulphia	Diploneis	Biddulphia	Melosira	Diploneis	Melosira	Diploneis	Melosira	Diploneis	
			Rhizosolenia	Navicula	Thalassiothrix	Coscino discus	Skeletonema	Coscino discus	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	
			Dinophysis	Thalassiosira	Navicula	Thalassiosira	Navicula	Thalassiosira	Rhizosolenia	Dinophysis	Rhizosolenia	Dinophysis	Rhizosolenia	Dinophysis	
			Thalassionema	Skeletonema	Thalassionema	Skeletonema	Thalassionema	Skeletonema	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	
Zooplankton															
1	Abundance (Population)	noX10³/ 100 m³	37		38		39		38		37		36		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Oikoplura		Oikoplura		Copepods nauplii		Copepods nauplii		Copepods nauplii		Copepods nauplii		
			Copepods nauplii		Rhizosolenia		Rhizosolenia		Crustacean Larvae		Crustacean Larvae		Egg(Fish and Shrimps)		
			Crustacean Larvae		Crustacean Larvae		Egg(Fish and Shrimps)		Oikoplura		Oikoplura		Oikoplura		
			Crustacean		Crustacean		Crustacean		Bivalve Larvae		Bivalve Larvae		Copepods nauplii		
	Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		Oikoplura		Oikoplura		Oikoplura		
3	Total Biomass	ml/100 m³	14.26		14.27		14.26		14.25		14.26		14.27		

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RESULTS OF MARINE WATER [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	102		103		104		103		102		104		APHA 24 th Ed.2023,9215-C
2	Total Coliform	/100ml	42		43		44		42		41		40		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	11		12		11		12		11		12		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



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RESULTS OF SEDIMENT ANALYSIS [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.46	0.43	0.51	0.48	0.42	0.46	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	544.6	541.3	562.2	544.6	562.3	550.2	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	4.06	3.99	4.02	4.08	4.01	4.09	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	144.5	151.2	142.3	148.6	139.8	146.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	512.4	524.3	530.4	518.6	512.2	521.3	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	3.91	3.97	4.03	3.92	3.98	4.06	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	45.6	44.2	45.8	44.2	48.6	44.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	42.8	49.8	50.6	46.8	48.2	52.36	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	152.3	142.6	148.6	438.5	444.2	435.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.22	2.02	2.11	1.86	1.88	1.96	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

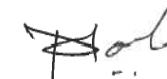
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RESULTS OF SEDIMENT ANALYSIS [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24 SEDIMENT	Nov-24 SEDIMENT	Dec-24 SEDIMENT	Jan-25 SEDIMENT	Feb-25 SEDIMENT	Mar-25 SEDIMENT	TEST METHOD
D	Benthic Organisms								APHA (24th Ed. 2023)10500
1	Macrobenthos	--	Foraminiferan	Amphipods	Amphipods	Sipunculids	Sipunculids	Sipunculids	
			Gastropods	Gastropods	Gastropods	Decapods Larvae	Decapods Larvae	Decapods Larvae	
			Isopods	Isopods	Isopods	Polychates	Polychates	Polychates	
			Sipunculids	Sipunculids	Turbellarians	Isopods	Isopods	Foraminiferan	
2	MeioBenthos	--	Herpectacoids	Herpectacoids	Herpectacoids	Turbellarians	Gastropods	Gastropods	
			Polychates	Turbellarians	Decapods Larvae	Herpectacoids	Herpectacoids	Herpectacoids	
3	Population	no/m ²	307	306	305	304	303	302	



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RESULTS OF MARINE WATER [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.14	7.98	8.21	8.03	8.14	7.98	8.19	8.01	8.24	8.11	8.19	8.03	IS 3025(Part 11):2022
2.	Temperature	°C	30.1	29.9	29.8	29.7	29.7	29.6	29.6	29.5	29.7	29.6	29.6	29.5	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	132	110	124	104	136	112	126	108	132	112	126	108	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27oC)	mg/L	2.9	BDL(MDL: 1.0)	2.5	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	2.6	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.84	6.63	6.7	6.6	6.62	6.52	6.65	6.45	6.6	6.5	6.47	6.37	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.12	36.33	35.19	36.48	35.28	36.52	35.44	36.66	35.56	36.71	35.42	36.74	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO3	µmol/L	2.74	2.42	2.8	2.37	2.9	2.74	3.23	2.9	3.71	3.39	3.55	3.39	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO2	µmol/L	0.283	0.239	0.259	0.189	0.304	0.261	0.348	0.326	0.391	0.37	0.37	0.348	APHA 24th Ed.2023,4500NO2 B
10.	Ammonical Nitrogen as NH3	µmol/L	3.74	3.59	4.05	3.83	3.74	3.69	4.11	4.01	3.95	3.85	4.11	4.06	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO4	µmol/L	1.05	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	1.16	1.05	1.05	BDL(MDL: 0.4)	1.16	1.05	1.37	1.26	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	6.763	6.249	7.109	6.389	6.944	6.691	7.688	7.236	8.051	7.61	8.03	7.798	APHA 24th Ed.2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	34840	35980	34560	35230	34620	35180	34980	35640	35060	35710	35140	35742	IS 3025(Part 16):2023
15.	COD	mg/L	16.2	12.1	8.1	4	12	8	16.1	12	20	16	16.3	12.3	IS 3025(Part 58):2023

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RESULTS OF MARINE WATER [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.11	3.16	3.12	3.15	3.13	3.14	3.12	3.13	3.11	3.12	3.12	3.13	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.2	1.21	2.1	1.21	2.2	1.22	2.1	1.21	2.2	1.22	2.1	1.23	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	124	112	123	113	124	112	123	113	122	112	121	113	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Diploneis	Navicula	Diploneis	Navicula	Navicula	Navicula	Navicula	Pinnularia	Navicula	Pinnularia	Navicula	Pinnularia	APHA (24th Ed. 2023)10200A-G
			Rhizosolenia	Skeletonema	Rhizosolenia	Skeletonema	Biddulphia	Skeletonema	Biddulphia	Biddulphia	Biddulphia	Biddulphia	Biddulphia	Rhizosolenia	
			Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	Nitzschia	Navicula	Nitzschia	Navicula	Odontella	Dinophysis	
			Cyclotella	Dinophysis	Cyclotella	Biddulphia	Cyclotella	Biddulphia	Cyclotella	Thalassiosira	Cyclotella	Thalassiosira	Cyclotella	Coscinodiscus	
			Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Pleurosigma	Skeletonema	Pleurosigma	Skeletonema	Pleurosigma	Skeletonema	
B Zooplankton															
1	Abundance (Population)	noX10³/ 100 m³	52		51		52		51		52		51		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Copepods nauplii		Nitzschia		Nitzschia		Crustacean Larvae		Crustacean Larvae		Crustacean Larvae		
			Crustacean Larvae		Crustacean Larvae		Crustacean Larvae		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		
			Oikoplura		Oikoplura		Oikoplura		Copepods		Copepods		Copepods nauplii		
			Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		Crustacean		Crustacean		Crustacean		
			Oikoplura		Oikoplura		Oikoplura		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		
3	Total Biomass	ml/100 m³	14.11		14.12		14.11		14.12		14.11		14.12		

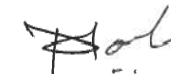
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RESULTS OF MARINE WATER [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	142		144		144		143		144		148		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	30		31		32		31		32		31		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	16		17		18		17		16		17		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



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RESULTS OF SEDIMENT ANALYSIS [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24 SEDIMENT	Nov-24 SEDIMENT	Dec-24 SEDIMENT	Jan-25 SEDIMENT	Feb-25 SEDIMENT	Mar-25 SEDIMENT	TEST METHOD
1.	Organic Matter	%	0.42	0.48	0.44	0.48	0.52	0.56	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	608	612.2	602	586	594.2	612.3	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	3.99	4.06	4.02	3.86	4.05	4.11	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	142.6	135.6	144.2	136	142.2	140.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	574.2	602.2	610.8	596.5	614.2	610.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.16	4.03	4.06	3.74	3.86	4.01	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	44.82	42.1	48.6	46.2	42.5	44.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	42.9	44.8	52.4	54.3	51.2	55.9	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	124.3	131.2	142.6	140.5	124.6	103.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.16	2.18	2.09	2.11	2.02	1.75	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

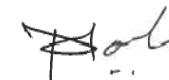
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RESULTS OF SEDIMENT ANALYSIS [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24 SEDIMENT	Nov-24 SEDIMENT	Dec-24 SEDIMENT	Jan-25 SEDIMENT	Feb-25 SEDIMENT	Mar-25 SEDIMENT	TEST METHOD
D			Benthic Organisms						
1	Macrobenthos	--	<i>Amphipods</i>	<i>Amphipods</i>	<i>Amphipods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	APHA (24th Ed. 2023)10500
			<i>Polychates</i>	<i>Sipunculids</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Gastropods</i>	
			<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	
			<i>Gastropods</i>	<i>Gastropods</i>	<i>Gastropods</i>	<i>Amphipods</i>	<i>Amphipods</i>	<i>Amphipods</i>	
2	MeioBenthos	--	Decapods Larvae	Decapods Larvae	Foraminiferan	Polychates	Herpectacoids	<i>Herpectacoids</i>	
			<i>Herpectacoids</i>	<i>Gastropods</i>	<i>Herpectacoids</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Polychates</i>	
3	Population	no/m ²	306	307	308	307	306	307	



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RESULTS OF MARINE WATER [M7 EAST PORT N 22°47'120" E 069°47'110"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.05	7.86	8.17	7.98	7.98	7.86	8.26	8.04	8.18	8.06	8.24	8.11	IS 3025(Part 11):2022
2.	Temperature	°C	29.9	29.8	29.8	29.7	29.7	29.6	29.6	29.5	29.7	29.6	29.6	29.5	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	118	90	108	94	114	98	109	86	120	96	118	99	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.8	BDL(MDL: 1.0)	2.9	BDL(MDL: 1.0)	3	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	7.04	6.73	6.9	6.8	6.82	6.72	6.65	6.55	6.81	6.71	6.66	6.57	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.72	36.47	35.64	36.25	35.76	36.35	35.82	36.44	35.74	36.48	35.65	36.49	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO ₃	μmol/L	3.06	2.74	3.23	2.59	3.06	2.9	2.74	2.42	3.23	3.06	3.55	3.23	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/L	0.348	0.326	0.293	0.259	0.283	0.261	0.326	0.304	0.348	0.326	0.391	0.37	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/L	3.85	3.74	3.97	3.84	3.64	3.59	3.9	3.8	4.16	4.06	3.95	3.9	APHA 24th Ed.2023,4500-NH ₃ B
11.	Phosphates as PO ₄	μmol/L	1.16	BDL(MDL: 0.4)	1.16	1.05	1.16	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	1.16	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	7.258	6.806	7.493	6.689	6.983	6.751	6.966	6.524	7.738	7.446	7.891	7.5	APHA 24th Ed.2023,4500 NH ₃
13.	Petroleum Hydrocarbon	μg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th Ed.2023,5520 F
14.	Total Dissolved Solids	mg/L	35470	36240	35410	36320	35520	36140	35850	36320	35890	36356	35924	36380	IS 3025(Part 16):2023
15.	COD	mg/L	20.2	16.2	12.1	8.1	16	12	20.1	16.1	24	20	20.4	16.3	IS 3025(Part 58):2023

Continue...

