



DAHEJ SEZ LIMITED

(A Joint Venture of GIDC & ONGC)
Office of Dahej SEZ Limited, Dahej SEZ Part-1,
At & Post - Dahej, Ta -Vagra, Dist - Bharuch (Gujarat)
E-mail: am@dahejsez.com / info@dahejsez.com
Website : www.dahejsez.com, CIN - U45209GJ2004PLC044779



Ref: DSL/Agency/Environmental Clearance/270

Date: 12/12/2024

To

Deputy Director General of Forests (C)

Ministry of Environment, Forest & Climate Change

Integrated Regional Office

Integrated Regional Office, Gandhi Nagar A wing- 407 & 409,

Aranya Bhawan, Near CH-3 Circle, Sector-10A, Gandhi Nagar-382010

Sub: Submission of Half Yearly compliance report (Period: April 2024 - September 2024) of Environment Clearance (EC) & Coastal Regulation Zone (CRZ) Clearance obtained for Development of M/s. Dahej SEZ Limited (SPV of GIDC & ONGC) located at Tal. Vagra, District Bharuch, Gujarat.

**Ref: 1. Environment Clearance letter no. 21-1084/2007-IA.III dated 17th March 2010
2. CRZ Clearance letter no. F. No. 11-50/2011-IA.II dated 19th September 2014**

Dear Sir,

The above referred Environment Clearance (EC) and Coastal Regulation Zone (CRZ) clearance were granted to M/s. Dahej SEZ Limited located at Taluka Vagra, District Bharuch under the EIA Notification – 2006 and CRZ Notification – 2011 respectively.

Half yearly compliance reports (Period: **April 2024 - September 2024**) for Environment Clearance (EC) and Coastal Regulation Zone (CRZ) clearance obtained for Development of M/s. Dahej SEZ Limited is enclosed for your kind consideration.

We hope that our submission is in line with the EC and CRZ compliance submission.

In light of above facts, we request your kind self to consider our submission favorably and do the needful & oblige.

Thanking you.

Yours Faithfully

For **DAHEJ SEZ LIMITED**

(AUTHORIZED SIGNATORY)

Encl.: a/a



Report on Compliances to Environment Clearance

April 2024 to September 2024

For

M/s. Dahej SEZ Limited
(Joint Venture of GIDC & ONGC)

Located At

Village: Dahej, Taluka: Vagra, District Bharuch

Registered Office:

Block No. 14th, 3rd Floor, Udyog Bhavan, Gandhinagar – 382017, Gujarat

[EC Letter No: F. NO. 21-1084/2007-IA.III Dated: 17.03.2010]

[Period: April 2024 - September 2024]



Applicant

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Gandhinagar – 382017, Gujarat
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Tel No: +91-079-23241590, 29750838

Report Prepared by

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M/S. DAHEJ SEZ LIMITED
SIX MONTHLY REPORT (PERIOD: APRIL 2024 TO SEPTEMBER 2024)

INTRODUCTION

M/s. Dahej SEZ Limited (DSL) is a company registered under the companies' act, 1956 and is promoted jointly by Gujarat industrial development corporation (GIDC) and Oil & Natural Gas Corporation (ONGC) for development of Special Economic Zone (SEZ). DSL is developing a Multi-Product SEZ at Dahej in Vagra Taluka of Bharuch district in Gujarat, India.

M/s. Dahej SEZ Ltd. has obtained EC from MoEF&CC vide letter no. F. No. 21-1084/2007-IA.III dated 17th March 2010 and CC&A from GPCB vide order no. AWH-138034, valid up to 04.08.2029.

Dahej SEZ is located in Vagra Taluka of western part of Bharuch District, Gujarat, India. It is well connected with National Highway (NH-8). Road and Railway both are having the connectivity to New Delhi, the National Capital and Mumbai, the commercial Capital of India. SEZ is a part of Dahej Petroleum, Chemicals and Petrochemicals Investment Region (PCPIR).

As per EC clearance (letter no: F.No.21-1084/2007-IA.III dated 17th March 2010 issued by MoEF&CC) condition no. 12, it is mandatory to submit six monthly compliance report to Region Office Bhopal.

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DATA SHEET

1. Project type: River-Valley / Mining / Industry : **Development of Special Economic Zone (SEZ)**
/ Thermal / Nuclear, Other (specify)
2. Name of the project : **M/s. Dahej SEZ Limited**
3. Clearance letter (s) O M No and date : **F. No. 21-1084/2007-IA.III dated 17th March, 2010**
4. Location
- a. District : **Bharuch**
- b. State : **Gujarat**
- c. Latitude / Longitude : **Latitude: 21°42'39.80"N**
Longitude: 72°36'25.86"E
5. Address for correspondence
- a. Address of concerned project Chief engineer (with pin code & telephone / telex/fax number) : **Chief Executive Officer**
M/s. Dahej SEZ Limited
Block No. 14th, 3rd Floor, Udyog Bhavan,
Gandhinagar – 382017, Gujarat
Phone – +91-079-23241590, 29750838
- b. Address of Executive project engineer /Manager (with pin code /fax numbers) : **As Above**
6. Salient features
- a. of the project : **SEZ Development Area**
- b. of the environmental management plans : **Adequate environmental safeguards have been incorporated in EMPs, which were submitted to the Ministry during grant of the EC.**
7. Breakup of the project area : **Total plot area of the project is 1682.6540 ha. (ten.)**

S. No.	Particulars	Area (ha.) (ten.)
1.	Industrial Plots in Processing Area	1335.79
2.	Plots in Non-processing Area	25.28
3.	Roads	85.21
4.	Corridor/Service/Green belt	167.56
5.	Common Plots	25.87
Total		1639.71

- a. Submergence area: forest & non forest : **NIL**

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b. Others : **NIL**

8. Breakup of the project affected population with enumeration of those losing houses/dwelling units only agriculture land only, both dwelling units and agricultural land & landless laborers / artisan

a. SC.ST / Adivasis : **NIL**

b. Others : **NIL**

9. Financial details

a. Project cost as originally planned & subsequent revised estimates and the year of price reference : **Project cost originally planned: 943 Cr. & Revised cost: 1069.54 Cr. (Till September- 2024)**

b. Allocation made for environmental management plans with item-wise & year wise break up : **Allocation made for Environmental management plan is attached as under.**

S. No.	Head of Expenses	Expenditure (Rs. in Lakhs)	
		2023	2024
1.	Effluent Treatment Facility	4.27	4.37
2.	Green belt development	58.52	77.97
3.	Environment Audit & Monitoring	7.92	9.65
Total		70.71	91.99

c. Benefit cost ratio/internal rate of return and the year of assessment : ----

d. Whether includes the total cost of environmental management as shown in the above : **YES**

e. Actual expenditure incurred on the Environmental management plan so far : **Rs. 11,26,260 Lakhs**

10. Forest Land requirement **NOT APPLICABLE (THE LAND IS ACQUIRED AND ALLOTTED BY GIDC)**

a. The status of approval for diversion of forest land and non-forestry use : ----

b. The status of clearing falling : ----

c. The status of compensatory afforestation, if any : ----

d. Comments on the viability and sustainability of compensatory : ----

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afforestation program in the light of actual field experience so far

11. The status of clear falling in non-areas (much as submergence area of reservoir, approach roads), if any with quantitative information : **NOT APPLICABLE**
12. The status of construction
 - a. Date of commencement (actual and/ or planned) : **03/03/2008**
 - b. Date of completion (actual and/or planned) : **01/01/2009**
13. Reasons for the delay if the project is yet to start : **Facility is operational since the year 2009**
14. Dates of site visits
 - a. The dates on which the project was monitored by the Regional office on previous occasion, if any : **Site is not visited.**
 - b. Date of site visit for this monitoring report : **---**
15. Details of correspondence with project authorities for obtaining act on plans/ information on status of compliance to safeguards other than the routine letters for logistic support for site visits : **Last Six-Monthly report was submitted by mail July 2024**

(The first manufacturing report may contain the details of all the letters issued so far, but the latest reports may cover only the letters issued subsequently)

COMPLIANCE TO CONDITIONS STIPULATED IN ENVIRONMENT CLEARANCE

M/S. DAHEJ SEZ LIMITED**SIX MONTHLY REPORT (PERIOD: APRIL 2024 TO SEPTEMBER 2024)**

S. No.	Conditions	Compliance status
PART A – SPECIFIC CONDITIONS		
I. Construction Phase		
(i)	“Consent for establishment” shall be obtained from Gujarat Pollution Control Board under Air and Water Act and a copy shall be submitted to the ministry before start of any construction work at the site.	Complied. M/s. Dahej SEZ Limited (DSL) has already obtained the Consent to Establish (CTE) vide letter no. GPCB/BRCH/NOC-3633/27240 dated 22.09.2008 and unit is already having the valid Consent to Operate (CTO/CC&A) vide order no. AWH-104709 letter no. GPCB/BRCH-B/CCA-125(2)/ID-25308/551863 dated 21.01.2020, valid up to 04.08.2024. Copy of the CTO is enclosed here as Annexure-1 .
(ii)	The area falling under CRZ shall be kept open and no activity shall be carried out. A separate clearance shall be obtained from MoEF under the provisions of CRZ Notification, 1991 as amended from time by Govt. of India prior to any development/construction activity at site.	Complied. M/s. DSL has kept the area open falling under CRZ and no activity shall be carried out into the area falls under the CRZ purview. Moreover, separate CRZ clearance is also obtained vide letter no. 11-50/2011-IA.III dated 19.09.2014 and the copy of the same is enclosed as Annexure-2 .
(iii)	All the commitments made during the meeting held on 25th – 28th February 2008, 16th – 18th July, 2008, 29th – 30 th September, 2008 23rd – 24th November, 2009 and 27th – 29th January, 2010 and the details submitted vide letters dated 13.06.2008, 04.09.2008, 26.09.2008, 13.10.2008, 14.10.2008, 12.11.2008, 23.04.2009, 01.05.2009, 26.05.2009, 03.07.2009, 16.07.2009, 31.07.2009, 27.10.2009, 11.11.2009, 11.01.2010, 20.01.2010, 28.01.2010 and 30.01.2010 shall be strictly complied with.	Being complied. M/s. DSL is complying with all the commitments from DSL authority and suggestions by committee given during the said meetings.
(iv)	The project proponent shall exclude the portion of the plot area allotted to units which fall under CRZ area and no approval shall be them without obtaining prior CRZ/Environmental Clearance	Noted & Agreed. M/s. DSL has excluded the portion of the plot area allotted to units, which falls under the CRZ area and no activities are permitted without obtaining CRZ clearance.
(v)	Fresh demarcation of HTL / LTL lines and CRZ area shall be undertaken through one of the authorized agencies identified by the MoEF shall be undertaken.	Complied. The demarcation of HTL/LTL lines and CRZ area was carried by Institute of Remote Sensing, Anna University, Chennai.