RESULTS OF MARINE WATER [M7 EAST PORT N 22°47'120" E 069°47'110"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.06	2.7	3.07	2.6	3.08	2.7	3.07	2.6	3.06	2.7	3.07	2.6	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.7	1.77	2.6	1.78	2.7	1.77	2.6	1.78	2.7	1.77	2.6	1.76	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	91	121	92	122	91	121	92	122	91	123	92	122	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Nitzschia	Thalassiothrix	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	Diploneis	Coscinodiscus	Diploneis	Coscinodiscus	Diploneis	Coscinodiscus	APHA (24th Ed. 2023)10200A-G
			Pinnularia	Surirella	Pinnularia	Surirella	Odontella	Surirella	Rhizosolenia	Diploneis	Rhizosolenia	Diploneis	Rhizosolenia	Diploneis	
			Odontella	Navicula	Dinophysis	Navicula	Dinophysis	Navicula	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	Nitzschia	Rhizosolenia	
			Dinophysis	Thalassiosira	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Thalassiothrix	Dinophysis	Thalassiothrix	Dinophysis	Thalassiothrix	Dinophysis	
			Surirella	Skeletonema	Surirella	Skeletonema	Cyclotella	Skeletonema	Pleurosigma	Thalassionema	Pleurosigma	Thalassionema	Cyclotella	Thalassionema	
B Zooplankton															
1	Abundance (Population)	noX10³/ 100 m³	41		44		43		42		41		42		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Nitzschia		Nitzschia		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		
			Pinnularia		Pinnularia		Coscinodiscus		Oikoplura		Oikoplura		Oikoplura		
			Odontella		Odontella		Odontella		Copepods nauplii		Copepods nauplii		Copepods nauplii		
			Dinophysis		Dinophysis		Dinophysis		Crustacean		Crustacean		Crustacean		
3	Total Biomass	ml/100 m³	Surirella		Surirella		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		
			16.58		16.57		16.58		16.57		16.58		16.59		

Continue...

RESULTS OF MARINE WATER [M7 EAST PORT N 22°47'120" E 069°47'110"]

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	94		96		98		99		98		96		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	24		26		27		26		27		26		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	13		11		12		11		12		11		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:200 2
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:201 6
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



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RESULTS OF MARINE WATER [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.24	8.08	8.18	8.01	8.06	7.85	8.11	7.95	8.17	7.99	8.14	7.96	IS 3025(Part 11):2022
2.	Temperature	°C	30	29.9	29.9	29.8	29.8	29.7	29.7	29.6	29.8	29.7	29.7	29.6	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	128	98	116	84	122	80	128	86	124	104	132	112	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3.4	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	2.9	BDL(MDL: 1.0)	2.6	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	7.04	6.84	6.9	6.8	6.82	6.72	6.85	6.65	6.91	6.71	6.76	6.57	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.55	36.62	35.62	36.74	35.74	36.82	35.83	36.94	35.75	36.97	35.78	37.02	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO ₃	μmol/L	3.23	2.9	3.02	2.59	2.74	2.42	3.06	2.9	2.9	2.58	3.23	3.06	APHA 24th Ed.2023,4500 NO3-
9.	Nitrite as NO ₂	μmol/L	0.348	0.326	0.276	0.215	0.304	0.283	0.391	0.37	0.413	0.37	0.391	0.37	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/L	3.95	3.8	3.79	3.36	3.8	3.74	3.9	3.74	4.11	4.01	4.16	4.06	APHA 24th Ed.2023,4500-NH ₃
11.	Phosphates as PO ₄	μmol/L	1.16	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	1.16	BDL(MDL: 0.4)	1.16	1.05	1.37	1.16	1.05	BDL(MDL: 0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	7.528	7.026	7.086	6.165	6.844	6.443	7.351	7.01	7.423	6.96	7.781	7.49	APHA 24th Ed.2023,4500 NH ₃
13.	Petroleum Hydrocarbon	μg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35120	36250	34830	35640	35090	35840	35420	36204	35440	36340	35390	36388	IS 3025(Part 16):2023
15.	COD	mg/L	20.2	12.1	12.1	4	16	8	20.1	12	24	16	20.4	12.3	IS 3025(Part 58):2023

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RESULTS OF MARINE WATER [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
	PARAMETERS		SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.3	3.12	3.2	3.14	3.1	3.12	3.2	3.11	3.1	3.12	3.2	3.11	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	1.7	1.6	1.8	1.38	1.7	1.8	1.6	1.7	1.7	1.6	1.6	1.7	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	114	107	113	109	114	107	113	106	112	107	113	106	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Odentella	Cyclotella	Odentella	Cyclotella	Odentella	Cyclotella	Nitzschia	Diploneis	Nitzschia	Diploneis	Nitzschia	Diploneis	APHA (24th Ed. 2023)10200A-G
			Rhizosolenia	Pinnularia	Rhizosolenia	Pinnularia	Rhizosolenia	Pinnularia	Grammatophora	Rhizosolenia	Grammatophora	Rhizosolenia	Grammatophora	Rhizosolenia	
			Coscinodiscus	Skeletonema	Coscinodiscus	Skeletonema	Coscinodiscus	Skeletonema	Diploneis	Nitzschia	Diploneis	Nitzschia	Diploneis	Nitzschia	
			Grammatophora	Thalassiosira	Grammatophora	Thalassiosira	Grammatophora	Thalassiosira	Thalassiothrix	Cyclotella	Thalassiothrix	Cyclotella	Thalassiothrix	Grammatophora	
			Thalassiosira	Thalassionema	Thalassiosira	Thalassionema	Thalassiosira	Thalassionema	Pleurosigma	Pleurosigma	Pleurosigma	Pleurosigma	Pleurosigma	Pleurosigma	
B Zooplankton															
1	Abundance(Population)	noX10³/ 100 m³	32		31		32		31		32		30		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Coscinodiscus		Coscinodiscus		Odontella		Oikoplura		Oikoplura		Oikoplura		
			Diploneis		Egg(Fish and Shrimps)		Egg(Fish and Shrimps)		Copepods nauplii		Copepods nauplii		Egg(Fish and Shrimps)		
			Rhizosolenia		Rhizosolenia		Rhizosolenia		Crustacean Larvae		Crustacean Larvae		Crustacean Larvae		
			Dinophysis		Bivalve Larvae		Bivalve Larvae		Crustacean		Crustacean		Crustacean		
			Thalassionema		Thalassionema		Thalassionema		Bivalve Larvae		Bivalve Larvae		Bivalve Larvae		
3	Total Biomass	ml/100 m³	14.77		14.76		14.77		14.76		14.77		14.78		

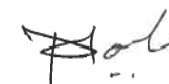
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RESULTS OF MARINE WATER [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	92		94		10		11		12		16		APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	12		13		14		13		12		14		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	11		12		11		10		11		11		IS :15185:2016
4	Enterococcus	/100ml	6		5		6		5		6		5		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976



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RESULTS OF SEDIMENT ANALYSIS [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.51	0.48	0.52	0.46	0.51	0.56	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	578.6	602.4	610.8	598.4	618.4	620.3	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	4.12	4.15	4.09	4.12	4.1	4.11	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	138.5	132.2	138.4	146.2	134.6	142.3	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	602.5	594.2	576.2	608.4	588.5	602.8	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.11	3.89	3.48	3.69	3.88	4.03	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	44.6	42.2	38.9	42.2	44.6	45	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	54.2	52.4	49.9	45.8	48.9	48.1	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	134	124.2	120.3	115.2	124.3	116.3	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.38	2.12	2.09	2.14	2.16	1.95	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

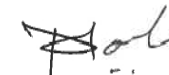
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RESULTS OF SEDIMENT ANALYSIS [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	TEST METHOD
D			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1	Macrobenthos	--	<i>Polychates</i>	<i>Gastropods</i>	<i>Gastropods</i>	<i>Polychates</i>	<i>Polychates</i>	<i>Polychates</i>	APHA (24th Ed. 2023)10500
			<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Decapods Larvae</i>	<i>Amphipods</i>	<i>Amphipods</i>	<i>Amphipods</i>	
			<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Isopods</i>	<i>Sipunculids</i>	
			<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Sipunculids</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	
2	MeioBenthos	--	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Herpectacoids</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	<i>Foraminiferan</i>	
			<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	<i>Turbellarians</i>	
3	Population	no/m ²	365	364	366	367	368	367	



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Sr. Chemist

Mr. Nitin Tandel
Technical Manager

RESULTS OF MARINE WATER [M11 MPT T1 JETTY N 22°42'278" E 069°43'450"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.17	7.99	8.24	8.04	8.33	8.12	8.34	8.06	8.27	8.11	8.21	8.02	IS 3025 (Part 11):2022
2.	Temperature	°C	29.9	29.8	29.8	29.7	29.7	29.6	29.6	29.5	29.7	29.6	29.8	29.7	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	136	120	132	114	144	128	126	102	122	110	118	104	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.6	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	3.4	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	6.94	6.73	6.8	6.7	6.72	6.62	6.55	6.45	6.6	6.5	6.47	6.37	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.75	36.81	35.81	36.74	36.08	37.2	36.14	37.35	36.21	37.12	36.34	37.14	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	μmol/L	3.39	3.06	3.36	2.8	3.23	3.06	3.71	3.55	3.55	3.23	3.39	3.23	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	μmol/L	0.283	0.261	0.328	0.276	0.326	0.283	0.456	0.435	0.435	0.413	0.413	0.391	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	μmol/L	3.8	3.69	3.62	3.32	3.69	3.64	4.01	3.9	4.27	4.16	4.27	4.11	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	μmol/L	BDL(MDL: 0.4)	BDL(MDL: 0.4)	1.26	1.16	1.05	BDL(MDL: 0.4)	1.58	1.37	1.16	BDL(MDL: 0.4)	1.16	1.05	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	μmol/L	7.473	7.011	7.308	6.396	7.246	6.983	8.176	7.885	8.255	7.803	8.073	7.731	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	μg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35460	36710	35190	35960	35210	35850	35490	36310	35410	36280	35480	36310	IS 3025(Part 16):2023
15.	COD	mg/L	20.2	16.2	12.1	8.1	16	12	20.1	16.1	24	20	20.4	16.3	IS 3025(Part 58):2023

Continue...

RESULTS OF MARINE WATER [M11 MPT T1 JETTY N 22°42'278" E 069°43'450"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTO M	SURFACE	BOTTO M	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTO M	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	2.8	2.7	2.7	2.6	2.6	2.7	2.5	2.6	2.6	2.7	2.7	2.8	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.6	1.5	2.7	1.6	2.5	1.5	2.4	1.4	2.3	1.3	2.4	1.2	
3.	Cell Count	No. x 10³/L	131	119	132	120	133	122	132	121	131	122	132	123	
4	Name of Group Number and name of group species of each group	--	Dinophy sis	Navicula	Odentell a	Cyclotell a	Cyclotell a	Surirella	Odentell a	Nitzschia	Odentell a	Nitzschia	Odentell a	Nitzschia	
			Pinnulari a	Skeleton ema	Rhizosol enia	Pinnulari a	Pinnulari a	Skeleton ema	Rhizosol enia	Pinnulari a	Rhizosol enia	Pinnulari a	Rhizosol enia	Pinnulari a	
			Thalassi othrix	Rhizosol enia	Coscinod iscus	Skeleton ema	Thalassi othrix	Rhizosol enia	Coscinod iscus	Odontell a	Coscinod iscus	Odontell a	Coscinod iscus	Odontell a	
			Gramma tophora	Dinophy sis	Gramma tophora	Thallassi osira	Rhizosol enia	Cyclotell a	Gramma tophora	Dinophy sis	Gramma tophora	Dinophy sis	Pleurosi gma	Dinophy sis	
			Ceratiu m	Thalassi onema	Thallassi osira	Thalassi onema	Ceratiu m	Thalassi onema	Thallassi osira	Surirella	Thallassi osira	Surirella	Thallassi osira	Surirella	

B															
Zooplankton															
1	Abudance(Populat ion)	noX103/ 100 m3	35		34		33		32		33		31		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Diploneis		Diploneis		Diploneis		Decapoda		Decapoda		Decapoda		
			Rhizosolenia		Rhizosolenia		Rhizosolenia		Copepods		Copepods		Oikoplura		
			Nitzschia		Nitzschia		Nitzschia		Crustacean Larvae		Crustacean Larvae		Crustacean Larvae		
			Thalassiothrix		Coscinodiscus		Coscinodiscus		Crustacean		Crustacean		Bivalve Larvae		
			Pleurosigma		Pleurosigma		Pleurosigma		Oikoplura		Oikoplura		Oikoplura		
3	Total Biomass	ml/100 m³	15.24		15.23		15.22		15.21		15.22		15.21		

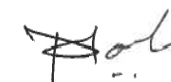
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RESULTS OF MARINE WATER [M11 MPT T1 JETTY N 22°42'278" E 069°43'450"]

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	232	234	236	235	234	234	234	234	234	234	234	234	APHA 24 th Ed.2023,9215 -C
2	Total Coliform	/100ml	42	41	42	41	42	41	42	41	42	41	41	41	APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	30	33	34	33	32	31	31	31	32	31	31	31	IS :15185:2016
4	Enterococcus	/100ml	12	11	12	11	12	11	12	11	12	11	11	11	IS:15186:200 2
5	Salmonella	/100ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	IS:15187:201 6
6	Shigella	/100ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	IS: 5887 (Part V):1976



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RESULTS OF MARINE WATER [M12 SPM N 22°40'938" E 069°39'191"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.21	8.03	8.12	7.95	8.26	8.09	8.21	8.05	8.24	8.08	8.19	8.04	IS 3025 (Part 11):2022
2.	Temperature	°C	30	29.9	29.8	29.7	29.7	29.6	29.6	29.5	29.7	29.6	29.8	29.7	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	122	90	110	88	114	90	138	110	132	118	126	104	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	2.7	BDL(MDL :1.0)	3.1	BDL(MDL :1.0)	2.9	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	2.9	BDL(MDL :1.0)	3.2	BDL(MDL :1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	7.04	6.84	6.9	6.8	6.82	6.72	6.75	6.65	6.81	6.71	6.66	6.57	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.72	36.58	35.62	36.54	35.94	36.82	36.08	37.21	36.14	37.02	36.25	37.14	By Calculation
7.	Oil & Grease	mg/L	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO ₃	µmol/L	2.74	2.42	3.45	2.8	3.39	3.23	3.55	3.39	3.87	3.71	3.71	3.55	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO ₂	µmol/L	0.413	0.37	0.345	0.276	0.348	0.326	0.413	0.37	0.478	0.456	0.37	0.348	APHA 24th Ed.2023,4500NO ₂ B
10.	Ammonical Nitrogen as NH ₃	µmol/L	3.9	3.8	3.28	3.1	3.59	3.53	4.06	3.9	4.27	4.16	4.22	4.16	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO ₄	µmol/L	1.37	1.16	1.16	1.05	1.26	1.16	1.26	BDL(MDL :0.4)	1.58	1.47	1.47	1.37	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	7.053	6.59	7.075	6.176	7.328	7.086	8.023	7.66	8.618	8.326	8.3	8.058	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35460	36140	35510	36140	35430	36100	35760	36420	35680	36450	35720	36520	IS 3025(Part 16):2023
15.	COD	mg/L	24.3	20.2	16.1	12.1	20	16	24.1	20.1	28	24	24.5	20.4	IS 3025(Part 58):2023

Continue...

RESULTS OF MARINE WATER [M12 SPM N 22°40'938" E 069°39'191"]

SR. NO.	TEST PARAMETERS	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	2.2	2.3	2.3	2.2	2.4	2.1	2.3	2.1	2.2	2.2	2.1	2.1	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	1.16	1.48	1.17	1.47	1.18	1.46	1.17	1.47	1.18	1.48	1.19	1.49	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	78	133	77	132	76	131	77	132	78	131	77	132	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	Ceratiu m	Melosira	Ceratiu m	Rhizosol enia	Surirella	Rhizosol enia	Skeleton ema	Odentell a	Skeleton ema	Odentell a	Skeleton ema	Odentell a	APHA (24th Ed. 2023)10200A-G
			Pinnulari a	Dinophy sis	Pinnulari a	Dinophy sis	Pinnulari a	Dinophy sis	Gramma tophora	Rhizosol enia	Gramma tophora	Rhizosol enia	Gramma tophora	Rhizosol enia	
			Odontell a	Skeleton ema	Odontell a	Skeleton ema	Gramma tophora	Skeleton ema	Nitzschia	Coscinod iscus	Nitzschia	Coscinod iscus	Nitzschia	Coscinod iscus	
			Thalassi othrix	Thallassi osira	Thalassi othrix	Thallassi osira	Thalassi othrix	Thallassi osira	Thalassi othrix	Gramma tophora	Thalassi othrix	Gramma tophora	Coscinod iscus	Pinnulari a	
			Thallassi osira	Thallassi onema	Thallassi osira	Melosira	Rhizosol enia	Melosira	Pleurosi gma	Thallassi osira	Pleurosi gma	Thallassi osira	Pleurosi gma	Thallassi osira	
B			Zooplankton												
1	Abudance (Populati on)	noX10 3/ 100 m3	72		73		72		71		72		71		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		Nitzschia		Nitzschia		Nitzschia		Copepods		Copepods		Copepods		
			Grammatophora		Grammatophora		Grammatophora		Oikoplura		Oikoplura		Oikoplura		
			Diploneis		Diploneis		Egg(Fish and Shrimps)		Crustacean Larvae		Crustacean Larvae		Crustacean Larvae		
			Thalassiothrix		Thalassiothrix		Thalassiothrix		Crustacean		Crustacean		Crustacean		
			Pleurosigma		Pleurosigma		Pleurosigma		Bivalve Larvae		Bivalve Larvae		Egg(Fish and Shrimps)		
3	Total Biomass	ml/100 m³	14.56		14.57		14.58		14.57		14.56		14.57		

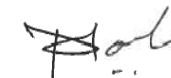
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RESULTS OF MARINE WATER [M12 SPM N 22°40'938" E 069°39'191"]

SR. NO	TEST PARAMETER S	UNIT	Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	256	51	260	262	264	266	APHA 24 th Ed.2023,9215 -C						
2	Total Coliform	/100ml	52	43	52	51	50	52	APHA 24thEd.2023, 9222-B						
3	E.coli	/100ml	42	33	41	40	41	40	IS :15185:2016						
4	Enterococcus	/100ml	32	Absent	34	33	34	33	IS:15186:2002						
5	Salmonella	/100ml	Absent	Absent	Absent	Absent	Absent	Absent	IS:15187:2016						
6	Shigella	/100ml	Absent	Absent	Absent	Absent	Absent	Absent	APHA 24thEd.2023, 9260-E						
7	Vibrio	/100ml	Absent	Absent	Absent	Absent	Absent	Absent	IS: 5887 (Part V):1976						



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Results of Ambient Air Quality Monitoring

Name of Location		West Port – West Basin Main Gate						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	03-10-2024	65.48	27.73	23.85	26.41	0.63	--	NOT DETECTED
2.	07-10-2024	68.42	28.53	24.63	28.48	0.62	3.89	NOT DETECTED
3.	10-10-2024	66.39	27.53	23.74	27.49	0.66	3.96	NOT DETECTED
4.	14-10-2024	70.46	31.23	24.91	28.52	0.72	4.12	NOT DETECTED
5.	17-10-2024	74.38	33.26	25.43	29.68	0.74	4.29	NOT DETECTED
6.	21-10-2024	72.49	30.84	24.8	28.63	0.69	4.15	NOT DETECTED
7.	24-10-2024	75.49	33.36	25.97	29.76	0.73	4.31	NOT DETECTED
8.	28-10-2024	73.12	31.39	25.11	28.88	0.67	4.24	NOT DETECTED
9.	31-10-2024	70.83	30.52	24.38	28.13	0.64	4.1	NOT DETECTED
10.	04-11-2024	74.26	31.61	23.83	27.11	0.68	4.16	NOT DETECTED
11.	07-11-2024	76.38	32.75	24.68	28.14	0.7	4.37	NOT DETECTED
12.	11-11-2024	71.53	31.38	25.47	29.73	0.67	4.24	NOT DETECTED
13.	14-11-2024	74.75	35.42	26.28	30.81	0.74	4.45	NOT DETECTED
14.	18-11-2024	76.21	37.15	27.89	31.37	0.76	4.61	NOT DETECTED
15.	21-11-2024	72.53	34.85	25.41	29.64	0.71	4.37	NOT DETECTED

Continue...