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(vi)	Separate CRZ Clearance shall be obtained by M/s. Dahej SEZ Ltd. For the area falling under CRZ.	Complied. M/s. DSL has already obtained separate CRZ clearance vide letter no. 11-50/2011-IA.III dated 19/09/2014 for the area falling under CRZ and the same is enclosed as Annexure-2 .
(vii)	M/s. Dahej SEZ Ltd. Shall issue directions to all the allottees, whose plots are affected partly under CRZ Notification to obtain necessary clearance after getting the recommendation from the state coastal Zone management Authority.	Complied. M/s. DSL has issued directions to all the allottees, whose plots are affected partly under CRZ Notification to obtain necessary clearance after getting the recommendation from the state coastal zone management authority. The list of allottees whose plots are partly affected under CRZ notification is enclosed here as Annexure-4 .
(viii)	Necessary permission / NOC shall be obtained from competent authority for the disposal of treated effluent into deep sea.	Complied. M/s. DSL has obtained necessary permission/NOC from GPCB for disposal of treated effluent discharge into Vilayat- Dahej Pipeline developed by GIDC Authority. NOC vide letter no. GPCB/BRCH/NOC-3633/27240 dated 22/09/2008 is enclosed as Annexure-1 .
(ix)	Treated waste water shall be used for flushing of toilets, horticulture and HVAC purposes, in that order.	Complied. M/s. DSL has provided the sewage treatment plant for the treatment of domestic sewage as per the GPCB standards and is utilizing the treated waste water for flushing of toilets, horticulture and HVAC purposes, in that order.
(x)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. the housing may be in the form of temporary structures to be removed after the completion of the project.	Noted & Agreed. Local construction labours are hired from the nearby villages; hence provision of housing to the construction workers is not required. Moreover, facility of safe drinking water, mobile toilets, emergency first aid facilities etc. are provided to them during the time of construction activities.
(xi)	A first Aid Room will be provided in the project both during construction and operation of the project.	Complied. First Aid Room was provided during the construction of the project. Two medical centers are in vicinity of Dahej SEZ area i.e., Dahej Health & Welfare Society Hospital and Primary Health Centre, Dahej. In addition to above, major units in SEZ develop Occupational Health Centre (OHC) within their plot premises in Dahej SEZ area.
(xii)	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Noted & Agreed. Top soil excavated during construction activities is utilized for horticulture/landscape development within the project site only.
(xiii)	Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people,	Noted & Agreed. M/s. DSL has taken note of the same and complied with this condition.

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	only in approved sites with the approval of competent authority.	
(xiv)	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Being complied. Ground water samples are being taken frequently and analysis report of the same is also been reviewed by the DSL authority. According to the reports, there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants. The analysis reports of the ground water quality are enclosed as Annexure-5.
(xv)	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.	Noted & Agreed. M/s. DSL has used the construction spoils or waste for levelling the site. M/s. DSL does not generate any bituminous material and other hazardous materials.
(xvi)	Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Gujarat Pollution Control Board.	Not Applicable. There is no generation of any hazardous waste during construction phase, hence this condition is not applicable.
(xvii)	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) rules prescribed for air and noise emission standards.	Complied. DSL is using only low sulphur diesel type to run diesel generator sets during construction phase to follow the Environment (Protection) Rules prescribed for Air and Noise Emission Standards.
(xviii)	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from chief controller of explosives shall be taken.	Not Applicable. DSL procured diesel as and when required and hence this condition will not be applicable.
(xix)	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	Being complied. Only vehicles in good condition with pollution check certificate and conforming to applicable air and noise emission standards will be allowed to bring the construction materials to the site during non-peak hours only.
(xx)	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce	Being complied. An ambient noise level conforms to residential standards both during day and night. Ambient air and noise quality are monitored during construction phase for checking incremental pollution load and adequate measures are made to reduce ambient air and noise level during construction phase to conform to the stipulated standards by CPCB/ GPCB.

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	ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / Gujarat PCB.	The analysis reports of the ambient noise levels and air quality are enclosed as Annexure-5 .
(xxi)	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100 Km of Thermal Power Stations).	Not Applicable. As no thermal power station is located within the 100 km from M/s. DSL. Hence, this condition is not applicable.
(xxii)	Ready mixed concrete must be used in building construction.	Complied. M/s. DSL is using only the ready-mix concrete for building construction.
(xxiii)	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Noted & Agreed. M/s. DSL has noted the condition and shall comply with conditions.
(xxiv)	Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices referred.	Noted & Agreed. As M/s. DSL is using only the ready-mix concrete and curing agents and other latest technologies for building construction, thus, water demanded during construction is greatly reduced.
(xxv)	Permission to draw ground water shall be obtained from the competent Authority prior to construction / operation of the project.	Not Applicable. Ground water extraction is not permitted within the DSL area; the entire water requirement is met with GIDC supply water. Hence there is no requirement to obtain permission for ground water extraction from competent authority.
(xxvi)	Separation of grey and black water should be done by the use of dual Plumbing line for separation of grey and black water.	Complied. M/s. DSL has used dual plumbing line for separation of gray water and black water in administration buildings of Dahej SEZ.
(xxvii)	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor-based control.	Complied. M/s. DSL has already asked all the member units to provide fixtures for showers, toilet flushing and drinking of low flow by using aerators or pressure reducing devices or sensor-based control to conserve water wherever feasible.
(xxviii)	Use of glass may be reduced by up to 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Noted & Agreed. M/s. DSL has taken note of this condition and also asked the member units to reduce electricity by implementation of high-quality double glass with special reflective coating in windows.
(xxix)	Roof should meet prescriptive requirement as per energy conservation building code by using	Noted & Agreed. The design of the building will be done as per energy conservation building code by using appropriate thermal insulation material to

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	appropriate thermal insulation material to fulfil requirement.	fulfill requirement
(xxx)	Opaque wall should meet prescriptive requirement as per energy conservation building code which is proposed to be mandatory for all air-conditioned spaces which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air conditioned spaces by use of appropriate thermal insulation material to fulfil Requirement.	Complied. M/s. DSL have constructed Opaque wall as per the energy conserving building construction code to conservation of energy also used the light colors to reduce the UV absorption and minimize the associated cooling requirement will be used for the walls and ceiling. Thermal insulation will be provided on roofs to conserve energy.
(xxxi)	The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipment, etc. as per National building code including protection measures from lightening etc.	Complied. The approval of the competent authority is obtained for structural safety of the buildings due to earthquake, adequacy of firefighting equipment, etc. as per National building code including protection measures from lightening etc.
(xxxii)	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid Disturbance to the surroundings.	Being complied. Regular supervision of the above and other measures for monitoring are in placed all through the construction phase, so as to avoid Disturbance to the surroundings.
(xxxiii)	Under the provisions of Environment (protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Taken note of this condition and complied.

II. Operation Phase

(i)	The installation of the Effluent Treatment Plant (ETP) / Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled /reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated shall conform to the norms and standards of the Gujarat	Complied. M/s. DSL has installed STP as per requirement and reuses sewage water for plantation. Schematic Flow Diagram of STP is enclosed as Annexure-6 .
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	Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	
(ii)	Necessary permission / NOC shall be obtained from competent authority for the disposal of treated effluent into deep sea.	Complied. DSL has obtained necessary permission/NOC from GPCB for disposal of treated effluent discharge into Vilayat- Dahej Pipeline developed by GIDC Authority. NOC vide letter no. GPCB/BRCH/NOC-3633/27240 dated 22/09/2008 is enclosed as Annexure-1 .
(iii)	The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry / inert solid waste should be disposed off to the approved sites for land filling after Recovering recyclable material. The hazardous wastes shall be disposed at authorized TSDF site.	Not applicable. The member units procuring the land in the SEZ area have to obtain membership of nearby Authorized TSDF site for disposal of their hazardous wastes.
(iv)	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Gujarat Pollution Control Board.	Noted & Agreed. M/s. DSL is using D.G. Sets as a source of backup power during operation phase. The height of stack of DG sets is calculated and established to the height needed for the combined capacity of all proposed DG sets. M/s. DSL is using only Low Sulphur Diesel (LSD) to run diesel generator sets during operation phase to follow the Environment (Protection) rules prescribed for air and noise emission standards.
(v)	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Being complied. It is ensured that ambient Noise level will not exceed the prescribed standards and during night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations. Half yearly comprehensive Ambient noise quality monitoring reports (October' 2023 to March' 2024) are enclosed as Annexure-5 .
(vi)	The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.	Complied. Green belt (Approx. 1,89,392 of plants) with adequate width and density comprising of preferably local species is planted in the periphery of the plot to protect against particulate pollutant and sink noise level. Photograph of the greenbelt development patches and plantation at the boundary and center of the roads are attached here as Annexure-10 .
(vii)	Weep holes in the compound walls shall be provided to ensure natural	Complied. M/s. DSL has provided weep holes in the compound walls so that,

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	drainage of rain water in the catchment area during the monsoon Period.	rain water naturally drains out to the catchment area during the monsoon Period.
(viii)	Rain water harvesting for roof run - off and surface run - off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter oil and grease. The bore well for rainwater recharging should be kept at least 5 mts. above the highest ground water table.	Complied. M/s. DSL has already implemented rain water harvesting for roof run-off and surface run-off.
(ix)	The ground water level and its quantity should be monitored regularly in consultation with Central Ground Water Authority.	Being complied. DSL is monitoring Ground water quality regularly and Ground water quality reports are enclosed as Annexure-5 .
(x)	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Complied. M/s. DSL has already made the arrangements to avoid Traffic congestion near the entry and exit points.
(xi)	A Report on the energy conservation measures confirming to energy conservation norms finalize by Bureau of Energy Efficiency should be prepared incorporating details about building materials and technology, R & U Factors etc and submit to the Ministry in three months' time.	Noted & Agreed. M/s. DSL has taken note of this condition and shall comply with this condition.
(xii)	Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off / sent for recycling as per the prevailing guidelines / rules of the Regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.	Complied. M/s. DSL has installed CFL/LED lighting fixtures in the common areas, roof-top thermal insulation, light colors to reduce the UV absorption, automatic switching system for common building and street lighting. M/s. DSL has already installed solar panels having capacity of 50 KW.
(xiii)	Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.	Noted & Agreed. M/s. DSL will take adequate measures to prevent odour problem from STP. There is no solid waste processing plant in Dahej SEZ.
(xiv)	The building should have adequate distance between them to allow movement of fresh air and passage of	Noted & Agreed. M/s. DSL is following prevailing GDCR for SEZ and adequate distance is maintained to comply the condition.

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	natural light, air and ventilation.	
PART B – GENERAL CONDITIONS		
(i)	The environmental safeguards contained in the EIA report should be Implemented in letter and spirit.	Noted & Agreed. M/s. DSL has taken note of this condition and shall comply with this condition.
(ii)	The project proponent shall also submit six monthly reports on the Status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional office of MoEF, the respective Zonal office of CPCB and the SPCB.	Being complied. DSL is regularly submitting half yearly EC compliance report for the period of April to September and October to March, to the Ministry's Integrated Regional office at Gandhinagar, the respective Zonal Office of CPCB at Vadodara and GPCB R.O. at Bharuch well within the stipulated time.
4.	Officials from Regional Office of MoEF, Bhopal who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of documents submitted to MoEF should be forwarded to the CCF, Regional Office of MoEF Bhopal.	Abide by the condition. We are bounded to provide full co-operation, facilities and documents/data to the Ministry's Integrated Regional office at Gandhinagar and we are also submitting the complete set of required documents with EC compliance to Integrated Regional office of MoEF, Gandhinagar every six months as per the condition of Environment Clearance.
5.	In case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Abide by the condition. We will obtain the fresh appraisal prior to any change(s) in the scope of the project.
6.	The Ministry reserves right to add additional safeguard measures subsequently, if found necessary and to take action including revoking the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted & Agreed.
7.	All other statutory clearance such as approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable, as applicable by project proponents from the respective competent authorities.	Complied. We have obtained all necessary statutory & regulatory clearance from the concerned authorities.

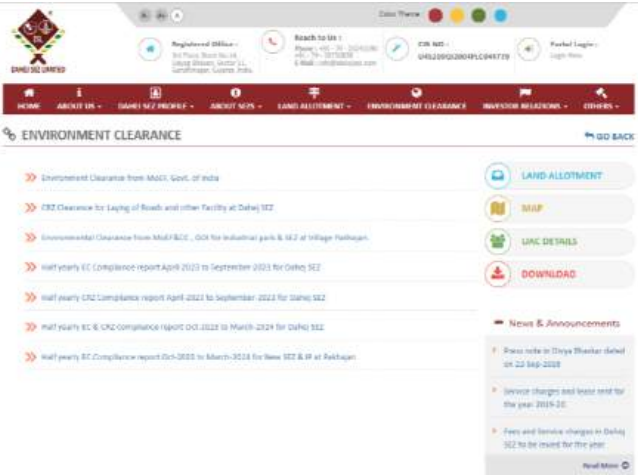
M/S. DAHEJ SEZ LIMITED

SIX MONTHLY REPORT (PERIOD: APRIL 2024 TO SEPTEMBER 2024)

<p>8.</p>	<p>These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA notification, 2006.</p>	<p>Noted & Agreed.</p>
<p>9.</p>	<p>The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environment Clearance and copies of clearance letters are available with the Gujarat Pollution Control Board and may also be sent to the website of the Ministry of Environment and Forest at https://www.envfor.nic.in. The advertisement should be made within 10 days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.</p>	<p>Complied. We have already published the advertisement in two local newspapers after obtaining the EC from MoEF&CC as below: Vernacular language (Gujarati) Name of the publication: Gujarat Prabha (Bharuch Edition) Date of publication: 28.04.2020 Name of the publication: Sandesh (Vadodara Edition) Date of publication: 29.04.2020 Other language (English) Name of publication: Gujarat Samachar (Vadodara Edition) Date of publication: 29.04.2010 Cut-outs of the newspaper advertisements are attached here as Annexure-8.</p>
<p>10.</p>	<p>Environment Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project.</p>	<p>Noted & Agreed.</p>
<p>11.</p>	<p>Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.</p>	<p>Noted & Agreed. There was no appeal raised against the Environment Clearance to Environment Appellate Authority.</p>
<p>12.</p>	<p>A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.</p>	<p>Complied. We have already submitted the copy of Environment Clearance to the concerned authorities and we have also uploaded the copy of EC letter and last submitted compliance report on our website. Screenshot of website</p>

M/S. DAHEJ SEZ LIMITED

SIX MONTHLY REPORT (PERIOD: APRIL 2024 TO SEPTEMBER 2024)

<p>13.</p>	<p>The proponent shall upload the status of compliance stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the representative Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely, SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p>	 <p>Link: http://www.dahejsez.com/ec/</p> <p>The compliance report for the period of October 2023 to March 2024 is already submitted to Ministry's Integrated Regional office at Gandhinagar through Mail. Acknowledge copy of the same is attached here as Annexure-8.</p>
<p>14.</p>	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.</p>	<p>Complied.</p> <p>We have already submitted the Environment Statement (Form-V) to GPCB for the financial year 2023-2024 as per the mandatory requirement under EPA, 1986, as amended subsequently. Copy of the same is attached here as Annexure-9.</p>

M/S. DAHEJ SEZ LIMITED
SIX MONTHLY REPORT (PERIOD: APRIL 2024 TO SEPTEMBER 2024)

SUMMARY

M/s. Dahej SEZ Limited (DSL) is a SPV developed jointly by Gujarat Industrial Development Corporation (GIDC) and Oil & Natural Gas Corporation (ONGC) for development of SEZ. DSL is developing multi-product SEZ at Dahej in Vagra Taluka of Bharuch district in Gujarat, India.

DSL falls under Gujarat PCPIR (Petroleum, Chemical and Petrochemical Investment Region) area declared by Ministry of Chemicals and Fertilizers, Govt. of India under PCPIR policy 2007.

M/s. Dahej SEZ Ltd. has obtained EC from MoEF&CC vide letter no. F. No. 21-1084/2007-IA.III dated 17th March 2010, CTE from GPCB vide letter no. GPCB/BRCH/NOC-3633/27240 dated 22.09.2008 and CC&A from GPCB vide order no. AWH-138034, valid up to 04.08.2029.

The authority has awarded contract for the Environmental monitoring and preparation of six-monthly EC compliance report to Ecosystem Resource Management Pvt. Ltd. The consultancy firm has its own well-equipped laboratory to measure the pollution parameters related to Environmental Monitoring (Air, Water, Wastewater, Soil) with National Accreditation Board for Testing and Calibration Laboratories (NABL) accreditation. All monitoring equipment's are available to measure Stack emissions, Ambient Air quality and noise level of various plants.

Six monthly compliance reports along with monitoring data are regularly submitted to the concerned department and during monitoring period of this report RO visit has not been conducted. All the conditions stipulated in EC clearance was compiled by the project proponent.

ANNEXURES

Annexure-1: Consent to Establish (CTE) & Consolidated Consent & Authorization (CC&A)



GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan

Sector-10-A, Gandhinagar - 382 010.
Phone : 23222756, 23222095, 23222096
Gram : CLEANWATER Fax : (079) 23232156
Website : www.gpcb.gov.in

"Consent to Establish" (NOC)

(ID NO-30594 upto 2.3.2013)

NO: GPCB/BRCH/NOC-3633/ 27240

22 SEP 2008

TO:
M/s. DAHEJ SEZ LTD.
GUJARAT INDUSTRIAL DEVELOPMENT CORPORATION (GIDC)
1ST FLOOR, NARMADA CHEMICAL COMPLEX
MAHATMA GANDHI ROAD,
PANCHBATTI,
BHARUCH-392001

SUB: **Consent to Establish (NOC)** under Section 25 of Water Act 1974 and Section 21 of Air Act 1981

REF:

1. Your NOC application No. Nil dated 03/03/2008.
2. GPCB letter dated 16/05/2008 & 01/06/2008.
3. MoEF letter dated 13/03/2008, 28/07/2008.
4. EC issued by MoEF for Dahej, Vilayat Pipeline for disposal at effluent dated 29/04/2005.
5. Ministry of commerce dated 20/12/2006, notifying survey area of Village-Dahej, Ambheta, Lakhigam suva, lavara Jageshwar
6. Your letter dated 18/06/2008
7. Minutes of the 63rd Meeting of expert Appraisal committee conducted on 16/07/2008.

Sir,

Without prejudice to the powers of this Board under the water (Prevention and Control of Pollution) Act-1974, Air Act-1981 and Environment (Protection) Act-1986 and without reducing your responsibilities under the said acts in any way, this is to inform you that this Board grants Consent to Establish (NOC) **for setting up of a Special Economic Zone (SEZ) for the infrastructure Development** by GIDC-Dahej SEZ Ltd, Village-Dahej, Ta- Vagra, Dist. Bharuch. The infrastructure facility includes plotting of land, area grading & development, horticulture & development of Gardens, Chain Link Fencing, Entrance Plaza with Bus and Truck Terminal, Common facility Centre and other administrative amenities building, Internal roads with street lights, storm water drainage system, corridors for power, telephones, water, gas and other utilities grid lines, Electrical sub-station & power supply network, Raw water storage, filtration and supply system, Under ground drainage cum collection system and conveyance of effluent into deep sea for its ultimate disposal.

The proposed categories of industries will be Petrochemicals and downstream petrochemical industries, Engineering industries (industrial equipment/ Machineries / vessels manufacturers / fabricators), Synthetic organic chemical manufacturers, industrial gas manufacturers, Packaging Industries/ fabrication units/ power generation units.

The plot area will be of 1740 hectares and total cost of the project shall be of Rs.294.04 Crores. The Validity period of order will be Five years (ID NO-30594 upto 2.3.2013).

SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS: -

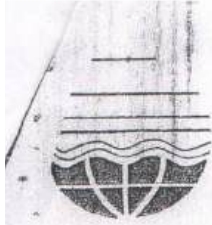
1. SEZ shall strickly abide with the various conditions as stipulated in permission letter of Ministry of commerce & industries, Government of India, dated 21/09/2005.

2. SEZ shall provide final guard pond with adequate holding capacity for 48 hours before discharging to Dahej-Vilayat GIDC effluent disposal pipeline and shall ensure that the waste water being disposed is conforming to GPCB standards.
3. SEZ shall be responsible for collection and conveyance of treated waste water of individual unit within SEZ, up to final guard pond, for further disposal to deep sea.
4. Individual coming unit shall be responsible to obtain CTE / EC from the competent authority.
5. SEZ shall be responsible to take adequate measures to maintain environmental standards during construction / development phase of SEZ, for proposed infrastructure.
6. Ground water shall not be extracted at any stage.
7. Storm water drainage must be constructed separately.
8. Individual chemical industries, shall have to obtain EC from concerned – authorities (if applicable) under EIAN-2006.
9. SEZ shall work as nodal agency for encouraging waste minimization / waste Exchange program & opportunity for recovery / reuse among the member units.
10. SEZ shall explore biogas generation alternatives from canteen as well as decomposable waste & its captive hrs.
11. Carpeted / RCC Road of 7 to 14 meter as required with central divider, shall be provided, within SEZ – area & nearby SEZ area.
12. Under ground surface line only covered with inter locking footpath with sandy based along with tree-plantation, shall be provided by SEZ – developers.
13. You shall have to comply with the suggestions / recommendations of the minutes of the environmental Public Consultation Committee held on 17/08/2008 at Bharuch and Environmental Management Plan and compliance report be sent to head office at Gandhinagar & Regional Office regularly.
14. Units to come up within SEZ area shall have to obtain CTE (NOC) from Gujarat Pollution Control Board and other clearances from the concerned authorities.
15. Rain water harvesting system shall be installed and operated adequately.
16. SEZ developer shall obtain all approval from various statutory authorities, under relevant laws & regulation of Government of India & State Government & from local bodies.
17. Adequate provision for rehabilitation of the displaced persons shall be made by the developer.
18. Ambient air monitoring shall be carried out as per EIA report .
19. Adequate measures shall be taken to control odour problem from STP/ other ancillaries operations.
20. You shall comply with SEZ Acts, rules & notifications, as applicable.
21. SEZ developer shall take adequate mitigation measures to control pollution (Air + Water + Hazardous) during construction / development stage.

CONDITIONS UNDER WATER ACT 1974:

22. Total Water consumption for entire SEZ shall not exceed **85 MLD**.
23. The industrial effluent generated from the industries shall not exceed **45 MLD** & Domestic waste water shall not exceed **40 MLD**.
24. You shall have to provide magnetic flow meter at final outlet of final guard pond from where the industrial waste water is finally pumped into the Inlet of Vilayat Dahej Pipeline & maintain effluent disposal records for further disposal into deep sea. SEZ developer shall also explore the possibility of reuse or recycle of treated effluent in the system.
25. The quality of treated industrial effluent shall conform to following standards, so that quality of the proposed fresh water reservoir of Kalpsar project does not get applied.

PARAMETERS	NORMS
pH	6.5 to 8.5



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Temperature	40° C
Colour (pt. co. scale) in units	100 units
Suspended Solids	100 mg/l
Oil and Grease	10 mg/l
Phenolic Compounds	1 mg/l
Cyanides	0.2 mg/l
Fluorides	1.5 mg/l
Sulphides	2 mg/l
Ammoniacal Nitrogen	50 mg/l
Arsenic	0.2 mg/l
Total Chromium	2.0 mg/l
Hexavalent Chromium	0.1 mg/l
Copper	3 mg/l
Lead	0.1 mg/l
Mercury	0.01 mg/l
Nickel	3 mg/l
Zinc	5 mg/l
BOD (3 days at 27° C)	100 mg/l
COD	250 mg/l
Chlorides	600 mg/l
Sulphates	1000 mg/l
Total dissolved solids	5000 mg/ltr.
Insecticides / Pesticides	Absent
Bio-assay test	90 % Survival of fish after 96 hours in 100 % effluent

The treated effluent confirming to above standards shall be discharged in to Vilayat Dahej Pipeline developed by GIDC authority, having effluent conveyance capacity of 90 MLD.

28. All individual industries to be come-up in SEZ shall have to take the adequate measures under the provisions of Water Act, Air Act and Hazardous waste Rules.
29. Sewage shall be treated in Sewage treatment plant (STP) to conform to the following standards and shall be utilized on land for irrigation / plantation in the area SEZ area.

BOD (3 days at 27° C)	Less than	20	mg/l
Suspended Solids	Less than	30	mg/l
Residual Chlorine	Minimum	0.5	ppm

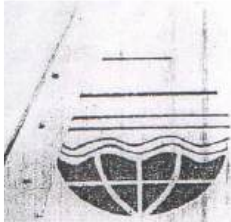
30. SEZ developer shall be fully responsible for collection, conveyance and disposal of treated effluent into the inlet of Vilayat Dahej Pipeline.
31. SEZ developer shall instruct & make sure that every member unit shall make storage facilities to store the effluent for at least 24 hours with an impervious acid proof brick lining tank / HDPE tank.
32. SEZ developer shall provide online pH meter with recorder & magnetic flow meters for flow measurement of treated waste water discharged in to vilayat Dahej disposal pipeline.
33. SEZ developer shall constitute a monitoring committee for monitoring of the effluent discharged by its members leading to Guard ponds.