Name of Location		West Port – West Basin Main Gate						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	25-11-2024	75.17	36.14	26.19	30.32	0.75	4.49	NOT DETECTED
17.	28-11-2024	73.82	33.91	25.38	29.46	0.7	4.31	NOT DETECTED
18.	02-12-2024	76.37	34.15	26.49	30.37	0.77	4.36	NOT DETECTED
19.	05-12-2024	80.37	37.25	29.11	33.57	0.81	4.47	NOT DETECTED
20.	09-12-2024	74.82	32.69	25.36	29.15	0.74	4.32	NOT DETECTED
21.	12-12-2024	77.64	34.79	27.34	31.83	0.76	4.4	NOT DETECTED
22.	16-12-2024	82.36	36.28	30.19	34.1	0.83	4.54	NOT DETECTED
23.	19-12-2024	79.64	34.98	28.42	32.63	0.79	4.42	NOT DETECTED
24.	23-12-2024	81.27	37.46	29.38	33.26	0.81	4.6	NOT DETECTED
25.	26-12-2024	77.46	35.35	26.47	30.56	0.76	4.49	NOT DETECTED
26.	30-12-2024	80.41	36.77	28.16	32.73	0.78	4.56	NOT DETECTED
27.	02-01-2025	78.25	32.61	27.42	32.11	0.87	--	NOT DETECTED
28.	06-01-2025	73.41	29.83	24.79	29.53	0.93	3.84	NOT DETECTED
29.	09-01-2025	70.64	28.51	23.98	27.85	0.85	3.71	NOT DETECTED
30.	13-01-2025	72.92	29.43	24.75	29.41	0.97	3.64	NOT DETECTED

Continue...

Name of Location		West Port – West Basin Main Gate						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
31.	16-01-2025	76.56	31.78	26.42	31.26	0.9	3.8	NOT DETECTED
32.	20-01-2025	80.37	33.64	28.24	33.69	0.96	3.94	NOT DETECTED
33.	23-01-2025	75.81	30.48	26.77	31.53	0.91	3.72	NOT DETECTED
34.	27-01-2025	72.38	28.74	24.35	29.74	0.82	3.67	NOT DETECTED
35.	30-01-2025	74.63	31.26	26.19	31.87	0.87	3.77	NOT DETECTED
36.	03-02-2025	74.48	30.14	25.73	30.45	0.81	3.62	NOT DETECTED
37.	06-02-2025	77.85	33.65	27.24	32.83	0.78	3.76	NOT DETECTED
38.	10-02-2025	72.37	29.19	25.14	29.88	0.75	3.7	NOT DETECTED
39.	13-02-2025	75.94	31.42	26.84	31.27	0.82	3.8	NOT DETECTED
40.	17-02-2025	82.36	35.47	28.66	32.35	0.87	3.84	NOT DETECTED
41.	20-02-2025	80.16	34.13	26.58	31.17	0.8	3.76	NOT DETECTED
42.	24-02-2025	76.42	31.26	25.63	30.46	0.77	3.71	NOT DETECTED
43.	27-02-2025	79.64	33.75	26.19	31.27	0.87	3.82	NOT DETECTED
44.	03-03-2025	76.63	31.48	24.93	29.12	0.79	3.77	NOT DETECTED
45.	06-03-2025	79.16	32.73	25.38	30.64	0.84	3.84	NOT DETECTED

Continue...

Name of Location		West Port – West Basin Main Gate						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
46.	10-03-2025	74.36	29.83	23.69	27.94	0.72	3.7	NOT DETECTED
47.	13-03-2025	76.17	30.28	24.49	29.35	0.77	3.79	NOT DETECTED
48.	17-03-2025	80.81	34.56	26.31	31.28	0.81	3.83	NOT DETECTED
49.	20-03-2025	74.15	28.97	23.74	27.69	0.74	3.75	NOT DETECTED
50.	24-03-2025	77.58	30.21	25.84	30.26	0.78	3.81	NOT DETECTED
51.	27-03-2025	82.37	34.72	27.53	31.67	0.82	3.89	NOT DETECTED
52.	31-03-2025	79.16	31.63	26.48	29.88	0.75	3.72	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS – 5182, Part – 11



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		West Port – Horti Culture						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	03-10-2024	70.21	32.48	22.43	25.83	0.65	--	NOT DETECTED
2.	07-10-2024	68.75	31.24	22.81	26.12	0.67	2.62	NOT DETECTED
3.	10-10-2024	73.28	33.69	23.46	27.35	0.7	2.71	NOT DETECTED
4.	14-10-2024	76.47	34.61	24.38	28.61	0.73	2.79	NOT DETECTED
5.	17-10-2024	81.26	36.19	25.93	29.81	0.77	2.88	NOT DETECTED
6.	21-10-2024	78.64	35.82	24.63	28.58	0.75	2.8	NOT DETECTED
7.	24-10-2024	75.49	34.32	23.89	27.54	0.7	2.76	NOT DETECTED
8.	28-10-2024	77.64	35.29	24.36	28.29	0.73	2.86	NOT DETECTED
9.	31-10-2024	80.13	36.41	25.96	29.88	0.78	2.94	NOT DETECTED
10.	04-11-2024	78.53	35.21	25.15	29.32	0.73	2.71	NOT DETECTED
11.	07-11-2024	75.49	33.58	23.97	27.43	0.8	2.63	NOT DETECTED
12.	11-11-2024	77.84	34.92	25.41	28.64	0.7	2.75	NOT DETECTED
13.	14-11-2024	81.26	37.64	27.43	31.26	0.81	2.84	NOT DETECTED
14.	18-11-2024	84.63	39.16	28.24	32.1	0.83	2.96	NOT DETECTED
15.	21-11-2024	77.46	35.46	25.37	30.28	0.75	2.86	NOT DETECTED

Continue...

Name of Location		West Port – Horti Culture						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	25-11-2024	80.63	37.52	27.11	31.37	0.82	2.94	NOT DETECTED
17.	28-11-2024	78.15	35.46	26.08	30.82	0.77	2.83	NOT DETECTED
18.	02-12-2024	80.14	37.31	27.12	31.83	0.82	2.9	NOT DETECTED
19.	05-12-2024	83.27	38.94	28.65	33.26	0.87	3.12	NOT DETECTED
20.	09-12-2024	80.46	36.28	26.86	30.79	0.8	2.93	NOT DETECTED
21.	12-12-2024	78.19	34.25	25.14	30.21	0.77	2.84	NOT DETECTED
22.	16-12-2024	75.63	33.29	24.39	29.63	0.73	2.77	NOT DETECTED
23.	19-12-2024	80.72	36.42	26.37	31.91	0.82	2.82	NOT DETECTED
24.	23-12-2024	82.47	37.52	27.49	30.58	0.85	2.94	NOT DETECTED
25.	26-12-2024	79.64	35.13	26.55	30.61	0.78	2.81	NOT DETECTED
26.	30-12-2024	81.54	36.85	28.74	32.16	0.83	2.88	NOT DETECTED
27.	02-01-2025	82.48	39.31	28.46	33.17	0.87	--	NOT DETECTED
28.	06-01-2025	84.10	40.83	31.73	36.32	0.93	3.29	NOT DETECTED
29.	09-01-2025	80.47	37.28	27.35	32.47	0.84	3.18	NOT DETECTED
30.	13-01-2025	83.91	41.11	29.98	33.85	0.87	3.14	NOT DETECTED

Continue...

Name of Location		West Port – Horti Culture						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
31.	16-01-2025	78.64	35.83	26.41	31.36	0.81	2.94	NOT DETECTED
32.	20-01-2025	81.36	36.57	28.49	33.25	0.85	3.07	NOT DETECTED
33.	23-01-2025	84.36	38.87	31.75	36.47	0.90	3.19	NOT DETECTED
34.	27-01-2025	82.82	36.78	29.82	34.36	0.83	3.10	NOT DETECTED
35.	30-01-2025	79.94	34.53	27.46	33.54	0.78	2.97	NOT DETECTED
36.	03-02-2025	79.53	35.81	25.38	29.41	0.78	2.86	NOT DETECTED
37.	06-02-2025	82.45	37.47	28.18	32.46	0.83	2.94	NOT DETECTED
38.	10-02-2025	77.59	36.13	26.95	29.53	0.75	2.75	NOT DETECTED
39.	13-02-2025	80.65	40.63	27.47	31.26	0.81	2.82	NOT DETECTED
40.	17-02-2025	84.63	42.39	30.71	34.14	0.88	2.96	NOT DETECTED
41.	20-02-2025	82.38	41.72	29.14	33.18	0.84	2.88	NOT DETECTED
42.	24-02-2025	78.97	37.58	27.64	31.36	0.75	2.8	NOT DETECTED
43.	27-02-2025	81.46	39.13	28.47	31.52	0.79	2.86	NOT DETECTED
44.	03-03-2025	81.35	38.49	28.13	33.26	0.82	2.96	NOT DETECTED
45.	06-03-2025	76.48	35.71	26.84	31.53	0.73	2.82	NOT DETECTED

Continue...