34. SEZ shall provide a final guard pond before discharging treated effluent into Vilayat – Dahej pipeling with holding capacity of treated effluent for at least 2 days (48 hours), having pucca & improvrious layer.
35. In case of power failure standby DG Sets, having power generation capacity equivalent to the requirement of power to discharge treated waste water in to disposal pipeline shall be provided in case of power failure to avoid of an even situation.
36. SEZ developer shall provide with online monitoring instruments along with SCADA system & pH actuated valve at the final guard sump.
37. You shall maintain strict control over effluent management from units.
38. In order to enable the Board to perform its functions of ascertaining the standards of effluent laid down by it for the discharge of the effluent under the condition of this order, are complied with by the Company while causing discharge of effluent, the applicant shall have to submit every month the analysis report of the samples of effluent got collected and analyzed by one of the laboratories recognized by the State Board. You shall keep accurate record of the member units in respect of quantity of each product manufactured, quantity of water consumption, quantity of effluent supplied to disposal pipeline and consumption of Electricity on day to day basis and required to submit the compiled record for one month to GPCB on or before seventh day of the succeeding month.
39. You shall inform immediately to the Gujarat Pollution Control Board, regarding the termination/suspension of the membership of the member unit.
40. If the products/process falls in SCHEDULE-I or II of the Environmental Audit Scheme, as specified in the order dated 13/3/97 of Hon. High Court in MCA NO.326/97 in SCA No.770/95, respective unit shall also abide by the said scheme.
41. SEZ developer has to register the unit for the coming up units under the provisions of the Factories Act-1948 and shall obtain the necessary factory license, as applicable.
42. You shall have to obtain P.L.I. Policy as per P.L.I. Act, 1991 and submit the copy of the same to the G.P.C.B.

CONDITIONS UNDER AIR ACT 1981:

43. The gaseous emissions (SO₂, NO_x, and HC) and Particulate matter along with RSPM levels from various process units shall conform to the standards prescribes by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards.
44. Necessary Air pollution control measures for odour control shall be implemented.
45. Stack monitoring facilities like port hole, platform/ladder etc, shall be provided with stacks/vents chimney in order to facilitate sampling of gases being emitted into the atmosphere:
46. Ambient air quality within the premises of the SEZ shall conform to the following standards:

PARAMETERS	PERMISSIBLE LIMIT
Suspended Particulate Matter	500 Microgram/M ³
RSPM	150 Microgram/M ³
SO ₂	120 Microgram/M ³
NO _x	120 Microgram/M ³
HCL	200 Microgram/M ³
CL ₂	100 Microgram/M ³
Ammonia	850 Microgram/M ³
Hydrocarbon	160 Microgram/M ³
H ₂ S	500 Microgram/M ³
HF	60 Microgram/M ³
CO	5000 Microgram/M ³
CS ₂	2000 Microgram/M ³



GUJARAT POLLUTION CONTROL BOARD

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Website : www.gpcb.gov.in

CONDITIONS UNDER HAZARDOUS WASTE :

47. SEZ developer and all the member industrial units shall have to comply with provisions of Hazardous Waste (Management & Handling) Rule-1989 as amended from time to time.

GENERAL CONDITION:

48. SEZ authority shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the Water Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986.
48. Unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within premises, unit shall tie up with local agencies like gram panchayat, school, social forestry office etc. for the plantation at suitable open land in nearby locality and submit an action plan of plantation for next three years to GPCB. Plantation should be started along with constitution activity. For plantations within the premises, a spacing of at least 4m x 4m shall be kept i.e. to say 250 plants per acre shall be plantation. For plantations outside the premises a spacing of 2m x 2m will be kept i.e. to say 1000 plants per acre.
49. The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act- 1977.
50. In case of change of ownership/management the name and address of the new owners/partners/directors/proprietor should immediately be intimated to the Board.
51. The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste or hazardous waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the Water Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986 60 days before commencing the production.
52. The applicant shall also comply with the General conditions as per Annexure - I attached herewith (No.1 to 38), whichever are applicable.
53. The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering control like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.
54. The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act- 1977.
55. In case of change of ownership / management the name and address of the new owners / partners / directors / proprietor should immediately be intimated to the Board.
56. The concentration of Noise in ambient air within the premises of industrial unit shall not exceed following levels:
Between 6 A.M. and 10 P.M.: 75 dB (A)
Between 10 P.M. and 6 A.M.: 70 dB (A)

57. Applicant is required to comply with the manufacturing, Storage and Import of Hazardous Chemicals Rules-1989 framed under the Environment (Protection) Act-1986.
58. If it is established by any competent authority that the damage is caused due to their industrial activities to any person or his property .in that case they are obliged to pay the compensation as determined by the competent authority.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD


(A.A. Dolt)
ENVIRONMENTAL ENGINEER



Provisional Consent Order (CCA)

Consent No. AWH-138034 Valid upto: 04/08/2029

Gujarat Pollution Control Board
Paryavaran Bhavan, Sector-10/A,
Gandhinagar - 382010
Tele : 23222756

Application : CtO:CCA-Renewal, No. 312776 Dt. 06/06/2024, Granted On: 29/10/2024

PCB Id:25308

Besides streamlining and simplifying of regulatory regime, Gujarat Pollution Control Board has taken initiative in from of introduction of Consolidated Consent and Authorization (CC&A) which provides for a one shot application and clearance of the consents under Water Act, Air Act and Authorization under Hazardous Wastes Rules for a period of 5 years. Board issues consolidated consent and Authorization to an industrial unit for operation of plant/carrying out industrial activity specifying following conditions.

Consolidated Consent and Authorisation

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 3(c) & 5(5) of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules'2008 framed under the E(P) Act-1986.

And whereas Board has received consolidated Application No. (CtO:CCA-Renewal) 312776 and Dated 06/06/2024 for the consolidated consent and authorization (CC&A) of this Board under the provisions / rules of the aforesaid Acts Consent & Authorization is hereby granted as under.

CONSENT AND AUTHORISATION : (under the provisions / rules of the aforesaid environmental acts)

To,

M/s. Dahej Sez Ltd.

DAHEJ INDUSTRIAL AREA, TAL : VAGRA, DIST : BHARUCH., City : DAHEJ,

Dist : Bharuch, Tal : Vagra, SIDC : Dahej

Phone : 02641-256462

1. **Consent Order No:** **AWH-138034** **Valid Upto:** **04/08/2029**

2. All Conditions under the AIR ACT-1981 WATER ACT-1974 HAZARDOUS ACT-2008 shall be Applicable to you as mentioned in the detailed Consent Order ***

Consented CETP: **Not Linked to any CETP**

Consented TSDF: **Not Regd with any TSDF**

3. GENERAL CONDITIONS :-

- This order is provisional order and detailed order is considered as final.
- All the conditions & provisions under the Water Act 1974, the Air Act 1981 and the Environment (Protection) Act - 1986 and the rules made there under shall be complied with *.
- All the conditions & provisions under the Hazardous Waste (Management, Handling and Trans boundary Movement) Rules 2008 as amended shall be complied
- The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(A) during day time and 70dB(A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.
- In case of change of ownership/management the name and address of the new owners/ partners/ directors/ proprietor or equipment or working conditions as mentioned in the consents form / order should immediately be intimated to the Board.
- Industry shall have to display data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emissions and solid hazardous wastes generated within the factory premises.
- The CCA shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the CCA order by CCA holder shall constitute a breach of this CCA.
- Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is atleast 1000 trees per acre of land and a green belt of 5 meters width is developed.
- The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act- 1977.

*** Note : ACT-Specific, Industry-specific, Area-specific Conditions alongwith Product, Waste water effluent details shall be precisely mentioned in the DETAILED Consent Order.

*** Note : This is only provisional communication. The final Consent/Authorization in hard copy with duly signed by competent authority shall the final and valid Consent/Authorization.

For and on behalf of
Gujarat Pollution Control Board

D. M. Thaker.

(Member Secretary)



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

Inward No. 0224
Date : 11/2/2020
Dahej SEZ Limited, Dahej

BY R.P.A.D

CONSENT AND AUTHORISATION: CC&A (AWH-104709)

NO:-GPCB/BRCH-B/CCA-125(2)/ID-25308/SS1863

Date: 23/01/2020

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under "Hazardous Waste (Management & Trans boundary Movement) Rule-2016." framed under E (P) Act- 1986.

And whereas Board has received consolidated application vide Inward no: 162316 dated: 23/08/2019 for the consolidated consent and authorization (CC&A) of this board under the provisions/ rules of the aforesaid Acts. Consent & Authorization is hereby granted as under:

CONSENT AND AUTHORISATION:

(Under the provisions / rules of the aforesaid environmental acts)

TO,
M/s. DAHEJ SEZ LTD GIDC DAHEJ,
VILLAGE - DAHEJ, TAL: VAGRA,
DIST: BHARUCH.

1. Consent order No: AWH-104709- Date of Issue-22/10/2019
2. The consent under Water Act -1974, Air Act -1981 and Authorization under Environment (Protection) Act, 1986 shall be valid up to **04/08/2024** for use of outlet for the discharge of treated sewage on land for Gardening/Horticulture purpose from Dahej SEZ Ltd at GIDC Dahej, Vill: Dahej 392130, Tal: Vagra. Dist: Bharuch.
3. **SPECIFIC CONDITIONS:-**
 - 3.1 Applicant shall strictly comply/fulfill the given conditions of EC OF DAHEJ SEZ, issued vide NO - 21-1084 12007-IA.III DATED 17/03/2010.
 - 3.2 The applicant shall not produce any products as well as not carry out any activities for products/process listed in the EIA Notification dated 14/09/2006 as amended from time to time, requiring prior Environmental Clearance from competent authority.

Clean Gujarat Green Gujarat

ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation Page 1 of 4

- 3.3 The unit shall affix of water meters as per Section 4(I) of the water (Prevention and Control of Pollution) Cess Act -1977 for the purpose of measuring and recording the quantity of water consumed at such places as may be required.
- 3.4 The unit shall affix of water meters as per Section 4 (I) of the water (Prevention and Control of Pollution) Cess Act - 1977 for the purpose of measuring and recording the quantity of water consumed at such places as may be required, within 15 days and it shall be presumed that the quantity indicated by the meter has been consumed by the industry until the contrary is proved.
- 3.5 Adequate measures shall be taken to control odour problem from STP lother ancillary operations.
- 3.6 Applicant shall ensured & undertake on Rs. 100 stamp paper that it has no outlet in GIDC U/G drain.
- 3.7 Applicant shall strictly/fulfill the condition given in NOC (CTE) issued vide letter no: GPCB/BRCH/NOC- 3633/27240 dated: 22/09/2008.

4. CONDITIONS UNDER WATER ACT:

- 4.1 The domestic effluent generation from SEZ shall not exceed 80 KL/day.
- 4.2 Sewage shall be treated in to the sewage treatment plant to conform the following standards shall be used for on land gardening/plantation purpose within SEZ area.

BOD (5 days at 20°C)	Less than 20 mg/l
Suspended Solids	Less than 30 mg/l
Residual Chlorine	Minimum 0.5 ppm

5. CONDITIONS UNDER THE AIR ACT:

- 5.1 The following shall be used in D.G. Set.

Sr. No.	Fuel	Quantity
1.	Diesel	40 lit/hr

- 5.2 The flue gas emission through stack attached to D.G. Set shall conform to the following standards:-

Stack No.	Stack attached to	Stack height (m)	APCM	Parameter	Permissible Limit
1.	D.G. Set (62.5 KVA)	11	-	Particulate matter SO2 NOx	150 mg/Nm ³ 100 ppm 50 ppm



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in

- 5.3 The applicant shall install and operate a comprehensive adequate air pollution control measures in order to achieve prescribed standards.
- 5.4 There shall be no process emission from the manufacturing process as well as any other ancillary operation.
- 5.5 Ambient air quality within the premises of the industry shall conform to the following standards:

PARAMETER	PERMISSIBLE LIMIT
Suspended Particulate Matter (size less than 10um)or	PM10 100 microgram per cubic meter ug/m3**
Suspended Particulate Matter (size less than 2.5 um)or PM2.5	60 microgram per cubic meter ug/m3**
Oxides Of Sulphur**	80 microgram per cubic meter
Oxides Of Nitrogen**	80 microgram per cubic meter

** 24 hourly or 08 hourly or 01 Hourly monitored values, as applicable, shall be complied with 98% of the time in a year, 2% of the time; they may exceed the limits but not on two consecutive days of monitoring.

Note: Whenever and wherever monitoring results on two consecutive days of monitoring exceed the limits specified above for the respective category, it shall be considered adequate reason to Institute regular or continuous monitoring and further investigation.

- 5.6 The applicant shall operate industrial plant I air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the given standards.
- 5.7 The consent to operate the industrial plant shall be liable for cancellation/revoke if at any time the parameters of the gaseous emission are not within the tolerance limits specified in the condition
- 5.8 The applicant shall provide portholes, ladder, platform etc at chimney (s) for monitoring the air emissions and the same shall be open for inspection to land for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/displayed to facilitate identification.
- 5.9 All measure for the control of environment pollution shall be provided before commencing production.


6 GENERAL CONDITIONS:

Clean Gujarat Green Gujarat

ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation Page 3 of 4

- 6.1 Any change in personnel, equipment or working conditions as mentioned in the consents Form/order should immediately be intimated to this Board.
- 6.2 The arrangement shall be made in each plant for drainage in such a way that all the quantity of effluent shall be taken to the central effluent treatment plant and no untreated waste water from any plant shall be discharged within the premises.
- 6.3 There shall be continuous flow recording devices for each plant to record the individual plant effluent going to the effluent treatment plant. There shall also be continuous flow recording devices at the inlet and outlet of the effluent treatment plant.
- 6.4 The Board reserves the right to review and lor revoke the consent and! or make variations in the conditions which the Board deems fit at any later date taking into consideration the circumstances, in accordance with Section 27 of the Act.
- 6.5 The following shall be used as fuel. In case of change of management the name and address of the new Directors shall immediately be intimated to the GPCB.
- 6.6 The consent granted shall lapse at any time if any parameters or any condition of this consent order are not complied with.

**For and on behalf of
Gujarat Pollution Control Board**



**(A. V. Shah)
Sr. Environmental engineer**

Annexure-2: Coastal Regulation Zone (CRZ) Clearance

F.No.11-50/2011-IA.III
Government of India
Ministry of Environment, Forests & Climate Change
(IA-III Section)

Vayu Wing, 3rd Floor,
Indira Paryavaran Bhawan,
Jor Bag Road, Aliganj,
New Delhi - 110 003

Dated: 19th September, 2014

To
The Chief Executive Officer,
M/s Dahej SEZ Ltd.,
Block No.14, 3rd Floor,
Udyog Bhawan, Sector-11,
Gandhinagar - 382 017, Gujarat

Contact Person Details:
Shri S. N. Patil,
Fax: 079-23241736
Phone: +91-7923241590-65721608
Email: ceo@dahejsez.com, ceodsl6@yahoo.in

Subject: CRZ Clearance for laying of roads and other facilities for the SEZ at Dahej, Taluka Vagra, Dist. Bharuch, Gujarat by M/s Dahej SEZ Ltd. - Reg.

This has reference to your letter No: DSL/MoEF/CRZ-Clearance/1949 dated 15.06.2011 and subsequent letters dated 07.12.2013 and 13.02.2014 seeking prior CRZ Clearance for the above project under the Coastal Regulation Zone Notification, 2011. The proposal has been appraised as per prescribed procedure in the light of provisions under the CRZ Notification, 2011 on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, recommendation of State Coastal Zone Management Authority, EIA, EMP and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee constituted by the competent authority in its meetings held on 21st-23rd September, 2011, 16th-17th April, 2012, 22nd-24th January, 2014 and 21st-22nd March, 2014.

2. It is inter-alia noted that the proposal involves laying of roads and other facilities for the SEZ at Dahej, Taluka Vagra, Dist. Bharuch, Gujarat. M/s Dahej SEZ Ltd. is developing SEZ in the area of 1803 ha near village Dahej, Gujarat. The SEZ is divided into Part-I and Part-II. Both are connected by a dedicated corridor of 35/45 mtrs width and 5 km long. Environmental Clearance (EC) for non CRZ area of SEZ was issued by the Ministry of Environment & Forests on 17.03.2010.

3. The present proposal involves providing essential infrastructure facilities like road, water supply, drainage, power supply etc. In Part-I of SEZ, 1.4 km of road, 2.8 km of storm water drainage, 1.4 km water distribution pipeline, 1.4 km drainage pipeline and 1.4 km power line and in Part-II of SEZ, a road of 1.8 km fall within CRZ area.

Inward No. 7756
Date 29/9/14



as advised - not to be submitted.
Sept 2014

AM/SEM
pl - spk

4. HTL/LTL demarcation was got prepared from the Institute of Remote Sensing (IRS), Anna University, Chennai. According to the map about 304.85 acres falls within CRZ area. The Gujarat State Coastal Zone Management Authority has recommended the project vide letter No. ENV-10-2010-669-E dated 15.12.2011.

5. The Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations, have recommended for the issue of CRZ Clearance for the project. Accordingly, the Ministry hereby accords necessary CRZ Clearance for the above project as per the provisions of CRZ Notification, 2011 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

A. Specific Conditions:

- (i) There shall be no allotment of plot in 304.85 acres of CRZ area to industries except for port and harbour or any activity requiring foreshore facilities. Such port and harbour projects shall obtain prior approval under EIA Notification, 2006 and CRZ Notification, 2011. as applicable.
- (ii) There shall no water logging due to the proposed roads.
- (iii) The runoff from SEZ shall be collected and taken to ETP.
- (iv) All the conditions/recommendations stipulated in Environmental Clearance (EC) issued by Ministry of Environment & Forests for non CRZ area of SEZ vide letter no. 21-1084/2007-IA-III dated 17.03.2010, shall be strictly complied with.
- (v) All the conditions/recommendations stipulated by Gujarat State Coastal Zone Management Authority vide their letter No. ENV-10-2010-669-E dated 15.12.2011 shall be strictly complied with.
- (vi) All the recommendation of the EIA/EMP and DMP shall be strictly complied with.

B. General Conditions:

- (i) The construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration, meticulously conforming to the existing local and Central rules and regulations including the provisions of Coastal Regulation Zone Notification, 2011 and the approved Coastal Zone Management Plan of Gujarat.
- (ii) In the event of any change in the project profile a fresh reference shall be made to the Ministry of Environment, Forests & Climate Change.
- (iii) This Ministry reserves the right to revoke this clearance, if any, of the conditions stipulated are not complied with to the satisfaction of this Ministry.



- (iv) This Ministry or any other competent authority may stipulate any additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.
- (v) Full support should be extended to the officers of this Ministry's Regional Office at Bhopal and the offices of the Central and Gujarat State Pollution Control Board by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.

6. These stipulations would be enforced among others under the provisions of water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and Municipal Solid Wastes (Management and Handling) Rules, 2000 including the amendments and rules made thereafter.

7. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department and Civil Aviation Department from height point of view, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

8. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance and copies of clearance letters are available with the Gujarat State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forests & Climate Change at <http://www.envfor.nic.in>. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.

9. This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

10. Any appeal against this Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

11. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

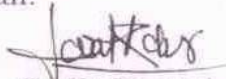
12. The proponent shall upload the status of compliance of the stipulated Clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as



stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.


13. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.

14. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of Clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.


(Lalit Kapur)
Director (IA-III)

Copy to:

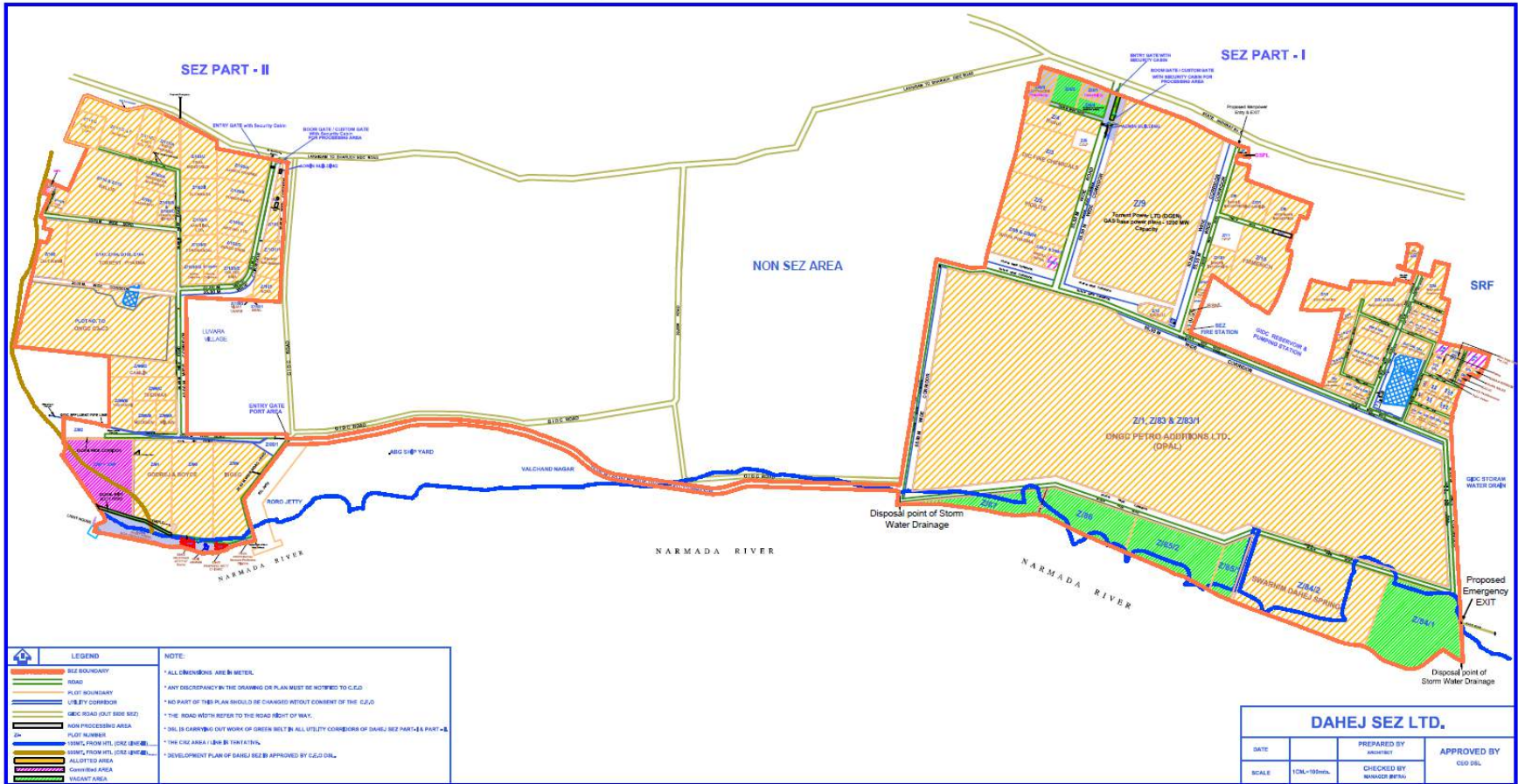
1. The Principal Secretary, Department of Forests & Environment and Chairman, GCZMA, Govt. of Gujarat, Sachivalaya, Gandhinagar.
2. The Director, Forests & Environment Department, Govt. of Gujarat, Block No.14, 8th Floor, Sachivalaya, Gandhinagar – 382 010.
3. The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 32.
4. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhinagar-382 010.
5. The Chief Conservator of Forests, Ministry of Environment, Forests & Climate Change, Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No. 3, Ravishankar Nagar, Bhopal-462016 (M.P.)
6. Guard File.
7. Monitoring Cell, MoEF&CC.