Name of Location		West Port – Horti Culture						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
46.	10-03-2025	80.37	36.69	27.35	32.49	0.78	2.9	NOT DETECTED
47.	13-03-2025	83.15	39.46	30.17	35.03	0.85	3.1	NOT DETECTED
48.	17-03-2025	81.92	38.14	29.23	34.62	0.8	2.97	NOT DETECTED
49.	20-03-2025	78.46	35.24	27.57	32.14	0.75	2.81	NOT DETECTED
50.	24-03-2025	82.65	37.83	28.64	34.1	0.82	2.85	NOT DETECTED
51.	27-03-2025	84.59	40.15	30.61	35.73	0.87	2.94	NOT DETECTED
52.	31-03-2025	81.25	36.73	27.52	32.38	0.84	2.88	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS – 5182, Part – 11



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		WEST PORT - PMC OFFICE						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	03-10-2024	73.29	27.83	24.39	28.83	0.67	--	NOT DETECTED
2.	07-10-2024	76.12	29.73	25.36	29.53	0.72	3.62	NOT DETECTED
3.	10-10-2024	80.53	32.41	25.96	30.81	0.81	3.7	NOT DETECTED
4.	14-10-2024	74.38	28.47	24.38	29.11	0.7	3.78	NOT DETECTED
5.	17-10-2024	76.83	30.58	25.74	29.53	0.74	3.83	NOT DETECTED
6.	21-10-2024	82.36	33.67	26	30.85	0.81	4.03	NOT DETECTED
7.	24-10-2024	77.53	32.47	25.93	29.16	0.77	3.86	NOT DETECTED
8.	28-10-2024	75.91	29.87	24.63	28.94	0.71	3.73	NOT DETECTED
9.	31-10-2024	78.42	31.37	25.73	29.48	0.74	3.79	NOT DETECTED
10.	04-11-2024	77.52	30.63	24.15	29.24	0.76	3.87	NOT DETECTED
11.	07-11-2024	80.63	32.24	26.83	31.64	0.86	3.95	NOT DETECTED
12.	11-11-2024	82.37	34.19	28.42	33.64	0.91	4.16	NOT DETECTED
13.	14-11-2024	79.18	31.74	25.48	30.75	0.83	3.87	NOT DETECTED
14.	18-11-2024	83.48	33.91	27.98	32.75	0.88	3.98	NOT DETECTED
15.	21-11-2024	81.91	32.36	27.29	31.62	0.81	3.82	NOT DETECTED

Continue...

Name of Location		WEST PORT - PMC OFFICE						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	25-11-2024	78.46	31.65	26.17	30.89	0.78	3.75	NOT DETECTED
17.	28-11-2024	80.31	33.72	27.83	31.25	0.84	3.91	NOT DETECTED
18.	02-12-2024	82.71	35.62	28.13	32.83	0.87	3.86	NOT DETECTED
19.	05-12-2024	78.64	31.48	25.47	29.35	0.80	3.71	NOT DETECTED
20.	09-12-2024	80.36	33.25	27.13	31.36	0.83	3.77	NOT DETECTED
21.	12-12-2024	76.91	30.85	25.13	28.98	0.75	3.64	NOT DETECTED
22.	16-12-2024	79.42	32.63	26.95	30.25	0.79	3.74	NOT DETECTED
23.	19-12-2024	81.56	34.92	27.53	31.72	0.83	3.82	NOT DETECTED
24.	23-12-2024	84.13	37.1	29.71	34.15	0.86	3.87	NOT DETECTED
25.	26-12-2024	82.36	35.14	27.36	31.57	0.82	3.75	NOT DETECTED
26.	30-12-2024	84.29	36.82	29.68	33.84	0.87	3.89	NOT DETECTED
27.	02-01-2025	84.73	37.12	27.81	30.46	0.90	--	NOT DETECTED
28.	06-01-2025	81.64	35.75	25.58	29.43	0.84	3.85	NOT DETECTED
29.	09-01-2025	83.49	37.52	29.13	32.51	0.87	3.97	NOT DETECTED
30.	13-01-2025	77.36	33.93	24.82	28.39	0.77	3.47	NOT DETECTED

Continue...

Name of Location		WEST PORT - PMC OFFICE						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
31.	16-01-2025	80.13	34.84	25.69	30.18	0.81	3.59	NOT DETECTED
32.	20-01-2025	84.13	37.42	29.54	33.27	0.86	3.77	NOT DETECTED
33.	23-01-2025	82.46	36.35	26.41	30.64	0.78	3.52	NOT DETECTED
34.	27-01-2025	79.77	34.91	25.64	28.49	0.8	3.45	NOT DETECTED
35.	30-01-2025	82.57	35.64	27.12	31.78	0.85	3.62	NOT DETECTED
36.	03-02-2025	81.64	35.39	26.84	30.13	0.84	3.64	NOT DETECTED
37.	06-02-2025	84.38	38.92	29.32	32.65	0.91	3.78	NOT DETECTED
38.	10-02-2025	82.73	36.28	28.46	31.73	0.87	3.71	NOT DETECTED
39.	13-02-2025	78.48	34.52	25.89	29.62	0.79	3.6	NOT DETECTED
40.	17-02-2025	80.83	36.26	27.53	31.57	0.81	3.67	NOT DETECTED
41.	20-02-2025	82.47	37.1	28.17	31.82	0.9	3.75	NOT DETECTED
42.	24-02-2025	84.37	39.85	30.64	33.36	0.95	3.89	NOT DETECTED
43.	27-02-2025	81.29	37.42	29.31	32.59	0.92	3.81	NOT DETECTED
44.	03-03-2025	80.37	36.13	27.82	31.27	0.79	3.76	NOT DETECTED
45.	06-03-2025	82.48	37.83	28.51	33.06	0.85	3.83	NOT DETECTED

Continue...

Name of Location		WEST PORT - PMC OFFICE						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
46.	10-03-2025	78.93	35.19	25.32	29.51	0.77	3.71	NOT DETECTED
47.	13-03-2025	80.15	36.48	27.15	31.38	0.81	3.79	NOT DETECTED
48.	17-03-2025	82.38	37.85	28.49	31.17	0.86	3.88	NOT DETECTED
49.	20-03-2025	85.16	39.14	30.11	34.31	0.88	3.96	NOT DETECTED
50.	24-03-2025	79.12	35.41	26.89	30.62	0.8	3.81	NOT DETECTED
51.	27-03-2025	76.58	34.92	25.77	29.13	0.75	3.74	NOT DETECTED
52.	31-03-2025	80.71	36.47	27.36	31.25	0.82	3.85	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS - 5182, Part - 11



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		LPG Terminal Substation						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	03-10-2024	64.38	28.71	20.74	23.58	0.72	--	NOT DETECTED
2.	07-10-2024	67.63	29.78	21.32	25.2	0.76	3.73	NOT DETECTED
3.	10-10-2024	63.93	28.56	20.54	23.57	0.74	3.68	NOT DETECTED
4.	14-10-2024	66.48	30.46	21.26	24.47	0.75	3.7	NOT DETECTED
5.	17-10-2024	71.59	32.47	23.52	26.81	0.8	3.76	NOT DETECTED
6.	21-10-2024	74.36	33.64	24.43	27.56	0.83	3.81	NOT DETECTED
7.	24-10-2024	72.17	32.24	23.61	26.18	0.77	3.78	NOT DETECTED
8.	28-10-2024	76.59	34.68	24.88	27.36	0.81	3.86	NOT DETECTED
9.	31-10-2024	75.16	33.42	24.15	27.63	0.78	3.82	NOT DETECTED
10.	04-11-2024	72.46	30.78	22.37	26.15	0.8	3.79	NOT DETECTED
11.	07-11-2024	75.62	31.46	23.15	27.63	0.86	3.88	NOT DETECTED
12.	11-11-2024	78.82	33.46	25.83	29.37	0.82	3.91	NOT DETECTED
13.	14-11-2024	81.54	36.11	26.77	31.16	0.91	3.98	NOT DETECTED
14.	18-11-2024	76.49	34.51	25.63	29.38	0.88	3.82	NOT DETECTED
15.	21-11-2024	74.38	33.26	24.37	28.63	0.83	3.76	NOT DETECTED

Continue...

Name of Location		LPG Terminal Substation						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	25-11-2024	70.42	31.79	22.97	26.48	0.79	3.72	NOT DETECTED
17.	28-11-2024	73.28	33.91	24.12	29.38	0.84	3.81	NOT DETECTED
18.	02-12-2024	75.17	34.83	23.47	27.15	0.83	3.8	NOT DETECTED
19.	05-12-2024	78.45	36.11	24.13	28.38	0.89	3.93	NOT DETECTED
20.	09-12-2024	82.36	38.1	26.59	30.42	0.86	3.99	NOT DETECTED
21.	12-12-2024	77.82	35.71	23.94	27.54	0.8	3.86	NOT DETECTED
22.	16-12-2024	80.24	36.58	25.73	30.55	0.84	3.91	NOT DETECTED
23.	19-12-2024	83.91	38.25	27.19	31.27	0.91	3.96	NOT DETECTED
24.	23-12-2024	79.65	35.27	24.35	29.11	0.87	3.86	NOT DETECTED
25.	26-12-2024	75.17	33.48	23.92	27.31	0.77	3.78	NOT DETECTED
26.	30-12-2024	77.31	34.23	25.88	30.36	0.82	3.85	NOT DETECTED
27.	02-01-2025	81.52	35.13	28.36	31.84	1.00	--	NOT DETECTED
28.	06-01-2025	78.65	34.21	26.14	30.11	0.95	3.73	NOT DETECTED
29.	09-01-2025	75.49	31.48	25.73	28.57	0.89	3.67	NOT DETECTED
30.	13-01-2025	71.28	29.84	23.58	27.12	0.83	3.58	NOT DETECTED

Continue...