(Lalit Kapur)
Director (IA-III)

DAHEJ SEZ DEVELOPMENT PLAN

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



Preparation of Local Level CRZ Map for the Project Site of M/s. Dahej SEZ Limited, Dahej, Bharuch district, Gujarat
by Superimposing on Approved CZMP as per CRZ Notification 2011

INDEX MAP

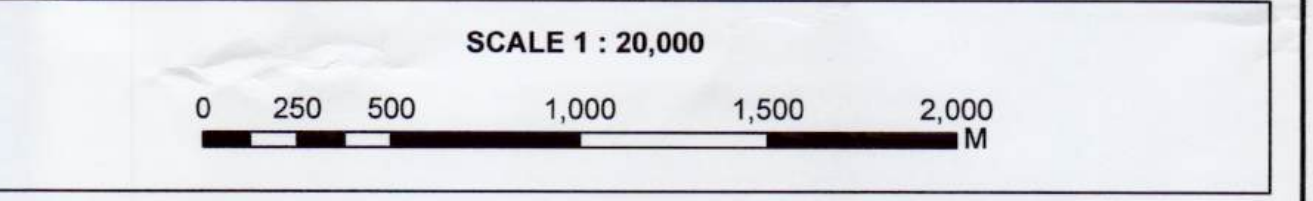


LEGEND

- SOURCE : APPROVED CZMP (MAP NO : GJ 84 & 85) AS PER CRZ NOTIFICATION 2011**
- LOW TIDE LINE (LTL)
- HIGH TIDE LINE (HTL)
- - - 100m LINE IN CRZ - III AREA
- - - 200m CRZ LINE - NDZ
- CRZ BOUNDARY (50m FOR SEA, 100m FOR BAY, 100m OR WIDTH OF THE CREEK WHICHEVER IS LESS ALONG THE TIDAL INFLUENCED WATER BODIES)
- VILLAGE BOUNDARY
- ▨ EXISTING JETTY
- ▨ PORT LIMIT
- ▨ CRZ - IA
- ▨ CRZ - IA (50m MANGROVE BUFFER ZONE)
- ▨ CRZ - IB
- ▨ CRZ - III (NO DEVELOPMENT ZONE)
- ▨ CRZ - III (200m TO 500m FROM HTL)
- ▨ CRZ - IVB
- ⊗ HTL REFERENCE POINT
- SOURCE : CLIENT (EXISTING PROJECT DETAILS)**
- PROJECT SITE BOUNDARY CORNER (GPS SURVEY POINT IDENTIFIED BY THE CLIENT)
- EXISTING DETAILS
- UTILITY CORRIDOR / SERVICE CORRIDOR
- SEZ ROAD
- GIDC ROAD
- STATE HIGHWAY NO.6
- PLOT BOUNDARY
- ▨ DEDICATED CORRIDOR
- ▨ SEZ PART - 1 BOUNDARY
- ▨ SEZ PART - 2 BOUNDARY

Note:

1. Coastal Regulation Zone Map of the site is prepared considering Approved CZMP as per CRZ Notification 2011 of MoEF, GoI
2. Superimposition of Approved CZMP is subject to scale and generalisation error
3. The map comes with a report wherein description of CRZ zonation of project layout details are given. This map is to be referenced and used along with the report bearing the same reference no: AU/IRS/SSR/43-2021 DT. 07.07.2021
4. The DGPS Survey was carried out specific to the referred project site boundary only hence, validation of HTL and CRZ Boundary is limited to the clearance of the same. Institute of Remote Sensing do not carry responsibility for CRZ status of other plots or neighbourhood.



PREPARED BY
**INSTITUTE OF REMOTE SENSING
ANNA UNIVERSITY
CHENNAI - 600 025**

REF NO. AU/IRS/SSR/43-2021 DT. 07.07.2021

FOR
**M/S. DAHEJ SEZ LIMITED
BLOCK NO. 14, 3RD FLOOR
UDYOG BHAVAN, SECTOR - 11
GANDHINAGAR - 382 017, GUJARAT**

PREPARED BY	<i>[Signature]</i>
VERIFIED BY	<i>[Signature]</i>
APPROVED BY	<i>[Signature]</i> Prof. D. Thirumalvasan, B.E.M.Tech.Ph.D., Director Institute of Remote Sensing Anna University, Chennai-600 025.

Map No. 84 & 85
Date 14-3-22
Map Set - I
12 to 12
GCL, Gandhinagar

Annexure 4: List of Allottees

Sr. No.	Name & Address	Plot No.	Approx. Area (in Sq. Mtr.)
Part –I Processing Area			
1	ONGC Petro Additions Ltd. (OPAL)	Z/1, Z/83	50,30,046.74
		Z/83/1	54,001.27
		Z/84/1/B & Road- Corridor area	2,15,058.40
2	Pidilite Industries Ltd.	Z/2	2,01,503.90
3	DIC Fine Chemicals Pvt. Ltd.	Z/3	2,01,268.89
4	Neesa Infrastructure Ltd.	Z/88/3	18,650.00
	Neesa Infrastructure Ltd.	Z/88/2	11,955.99
5	Indofil Industries Limited (Dahej SEZ Unit)	Z/8	62,640.45
6	Firmenich Aromatics Production (India) Pvt. Ltd.	Z/10	2,19,145.32
7	Glomet Technologies Pvt. Ltd.	Z/22	9,375.00
8	Meghmani Industries Ltd.	Z/6	75,730.00
		Z/10/1	3,270.00
9	Sarju Impex Limited	Z/13	26,152.40
10	Meghmani Organics Ltd.	Z/31 Z/32	87,055.13
11	Meghmani Unichem Limited Liability Partnership	Z/34	53,853.17
12	Panama Petrochem Ltd.	Z/23 Z/24	16,262.08
13	Torrent Power Ltd.	Z/9	11,07,157.94
14	Torrent Power Ltd.	Z/21	18,060.41
15	Sigachi Industries Pvt. Ltd.	Z/16	10,776.77
16	P&J Cretechem (P) Ltd.	Z/17 Z/18	20,695.00
17	Ramdev Chemical Industries	Z/19 Z/20	20,000.00
18	Gujarat Dyestuff Industries	Z/25 Z/26 Z/27 Z/28	74,473.28
19	Sun Pharmaceutical Industries Ltd.	Z/15	89,280.25
20	CS Performance Chemicals Pvt. Ltd.	Z/33	20,639.37
21	CS Performance Chemicals Pvt. Ltd.	Z/76 Z/77	10,000.00
22	Roxul Rockwool Insulation India Pvt. Ltd.	Z/4	94,162.82
23	Aries Colorchem Pvt. Ltd.	Z/29 Z/30	34,899.30
24	Gujarat State Petronet Limited	Z/7	5,506.57
25	Breeze Intermediates Pvt. Limited	Z/39	5,000.00
26	Bharat Sanchar Nigam Limited	Part of Plot from Z/14/1	300.00
27	Shiva Pharma Chem Limited	Z/88 Z/88/4	1,10,491.26
28	Thema Nutriment & Packaging Pvt. Ltd.	Z/73 Z/74 Z/75	16,525.95
29	APPL Industries Ltd.	Z/45 Z/46 Z/47	31,720.59
30	Euclid Constructions Limited	Z/68	2,677.09
31	Fernas Construction India Pvt. Ltd.	Z/55	11,593.06

Sr. No.	Name & Address	Plot No.	Approx. Area (in Sq. Mtr.)
32	Indo Baijin Chemicals Pvt. Ltd.	Z/7/1	50,000.00
33	Indofil Industries Ltd.	Z/12/1	50,222.66
34	Bitumode International Pvt. Ltd.	Z/43 Z/44	12,547.83
35	Kumar Organic Products Ltd.	Z/35 Z/36 Z/37 Z/38	21,261.72
36	Accent Microcell Pvt. Ltd.	Z/59 Z/60 Z/63 Z/64	20,060.45
37	Unique Techno Associates Pvt. Ltd.	Z/41 Z/42	10,000.00
38	Babaji Shivram Clearing & Carriers Pvt. Ltd.	Z/70	7,084.23
39	Mascon Color Chem Pvt. Ltd.	Z/12/2	12,974.62
40	Camlin fine Sciences Ltd	Z/78 Z/79	10,005.83
41	Astra Specialty Compounds India Pvt. Ltd.	Z/56 Z/57 Z/58 Z/65 Z/66 Z/67	29,629.81
42	Prakash Chemicals International Pvt. Ltd.	Z/53 Z/54	12,529.31
43	Annie Chemie Pvt. Ltd.	Z/40	5,034.13
44	Ana Industries Pvt. Ltd.	Z/88/1	10,241.31
45	Axiom Chemicals Pvt. Ltd.	Z/80	5,001.82
46	Omgene Life Science Pvt. Ltd.	Z51 & Z/52	12,509.00
47	Soft Rainbow Pvt. Ltd.	Z/71 & Z/72	22,081.41
48	CS Specialty Chemicals Ltd.	Z/81 & Z/82	9,886.12
49	Vidhi Specialty Food Ingredients Ltd	Z/61 & Z/62	10,060.40
50	Insecticides (India) Ltd.	Z/50	6,301.92
51	Agro Fine Sciences Corporation	Z/86/C	25,013.02
52	Sigachi Industries Ltd.	Z/85/1/A	80,000.00
53	Fame Biofuels Pvt. Ltd.	Z/87/A	18,094.49
54	Steamhouse India Ltd.	Z/85/2/A1	20,011.74
55	Meghna colour chem Pvt. Ltd.	Z/85/2/A2	15,001.90
56	Uma Corporation	Near Customs gate Part-1	124.04
57	CS Performance Chemicals Pvt. Ltd.	Z/86/B	59,486.32
58	Deepak Chem Tech Limited	Z/86/A Z/86/B Z/86/C	4,19,451.72
59	Heliosol Novo Pvt. Ltd.	Z/86/A/1	32,120.60
60	Transport India 3PL	Z/85/2/A	17,500.00
Sub-Total (A)			10,04,236.40
Part-II Processing Area			
1	Oil and Natural Gas Corporation Ltd. C2-C3 Plant – Dahej	7-D	5,98,010.78
2	Godrej & Boyce Mfg. Co. Ltd.	Z/90 & Z/91	2,24,845.01
3	ISGEC Heavy Engineering Ltd.	Z/89	1,87,179.59
4	Rallis India Ltd.	Z/110	2,25,138.00
4	Rallis India Ltd.	Z/112	83,110.70
5	Torrent Power Ltd.	Z/101/1	1,55,419.17
5	Torrent Power Ltd.	Z/101/1	47,187.76
6	Torrent Pharmaceuticals Ltd.	Z/104, Z/105, Z/106	2,75,726.66

Sr. No.	Name & Address	Plot No.	Approx. Area (in Sq. Mtr.)
		Z/107	98,445.60
7	Fermenta Biotech Ltd.	Z/109/B Z/109/C	30,689.39
8	Gujarat State Petronet Limited	Z/112/A	6,095.43
9	Coromandal International Ltd.	Z/103/G	51,659.39
10	Bharat Sanchar Nigam Limited	Part of Plot from Z/100/1	720.82
11	Hindusthan M-I Swaco Limited	Z/109/A	54,368.65
12	Glenmark Pharmaceuticals Limited	Z/103/I	67,165.21
13	Tega Industries Ltd.	Z/103/J	98,703.09
14	Tatva Chintan Pharma Chem Pvt. Ltd.	Z/103/F/I Z/103/F/2	20,098.45 31,724.19
15	Benzo Chem Industries Pvt. Ltd.	Z/103/D	47,613.19
16	Aarti Industries Ltd.	Z/103/H	50,148.40
17	Ajanta Pharma Limited	Z/103/A	85,034.32
18	RAKS Pharma Pvt. Ltd.	Z/111/A	67,221.45
19	Holtec Asia Pvt. Ltd.	Z/103/E	36,758.12
20	Milan Laboratories (I) Pvt. Ltd.	Z/96/A	37,663.14
21	Dorf Ketal (I) Pvt. Ltd.	Z/108	86,565.06
22	Thermax Ltd.	Z/96/C	60,074.48
23	Neogen Chemicals Ltd.	Z/109	49,829.04
24	Yashashvi Rasayan Pvt. Ltd.	Z/96/E	71,101.90
25	Camlin fine Sciences Ltd	Z/96/D	67,816.77
26	HLE Engineers Pvt. Ltd.	Z/96/B	43,502.42
27	IPG Asia Pvt. Ltd.	Z/103/B	82,120.33
28	Trustin Tape Pvt. Ltd.	Z/111/E	59,827.85
29	Hema Dyechem Pvt. Ltd.	Z/112/B	19,836.99
30	Aarti Industries. Ltd.	Z/103/C	54,754.33
31	Roha Dyechem Pvt Ltd.	Z/101	35,705.25
32	Aarti Industries. Ltd.	Z/111/C & D Z/111/B	1,15,022.45 53,495.24
33	Neogen Ionics Ltd.	Z/109/D	6,455.25
34	Uma Corporation	Near Customs gate Part-2	124.04
Sub Total (B)			33,86,957.91
Part-III – Non-Processing Area			
1	Sapthagiri Hospitality Pvt. Ltd.	Z/4/3	41,090.00
2	Shrikunj Hospitality Pvt. Ltd.	Z/4/1	26,302.61
3	ISGEC Heavy Engineering Ltd.	Z/94/C	6,139.62
4	Godrej & Boyce Mfg. Co. Ltd.	Z/94/D	8,310.92
Sub Total (C)			81,843.15
Grand Total (A + B + C)			44,73,037.46

Copy of comprehensive Monitoring Report
Period: April 2024 to September 2024

ENVIRONMENT MONITORING REPORT

Period: April 2024 to September 2024

FOR



M/s. Dahej SEZ Ltd. (SEZ Developer)



Located at

Dahej SEZ Part - I

At & Post: Dahej, Taluka – Vagra,
Dist. Bharuch – 392 140, Gujarat

**Report Prepared by
Ecosystem Resource Management Pvt. Ltd.**

Office Floor, Ashoka Pavilion'A', New Civil Road, Surat, Gujarat.

(NABL ACCREDITED NO. TC-6603)

E-mail: eco@ecshripad.com

Tel No: +912612231630

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1. METEOROLOGICAL MONITORING REPORT



Period: April 2024 to September 2024

FOR

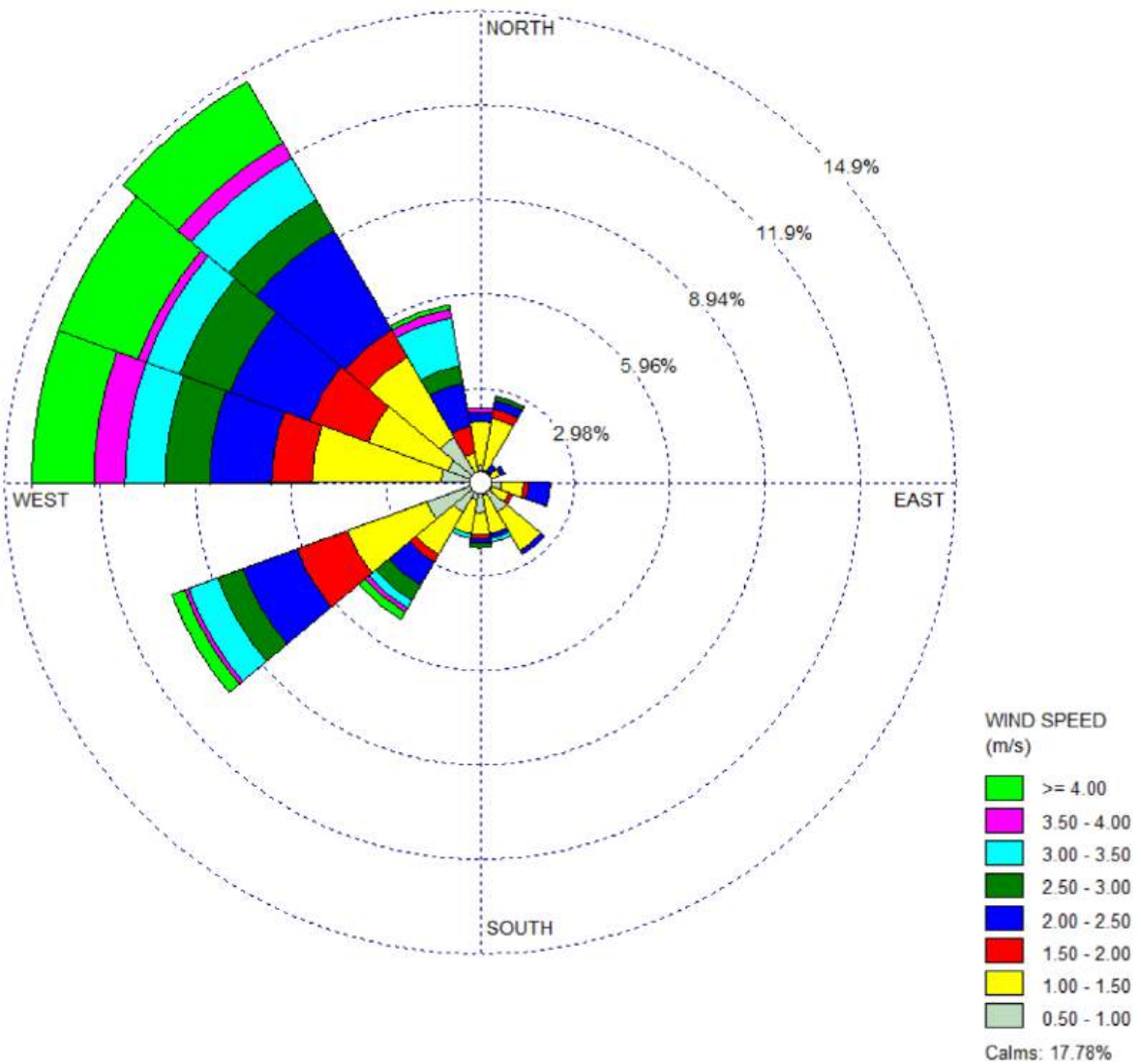


M/s. Dahej SEZ Ltd. (SEZ Developer)

**Located at
Dahej SEZ Part - I
At & Post: Dahej, Taluka – Vagra,
Dist. Bharuch – 392 140, Gujarat**

WIND ROSE PLOT:
M/s.Ecosystem Resource Management PVT.LTD
M/S. SEZ

DISPLAY:
Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD: Start Date: 1/4/2024 - 00:00 End Date: 30/4/2024 - 23:00	COMPANY NAME: M/s.Ecosystem Resource Management Pvt.Ltd	
		MODELER: M/s. SEZ	
	CALM WINDS: 17.78%	TOTAL COUNT: 719 hrs.	
	AVG. WIND SPEED: 1.66 m/s	DATE: 3/5/2024	PROJECT NO.: 1

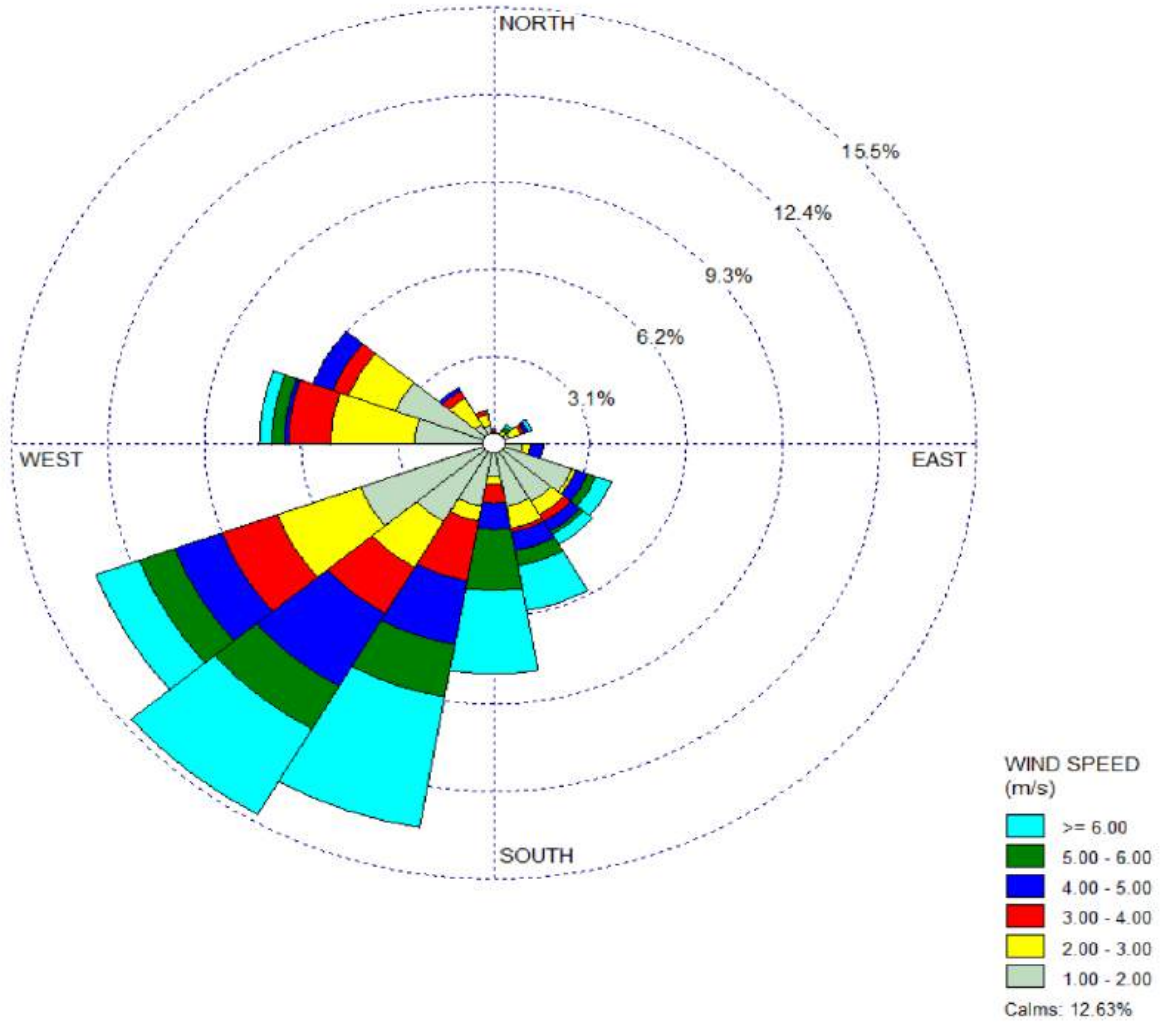
1.1. WIND ROSE DIAGRAM: APRIL 2024

WIND ROSE PLOT:

Station # 1 - DAHEJ SEZ, GJ

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:

DATA PERIOD:

Start Date: 01.05.2024 - 00:00
End Date: 31.05.2024 - 23:00

COMPANY NAME:

ECOSYSTEM RESOURCE MANAGEMENT PVT.LTD.

MODELER:

DAHEJ SEZ

CALM WINDS:

12.63%

TOTAL COUNT:

741 hrs.