Name of Location		LPG Terminal Substation						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
31.	16-01-2025	74.84	31.56	24.79	27.8	0.88	3.64	NOT DETECTED
32.	20-01-2025	79.48	33.58	27.69	30.52	0.93	3.75	NOT DETECTED
33.	23-01-2025	76.17	31.79	25.37	28.46	0.85	3.69	NOT DETECTED
34.	27-01-2025	80.83	34.71	28.52	31.64	0.97	3.79	NOT DETECTED
35.	30-01-2025	74.38	32.1	25.32	28.56	0.90	3.72	NOT DETECTED
36.	03-02-2025	79.54	31.83	26.39	29.15	0.87	3.76	NOT DETECTED
37.	06-02-2025	75.37	30.13	24.68	27.27	0.81	3.8	NOT DETECTED
38.	10-02-2025	78.64	33.11	25.53	28.76	0.85	3.71	NOT DETECTED
39.	13-02-2025	71.26	28.63	23.91	26.48	0.79	3.67	NOT DETECTED
40.	17-02-2025	74.37	29.63	24.79	27.51	0.83	3.72	NOT DETECTED
41.	20-02-2025	68.54	28.42	23.57	27.11	0.78	3.68	NOT DETECTED
42.	24-02-2025	72.54	29.75	24.46	28.07	0.85	3.74	NOT DETECTED
43.	27-02-2025	75.82	30.54	26.91	29.64	0.89	3.81	NOT DETECTED
44.	03-03-2025	76.83	30.61	25.74	30.02	0.84	3.78	NOT DETECTED
45.	06-03-2025	80.42	34.37	28.64	32.45	0.9	3.84	NOT DETECTED
46.	10-03-2025	78.64	31.58	27.41	30.95	0.77	3.73	NOT DETECTED

Name of Location		LPG Terminal Substation						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
47.	13-03-2025	75.15	29.94	26.57	30.16	0.75	3.67	NOT DETECTED
48.	17-03-2025	81.37	33.52	28.85	32.36	0.86	3.79	NOT DETECTED
49.	20-03-2025	78.12	31.91	27.25	31.57	0.81	3.75	NOT DETECTED
50.	24-03-2025	69.84	29.35	24.98	29.32	0.75	3.7	NOT DETECTED
51.	27-03-2025	72.53	30.32	25.37	29.82	0.84	3.73	NOT DETECTED
52.	31-03-2025	76.42	32.56	27.21	31.75	0.89	3.8	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS - 5182, Part - 11



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	03-10-2024	58.51	16.85	11.73	14.12	NOT DETECTED
2.	07-10-2024	61.38	17.62	12.14	14.75	--
3.	10-10-2024	63.27	18.41	12.94	16.11	--
4.	14-10-2024	60.37	17.24	11.73	15.31	--
5.	17-10-2024	67.88	19.74	13.47	16.05	--
6.	21-10-2024	64.38	18.64	12.53	15.65	--
7.	24-10-2024	66.15	19.47	13.38	16.12	--
8.	28-10-2024	70.71	20.37	14.03	16.78	--
9.	31-10-2024	67.63	19.25	13.42	15.89	--
10.	04-11-2024	65.39	18.86	13.11	16.37	--
11.	07-11-2024	67.28	19.35	14.18	17.52	--
12.	11-11-2024	64.31	18.48	13.24	16.84	--
13.	14-11-2024	67.38	20.13	14.47	17.15	--
14.	18-11-2024	65.28	19.12	13.41	16.37	--
15.	21-11-2024	63.29	17.75	12.36	15.61	--

Continue...

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	25-11-2024	66.48	19.57	14.31	17.57	--
17.	28-11-2024	64.89	18.85	12.74	15.83	--
18.	02-12-2024	63.94	17.73	12.85	16.49	--
19.	05-12-2024	65.83	18.27	13.21	17.83	--
20.	09-12-2024	69.24	18.98	14.29	18.53	--
21.	12-12-2024	71.42	20.58	14.91	18.86	--
22.	16-12-2024	67.58	18.11	13.68	17.36	--
23.	19-12-2024	64.35	17.83	12.71	16.37	--
24.	23-12-2024	70.49	20.14	14.63	18.12	--
25.	26-12-2024	67.3	18.74	13.89	17.35	--
26.	30-12-2024	69.77	19.25	14.72	18.21	--
27.	02-01-2025	72.63	21.35	15.68	19.27	NOT DETECTED
28.	06-01-2025	75.49	22.61	16.13	20.53	--
29.	09-01-2025	68.57	20.53	14.38	18.62	--
30.	13-01-2025	70.52	21.47	15.29	19.88	--
31.	16-01-2025	65.48	18.79	13.65	17.31	--

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	20-01-2025	68.19	19.87	14.2	18.47	--
33.	23-01-2025	73.27	21.53	15.72	19.69	--
34.	27-01-2025	67.65	18.76	14.11	18.73	--
35.	30-01-2025	70.81	20.93	15.14	19.58	--
36.	03-02-2025	69.52	18.15	13.84	17.37	--
37.	06-02-2025	65.48	17.64	12.93	16.74	--
38.	10-02-2025	71.38	18.79	14.11	17.58	--
39.	13-02-2025	74.28	20.35	15.27	19.58	--
40.	17-02-2025	67.64	17.58	13.74	17.27	--
41.	20-02-2025	72.47	20.14	14.52	18.76	--
42.	24-02-2025	76.49	21	15.39	19.35	--
43.	27-02-2025	70.81	19.38	14.1	17.95	--
44.	03-03-2025	72.36	19.73	14.68	18.31	--
45.	06-03-2025	75.46	21.38	15.63	19.56	--
46.	10-03-2025	70.91	18.43	14.57	18.38	--
47.	13-03-2025	73.28	19.96	14.88	19.11	--

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	17-03-2025	76.49	21.85	16.12	20.53	--
49.	20-03-2025	72.37	20.18	15.75	19.64	--
50.	24-03-2025	68.56	18.74	14.65	18.27	--
51.	27-03-2025	72.93	22.01	15.28	19.69	--
52.	31-03-2025	70.24	20.58	14.97	18.63	--
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	03-10-2024	70.41	24.22	17.65	20.97	0.60	--	NOT DETECTED
2.	07-10-2024	72.38	24.95	18.06	22.24	0.63	3.68	NOT DETECTED
3.	10-10-2024	75.48	26.15	19.14	23.51	0.62	3.74	NOT DETECTED
4.	14-10-2024	78.74	28.45	19.88	23.93	0.67	3.79	NOT DETECTED
5.	17-10-2024	74.39	26.37	18.54	22.48	0.65	3.72	NOT DETECTED
6.	21-10-2024	76.59	27.79	19.36	23.41	0.68	3.81	NOT DETECTED
7.	24-10-2024	81.26	29.19	20.58	24.72	0.72	3.87	NOT DETECTED
8.	28-10-2024	77.64	28.37	19.93	23.32	0.67	3.80	NOT DETECTED
9.	31-10-2024	75.24	26.44	18.26	21.57	0.68	3.82	NOT DETECTED
10.	04-11-2024	76.29	26.83	19.14	23.31	0.69	3.78	NOT DETECTED
11.	07-11-2024	78.63	27.28	19.93	23.78	0.71	3.83	NOT DETECTED
12.	11-11-2024	80.64	28.13	20.58	24.63	0.76	3.89	NOT DETECTED
13.	14-11-2024	84.38	30.62	22.13	26.48	0.82	3.96	NOT DETECTED
14.	18-11-2024	82.47	29.63	21.15	25.24	0.78	3.91	NOT DETECTED
15.	21-11-2024	75.47	26.39	19.28	23.74	0.73	3.81	NOT DETECTED

Continue...

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	25-11-2024	79.75	27.48	20.26	24.35	0.79	3.90	NOT DETECTED
17.	28-11-2024	76.18	26.91	19.74	23.19	0.71	3.84	NOT DETECTED
18.	02-12-2024	78.16	27.53	21.87	25.43	0.74	3.81	NOT DETECTED
19.	05-12-2024	81.35	28.74	22.46	27.11	0.78	3.89	NOT DETECTED
20.	09-12-2024	83.29	30.61	23.75	27.94	0.84	3.97	NOT DETECTED
21.	12-12-2024	77.45	27.49	21.36	25.17	0.75	3.82	NOT DETECTED
22.	16-12-2024	75.47	26.89	20.07	24.58	0.72	3.76	NOT DETECTED
23.	19-12-2024	78.52	28.69	21.4	25.55	0.76	3.80	NOT DETECTED
24.	23-12-2024	81.48	31.34	23.63	27.19	0.81	3.85	NOT DETECTED
25.	26-12-2024	75.37	27.53	19.97	24.48	0.73	3.77	NOT DETECTED
26.	30-12-2024	77.19	28.32	20.41	26.13	0.77	3.82	NOT DETECTED
27.	02-01-2025	80.53	31.48	23.61	27.17	0.85	--	NOT DETECTED
28.	06-01-2025	76.49	28.53	22.28	25.83	0.77	3.87	NOT DETECTED
29.	09-01-2025	74.92	27.73	21.69	26.14	0.75	3.76	NOT DETECTED
30.	13-01-2025	78.59	29.17	23.42	27.26	0.80	3.92	NOT DETECTED
31.	16-01-2025	81.64	31.75	25.48	29.06	0.84	4.12	NOT DETECTED

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
32.	20-01-2025	84.38	33.51	26.3	30.64	0.87	4.18	NOT DETECTED
33.	23-01-2025	79.47	28.64	23.14	27.53	0.78	3.97	NOT DETECTED
34.	27-01-2025	82.37	31.78	24.57	28.49	0.84	4.07	NOT DETECTED
35.	30-01-2025	84.39	32.91	26.37	30.72	0.90	4.16	NOT DETECTED
36.	03-02-2025	83.16	32.75	26.38	31.29	0.91	3.97	NOT DETECTED
37.	06-02-2025	80.73	30.82	23.84	28.61	0.84	3.89	NOT DETECTED
38.	10-02-2025	82.37	31.58	24.14	29.46	0.81	3.84	NOT DETECTED
39.	13-02-2025	77.95	28.64	23.91	27.87	0.79	3.80	NOT DETECTED
40.	17-02-2025	81.38	32.16	25.12	30.45	0.85	3.94	NOT DETECTED
41.	20-02-2025	79.64	30.24	24.86	28.74	0.82	3.84	NOT DETECTED
42.	24-02-2025	84.63	34.85	26.57	31.65	0.90	3.92	NOT DETECTED
43.	27-02-2025	81.05	32.48	25.62	30.18	0.86	3.87	NOT DETECTED
44.	03-03-2025	80.91	30.83	28.13	32.46	0.85	4.13	NOT DETECTED
45.	06-03-2025	84.36	33.57	30.24	34.83	0.94	4.27	NOT DETECTED
46.	10-03-2025	78.37	29.96	28.74	33.15	0.81	4.03	NOT DETECTED
47.	13-03-2025	81.63	30.98	29.64	32.89	0.88	4.15	NOT DETECTED

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
48.	17-03-2025	83.29	34.57	31.51	35.64	0.92	4.23	NOT DETECTED
49.	20-03-2025	85.91	36.21	34.01	38.46	0.97	4.37	NOT DETECTED
50.	24-03-2025	81.63	34.79	30.27	34.68	0.84	4.20	NOT DETECTED
51.	27-03-2025	83.37	36.13	32.41	36.32	0.89	4.12	NOT DETECTED
52.	31-03-2025	84.89	32.42	33.56	37.54	0.85	4.26	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS – 5182, Part – 11



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		West Port – West Basin Main Gate					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		21-10-2024	21-11-2024	19-12-2024	20-01-2025	20-02-2025	20-03-2025
1	06:00 to 07:00	63.7	62.2	61.8	61.3	60.7	61.2
2	07:00 to 08:00	66.3	64.9	63.4	62.9	61.9	62.7
3	08:00 to 09:00	62.5	61.8	65.3	64.7	65.4	63.4
4	09:00 to 10:00	68.1	67.4	66.2	65.4	64.8	63.8
5	10:00 to 11:00	65.9	66.5	64.3	66.3	66.3	61.5
6	11:00 to 12:00	67.7	67.3	65.8	64.5	65.7	63.7
7	12:00 to 13:00	65.6	66.2	64.5	66.8	64.2	66.3
8	13:00 to 14:00	64.2	65.8	67.1	65.1	64.8	65.3
9	14:00 to 15:00	67.5	67.3	65.4	66.4	65.4	63.2
10	15:00 to 16:00	68.5	68.4	67.6	67.8	66.1	65.8
11	16:00 to 17:00	63.8	65.3	65.2	64.3	65.3	66.4
12	17:00 to 18:00	66.5	65.8	67.4	65.7	63.2	62.6
13	18:00 to 19:00	62.6	64.1	65.2	64.5	65.6	66.7
14	19:00 to 20:00	65.9	64.3	65.8	64.3	63.8	64.5
15	20:00 to 21:00	63.5	62.9	63.4	64.9	60.7	63.8
16	21:00 to 22:00	63.2	63.4	63.2	62.7	60.6	58.6
Day Time		<75 dB (A)					

Location Name		West Port – West Basin Main Gate					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		21-10-2024	21-11-2024	19-12-2024	20-01-2025	20-02-2025	20-03-2025
1	22:00 to 23:00	62.3	61.1	62.6	63.1	60.7	61.2
2	23:00 to 24:00	60.8	62.3	64.2	62.5	61.3	63.5
3	24:00 to 01:00	62.4	61.8	61.6	63.4	61.7	62.3
4	01:00 to 02:00	64.5	63.5	63.4	62.4	63.8	63.4
5	02:00 to 03:00	63.2	61.9	64.4	61.9	62.5	60.8
6	03:00 to 04:00	61.9	63.4	62.8	60.4	63.1	61.3
7	04:00 to 05:00	58.5	60.3	63.1	62.4	61.8	62.3
8	05:00 to 06:00	61.8	59.6	61.5	60.5	58.7	59.5
Night Time		<70 dB (A)					
Test Method		IS: 9989 : 1981					



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		West Port – Horti Culture					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		24-10-2024	25-11-2024	23-12-2024	23-01-2025	24-02-2025	24-03-2025
1	06:00 to 07:00	64.5	64.1	63.5	63.5	63.2	63.8
2	07:00 to 08:00	65.4	64.8	65.8	64.7	63.5	65.2
3	08:00 to 09:00	68.2	67.5	66.4	65.9	67.5	66.8
4	09:00 to 10:00	66.7	68.7	67.7	66.1	66.3	65.4
5	10:00 to 11:00	64.3	66.9	65.4	64.3	65.4	67.5
6	11:00 to 12:00	65.9	67.4	68.3	66.8	67.2	66.7
7	12:00 to 13:00	68.2	67.2	66.8	67.5	65.4	67.3
8	13:00 to 14:00	67.5	68.6	66.3	64.7	66.3	66.5
9	14:00 to 15:00	64.3	65.7	64.8	65.2	64.3	65.1
10	15:00 to 16:00	67.4	66.4	67.3	66.4	65.1	64.8
11	16:00 to 17:00	67.1	68.3	65.4	65.7	63.4	64.7
12	17:00 to 18:00	64.8	66.4	65.3	66.3	65.8	65.1
13	18:00 to 19:00	66.5	65.3	64.3	65.4	64.1	63.2
14	19:00 to 20:00	64.8	62.8	64.7	62.7	64.6	62.9
15	20:00 to 21:00	61.3	64.5	63.2	62.4	63.8	64.7
16	21:00 to 22:00	61.8	62.1	64.1	63.6	61.7	60.5
Day Time		<75 dB (A)					

Location Name		West Port – Horti Culture					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time					
		24-10-2024	25-11-2024	23-12-2024	23-01-2025	24-02-2025	24-03-2025
1	22:00 to 23:00	61.8	59.3	60.4	62.8	62.5	63.1
2	23:00 to 24:00	63.4	60.7	61.3	64.8	63.8	62.3
3	24:00 to 01:00	65.7	64.3	63.5	62.4	64.2	63.4
4	01:00 to 02:00	63.4	65.1	65.5	64.8	62.4	62.8
5	02:00 to 03:00	64.8	63.2	62.8	64.2	64.5	63.5
6	03:00 to 04:00	63.2	64.8	63.4	63.8	62.3	63.4
7	04:00 to 05:00	61.4	62.1	61.3	63.1	63.7	61.3
8	05:00 to 06:00	62.3	61.4	59.9	61.7	61.2	59.7
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Nikunj D. Patel
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Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		WEST PORT - PMC OFFICE					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		28-10-2024	28-11-2024	26-12-2024	27-01-2025	27-02-2025	27-03-2025
1	06:00 to 07:00	62.4	61.8	61.4	59.2	57.8	58.4
2	07:00 to 08:00	64.3	62.4	63.5	60.5	61.4	60.5
3	08:00 to 09:00	67.4	64.3	63.9	61.4	63.2	64.2
4	09:00 to 10:00	68.8	65.8	64.3	65.8	62.8	64.7
5	10:00 to 11:00	66.5	67.8	65.3	62.5	64.7	66.2
6	11:00 to 12:00	68.2	64.1	66.7	64.7	65.8	65.3
7	12:00 to 13:00	69.3	68.7	65.4	65.4	64.2	66.4
8	13:00 to 14:00	68.5	65.3	67.3	66.3	65.7	64.3
9	14:00 to 15:00	67.4	68.9	66.5	66.7	66.4	65.9
10	15:00 to 16:00	65.3	64.6	68.2	64.6	64.2	65.3
11	16:00 to 17:00	65.5	66.9	65.4	68.2	61.3	63.1
12	17:00 to 18:00	65.7	64.3	66.7	64.5	63.3	64.5
13	18:00 to 19:00	67.2	63.6	65.4	63.2	62.7	64.8
14	19:00 to 20:00	64.9	65.7	63.2	65.9	62.3	60.8
15	20:00 to 21:00	63.9	64.1	65.1	64.7	59.3	62.3
16	21:00 to 22:00	62.5	64.3	63.5	61.4	58.1	59.2
Day Time		<75 dB (A)					

Location Name		WEST PORT - PMC OFFICE					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time					
		28-10-2024	28-11-2024	26-12-2024	27-01-2025	27-02-2025	27-03-2025
1	22:00 to 23:00	61.3	61.8	62.2	60.3	61.3	61.8
2	23:00 to 24:00	60.5	62.4	63.6	62.4	60.9	62.3
3	24:00 to 01:00	60.8	61.5	64.1	63.5	61.5	60.5
4	01:00 to 02:00	62.5	63.8	62.3	61.3	61.8	63.4
5	02:00 to 03:00	63.8	62.4	64.3	63.4	63.2	62.5
6	03:00 to 04:00	60.4	61.9	60.8	62.5	60.7	60.2
7	04:00 to 05:00	62.4	61.2	63.4	61.8	59.4	60.7
8	05:00 to 06:00	58.7	59.1	61.7	62.4	61.6	60.2
Day Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		LPG Terminal Substation					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		17-10-2024	18-11-2024	16-12-2024	16-01-2025	17-02-2025	17-03-2025
1	06:00 to 07:00	64.2	63.5	63.4	62.8	63.1	63.4
2	07:00 to 08:00	63.8	62.8	65.1	66.3	62.5	63.2
3	08:00 to 09:00	66.7	64.5	63.7	65.3	63.8	64.5
4	09:00 to 10:00	65.2	67.1	65.5	65.8	66.6	65.2
5	10:00 to 11:00	67.1	68.4	67.1	65.3	64.5	65.8
6	11:00 to 12:00	65.8	66.5	65.4	66.2	66.3	65.4
7	12:00 to 13:00	64.5	67.8	66.7	65.4	65.7	64.5
8	13:00 to 14:00	67.3	66.3	65.7	67.4	65.3	66.8
9	14:00 to 15:00	66.8	65.7	64.5	64.7	65.8	64.5
10	15:00 to 16:00	63.1	65.1	63.2	64.3	67.2	67.1
11	16:00 to 17:00	65.8	62.8	64.5	65.7	66.4	65.6
12	17:00 to 18:00	68.1	64.9	66.7	66.2	64.7	64.3
13	18:00 to 19:00	64.8	65.8	67.2	65.7	63.9	64.2
14	19:00 to 20:00	65.3	66.1	65.4	65.3	66.4	65.7
15	20:00 to 21:00	63.9	65.2	63.2	62.8	63.2	62.3
16	21:00 to 22:00	62.3	62.7	61.9	61.2	63.3	61.8
Day Time		<75 dB (A)					

Location Name		LPG Terminal Substation					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		17-10-2024	18-11-2024	16-12-2024	16-01-2025	17-02-2025	17-03-2025
1	22:00 to 23:00	59.8	60.5	63.3	62.5	63.1	61.8
2	23:00 to 24:00	61.9	59.5	61.3	63.7	62.5	61.3
3	24:00 to 01:00	60.8	60.4	62.8	61.8	63.2	63.4
4	01:00 to 02:00	62.4	61.3	64.5	63.5	64.5	64.5
5	02:00 to 03:00	63.7	62.6	63.8	64.5	63.1	62.8
6	03:00 to 04:00	61.3	61.5	61.3	64.3	61.8	60.5
7	04:00 to 05:00	60.3	61.8	62.4	63.2	63.7	61.3
8	05:00 to 06:00	58.3	59.4	60.7	61.7	61.3	60.8
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		Adani Guest House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		16-10-2024	23-11-2024	18-12-2024	18-01-2025	18-02-2025	14-03-2025
1	06:00 to 07:00	61.6	61.2	59.8	57.5	58.8	57.5
2	07:00 to 08:00	63.8	62.8	60.7	59.3	61.3	59.4
3	08:00 to 09:00	64.9	63.7	62.4	61.3	60.4	60.3
4	09:00 to 10:00	63.4	65.7	67.5	60.8	59.7	62.4
5	10:00 to 11:00	62.1	63.8	64.3	62.4	64.7	63.7
6	11:00 to 12:00	64.5	65.9	66.2	65.7	63.5	64.8
7	12:00 to 13:00	64.7	66.4	64.8	64.3	62.3	64.2
8	13:00 to 14:00	62.8	63.8	65.7	65.8	64.8	65.7
9	14:00 to 15:00	65.4	64.2	62.6	61.4	63.8	64.5
10	15:00 to 16:00	64.8	64.3	65.1	64.2	66.1	66.6
11	16:00 to 17:00	63.9	65.1	64.3	65.7	64.5	65.8
12	17:00 to 18:00	63.6	64.2	63.9	62.7	64.7	66.3
13	18:00 to 19:00	64.7	62.8	65.2	64.3	65.3	64.1
14	19:00 to 20:00	62.8	63.8	61.7	60.8	63.7	64.5
15	20:00 to 21:00	60.2	61.3	60.8	61.4	60.8	62.3
16	21:00 to 22:00	59.9	58.6	59.4	58.7	58.2	58.3
Day Time		<75 dB (A)					

Location Name		Adani Guest House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		16-10-2024	23-11-2024	18-12-2024	18-01-2025	18-02-2025	14-03-2025
1	22:00 to 23:00	58.8	57.3	57.6	57.2	57.6	58.3
2	23:00 to 24:00	59.4	59.1	58.4	57.8	58.2	59.1
3	24:00 to 01:00	64.3	60.5	63.2	59.4	60.4	59.5
4	01:00 to 02:00	62.3	62.4	60.5	61.1	59.4	62.3
5	02:00 to 03:00	63.6	61.8	62.4	63.6	61.3	60.6
6	03:00 to 04:00	61.2	60.3	61.8	60.5	62.3	59.7
7	04:00 to 05:00	60.5	61.8	62.3	61.3	60.7	61.2
8	05:00 to 06:00	58.3	58.2	59.2	58.7	57.9	58.5
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		CT-4 RMU-2					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		19-10-2024	26-11-2024	21-12-2024	21-01-2025	22-02-2025	18-03-2025
1	06:00 to 07:00	62.3	62.6	64.1	63.8	63.2	63.1
2	07:00 to 08:00	64.5	61.9	64.3	65.4	66.2	64.5
3	08:00 to 09:00	65.4	63.5	62.8	66.8	64.8	65.7
4	09:00 to 10:00	66.1	64.8	65.6	64.8	65.7	65.3
5	10:00 to 11:00	64.7	67.5	67.8	65.2	67.4	66.2
6	11:00 to 12:00	65.6	67.3	65.4	67.8	67.2	66.5
7	12:00 to 13:00	66.2	68.4	67.5	67.2	65.4	67.4
8	13:00 to 14:00	67.2	64.2	66.9	66.4	65.7	66.2
9	14:00 to 15:00	65.4	65.7	64.3	65.8	63.4	64.9
10	15:00 to 16:00	66.9	68.4	66.9	65.7	65.1	65.7
11	16:00 to 17:00	65.4	66.7	65.2	67.3	66.8	66.2
12	17:00 to 18:00	66.2	64.3	66.4	65.9	66.2	65.4
13	18:00 to 19:00	64.3	65.8	67.8	65.2	63.5	65.2
14	19:00 to 20:00	64.7	62.6	64.3	63.5	64.5	62.4
15	20:00 to 21:00	63.5	65.3	62.8	64.1	63.4	64.5
16	21:00 to 22:00	63.1	62.9	63.1	61.5	62.6	61.8
Day Time		<75 dB (A)					

Location Name		CT-4 RMU-2					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		19-10-2024	26-11-2024	21-12-2024	21-01-2025	22-02-2025	18-03-2025
1	22:00 to 23:00	62.3	61.9	61.3	62.5	61.8	61.5
2	23:00 to 24:00	63.5	64.2	63.2	62.4	63.6	63.2
3	24:00 to 01:00	66.4	64.8	61.8	63.7	64.7	63.9
4	01:00 to 02:00	64.3	65.1	64.7	62.5	63.2	64.7
5	02:00 to 03:00	65.8	63.8	62.7	64.5	62.8	64.2
6	03:00 to 04:00	64.3	62.7	63.5	63.1	63.5	62.4
7	04:00 to 05:00	62.1	63.4	61.3	60.8	61.5	60.5
8	05:00 to 06:00	61.5	61.5	60.4	61.4	61.1	60.8
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Stack Monitoring

Sr. No.	Parameter	Unit	Mar – 2025		GPCB LIMIT	Method of Test
			D.G.Set No. S-1 (1500 KVA)	D.G.Set No. S-2 (1500 KVA)		
			27-03-2025	27-03-2025		
1	Particulate Matter	mg/Nm ³	23.71	25.11	150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	18.75	18.21	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	27.42	24.74	50	IS 11255 (Part - 7)



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Sr. No.	Parameter	Unit	Mar-25	GPCB LIMIT	Method of Test
			D.G. Set-1 (2000 KVA)		
			27-03-2025		
1	Particulate Matter	mg/Nm3	32.11	150	IS 11255 (Part - 1)
2	Sulphur Dioxide	ppm	14.32	100	IS 11255 (Part - 2)
3	Oxide of Nitrogen	ppm	27.5	50	IS 11255 (Part - 7)
4	Carbon Monoxide	mg/Nm3	4.8	--	UERL/AIR/SOP/18
5	Non Methyl Hydro Carbon	ppm	Not Detected	--	UERL/AIR/SOP/27



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Minimum Detection Limit			
Ambient Air Quality Monitoring			
Sr. No.	Test Parameter	Unit	MDL
1	Particulate Matter (PM10)	µg/m ³	5 µg/m ³
2	Particulate Matter (PM10)	µg/m ³	5 µg/m ³
3	Sulphur Dioxide (SO ₂)	µg/m ³	4 µg/m ³
4	Nitrogen Dioxide (NO ₂)	µg/m ³	5 µg/m ³
5	Carbon Monoxide (CO)	mg/m ³	0.01 mg/m ³
6	Ammonia (NH ₃)	µg/m ³	5 µg/m ³
7	Ozone (O ₃)	µg/m ³	5 µg/m ³
8	Lead (Pb)	µg/m ³	0.5 µg/m ³
9	Nickle (Ni)	ng/m ³	1 ng/m ³
10	Arsenic (As)	ng/m ³	1 ng/m ³
11	Benzene	µg/m ³	1µg/m ³
12	Benzo(o)Pyrene	ng/m ³	0.1 ng/m ³
14	Hydro Carbon	µg/m ³	1 µg/m ³
Stack Emission Monitoring			
Sr. No.	Test Parameter	Unit	MDL
1	Suspended particulate matter	mg/Nm ³	2 mg/Nm ³
2	Sulphur Dioxide SOX	mg/Nm ³	4 mg/Nm ³
3	Oxides of Nitrogen NOX	mg/Nm ³	5 mg/Nm ³

STP Outlet			
Sr. No.	Test Parameter	Unit	MDL
1	pH @ 25 ° C	--	2
2	Total Suspended Solids	mg/L	4
3	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	1
4	Residual chlorine	mg/L	0.1
5	Fecal Coliform	MPN/100	<2

ETP Outlet			
Sr. No.	Test Parameter	Unit	MDL
1	Colour	Pt. Co. Scale	5
2	pH @ 27 ° C	--	2
3	Temperature	0c	5
4	Total Suspended Solids	mg/L	4
5	Total Dissolved Solids	mg/L	4
6	COD	mg/L	2
7	BOD (3 days at 27 °C)	mg/L	1
8	Chloride (as Cl) -	mg/L	1
9	Oil & Grease	mg/L	4
10	Sulphate (as SO ₄)	mg/L	1
11	Ammonical Nitrogen	mg/L	5
12	Phenolic Compound	mg/L	0.1
13	Copper as Cu	mg/L	0.05
14	Lead as Pb	mg/L	0.01
15	Sulphide as S	mg/L	0.05
16	Cadmium as Cd	mg/L	0.003
17	Fluoride as F	mg/L	0.2
18	Residual Chlorine	mg/L	0.1
19	Percent Sodium	%	--
20	Sodium Absorption ratio	--	--

Environment Statement for 2024-25 for M/s Adani Ports & SEZ Limited (WFDP-West Port)

(PCB ID: 35427)

**ANNEXURE – 3
Waste Disposal Details, APSEZ, Mundra**

Sr. No.	Waste Description	Disposal Method	Unit	Quantity 2023-24	Quantity 2024-25
Non-Hazardous:					
1.	Dry Waste (Recyclable waste- Metal, Wood, paper, plastic etc.)	Recycle (send to reg. recycler)/ Reuse (Used by Org.)	MT	3312.775	4274.89
2.	RDF (Non-Recyclable)	Co-processing at cement plant	MT	451.28	337.3
3.	STP Sludge	Reprocess (Manure)	MT	3	NIL
4.	Organic Waste (included food waste)	Reprocess & Recovery Manure/biogas	MT	959.35	1101.12
5.	E-Waste	Recycle (send to reg. recycler)	MT	44.83	28.08
6.	Battery Waste	Recycle (send to reg. recycler)	MT	19.89	3.04
Hazardous:					
1.	Oily Cotton Waste:	Co-processing/Incineration	MT	11.270	17.74
2.	Used Oil:	Recycle (send to recycler)	MT	46.652	36.85
3.	Discarded Containers:	Recycle (send to recycler)	MT	NIL	NIL

Environment Statement for 2024-25 for M/s Adani Ports & SEZ Limited (WFDP-West Port)

(PCB ID: 35427)

ANNEXURE - 4

**Cost of Environmental Protection Measures of APSEZ, Mundra
F.Y. 2024-25**

Sr. No.	Activity	Cost incurred (INR in Lacs)		Budgeted Cost (INR in Lacs)
		2023 - 24	2024 - 25	2024 - 25
1.	Environmental Study / Audit and Consultancy	22.67	40.46	27
2.	Legal & Statutory Expenses	8.60	17.37	13
3.	Environmental Monitoring Services	13.37	17.27	19.20
4.	Hazardous / Non-Hazardous Waste Management & Disposal	130.11	122.46	172.40
5.	Environment Days Celebration and Advertisement / Business development	3.42	1.85	4.00
6.	Treatment and Disposal of Bio-Medical Waste	2.28	2.39	2.28
7.	Mangrove Plantation, Monitoring & Conservation	15	0	0
8.	Other Horticulture Expenses	904	570	831
9.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	186.94	164.31	195.41
10.	Expenditure of Environment Dept. (Apart from above head)	80.39	93.40	75.92
Total		1366.78	1029.51	1340.21