AVG. WIND SPEED:

3.19 m/s

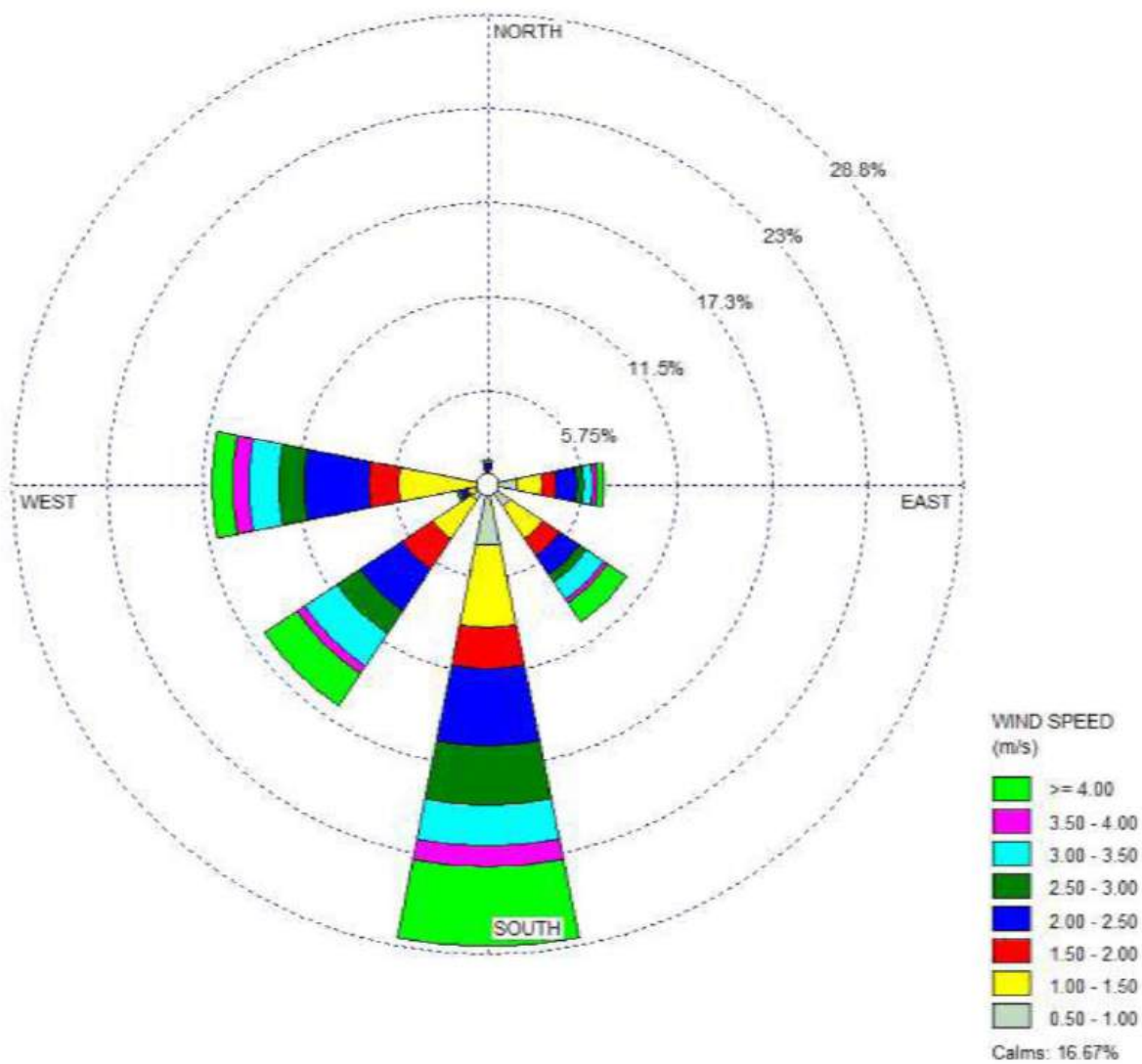
DATE:

05-06-2024

PROJECT NO.:

WRPLOT View - Lakes Environmental Software

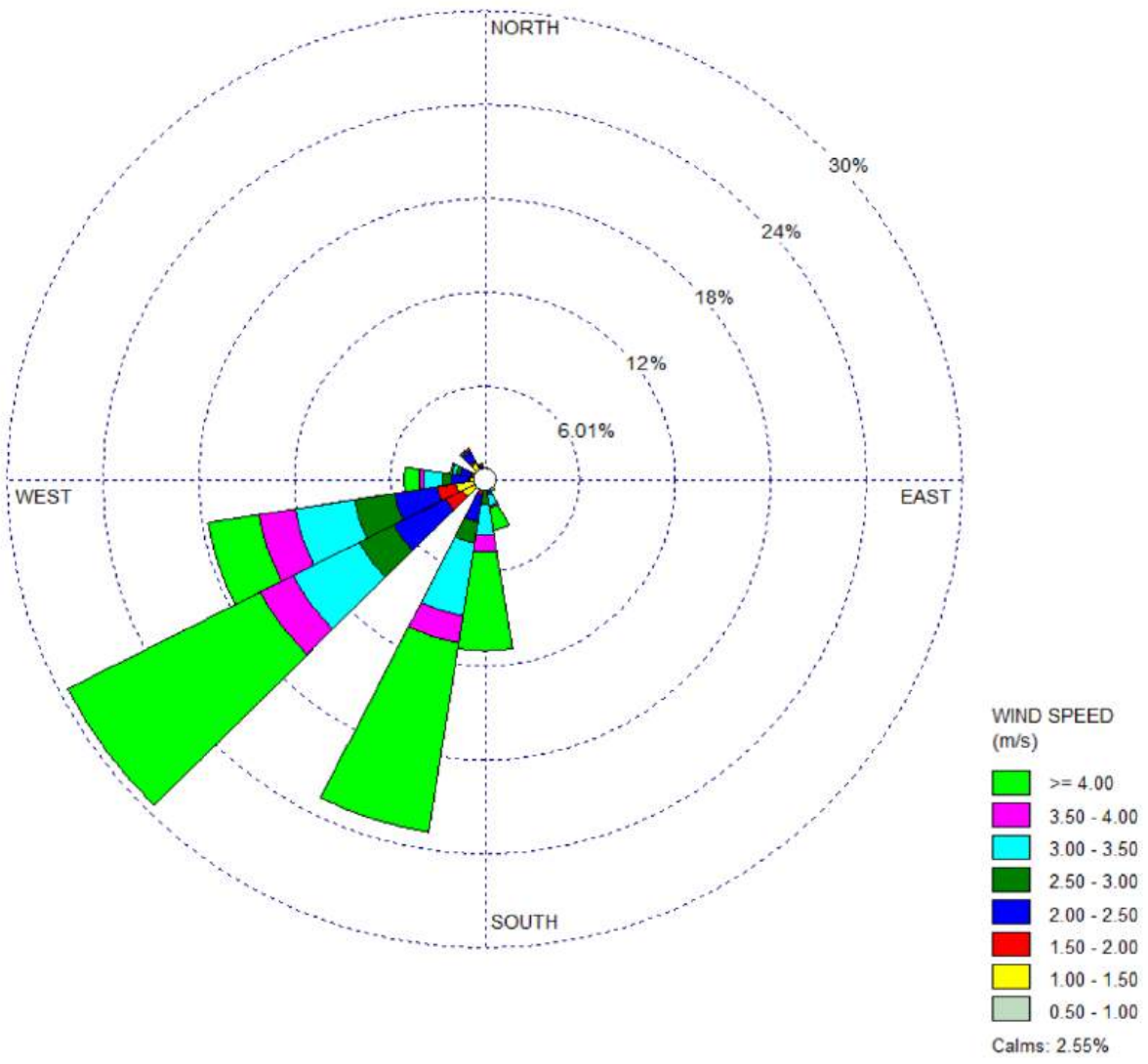
1.2. WIND ROSE DIAGRAM: MAY 2024



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 1/6/2024 - 00:00 End Date: 30/6/2024 - 23:00	M/s.Ecosystem Resource Management Pvt.Ltd	
	CALM WINDS:	MODELER:	
	16.67%	M/s. SEZ	
AVG. WIND SPEED:	TOTAL COUNT:	DATE:	PROJECT NO.:
1.91 m/s	720 hrs.	4/7/2024	1

WRPLOT View - Lakes Environmental Software

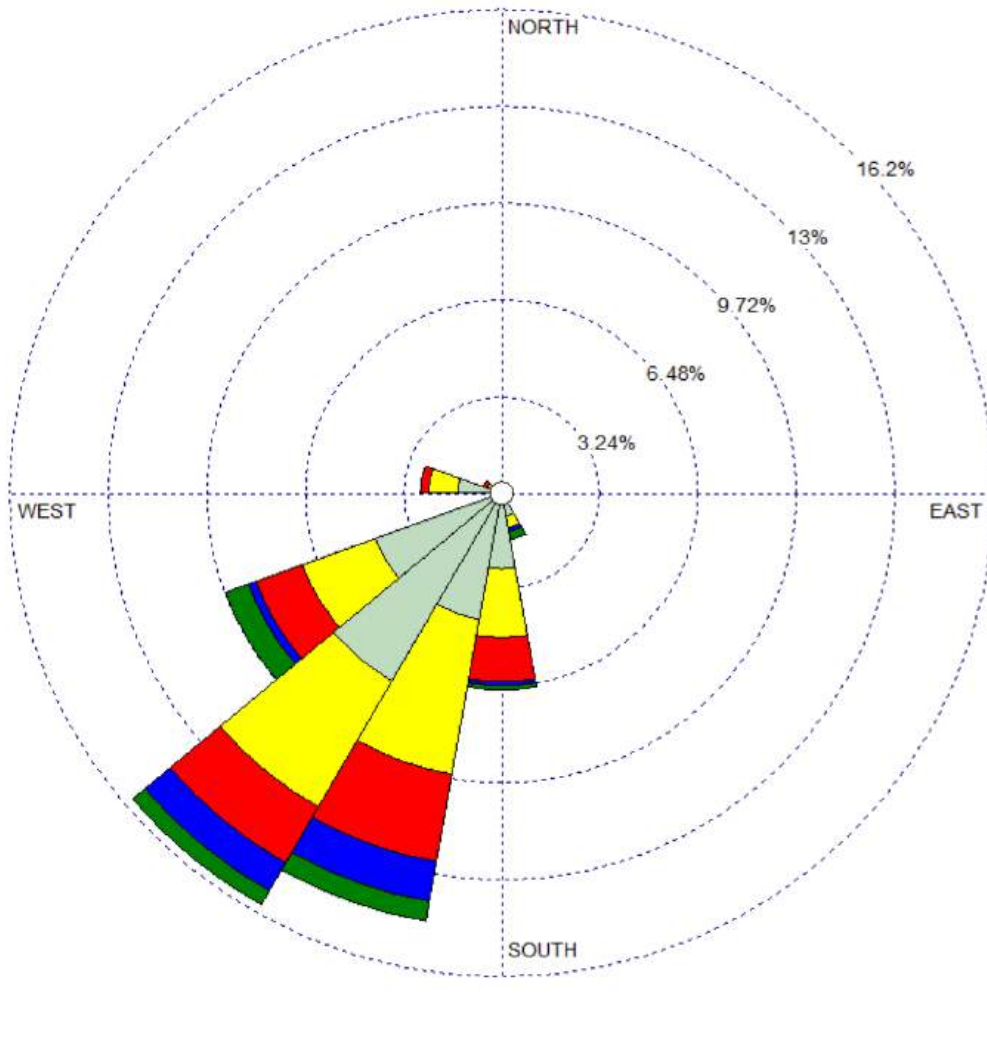
1.3. WIND ROSE DIAGRAM: JUNE 2024



COMMENTS:	DATA PERIOD: Start Date: 1/7/2024 - 00:00 End Date: 31/7/2024 - 23:00	COMPANY NAME: M/s.Ecosystem Resource Management Pvt.Ltd	
		MODELER: M/s.DAHEJ SEZ	
	CALM WINDS: 2.55%	TOTAL COUNT: 744 hrs.	
	AVG. WIND SPEED: 3.53 m/s	DATE: 4/8/2024	PROJECT NO.: 1

WRPLOT View - Lakes Environmental Software

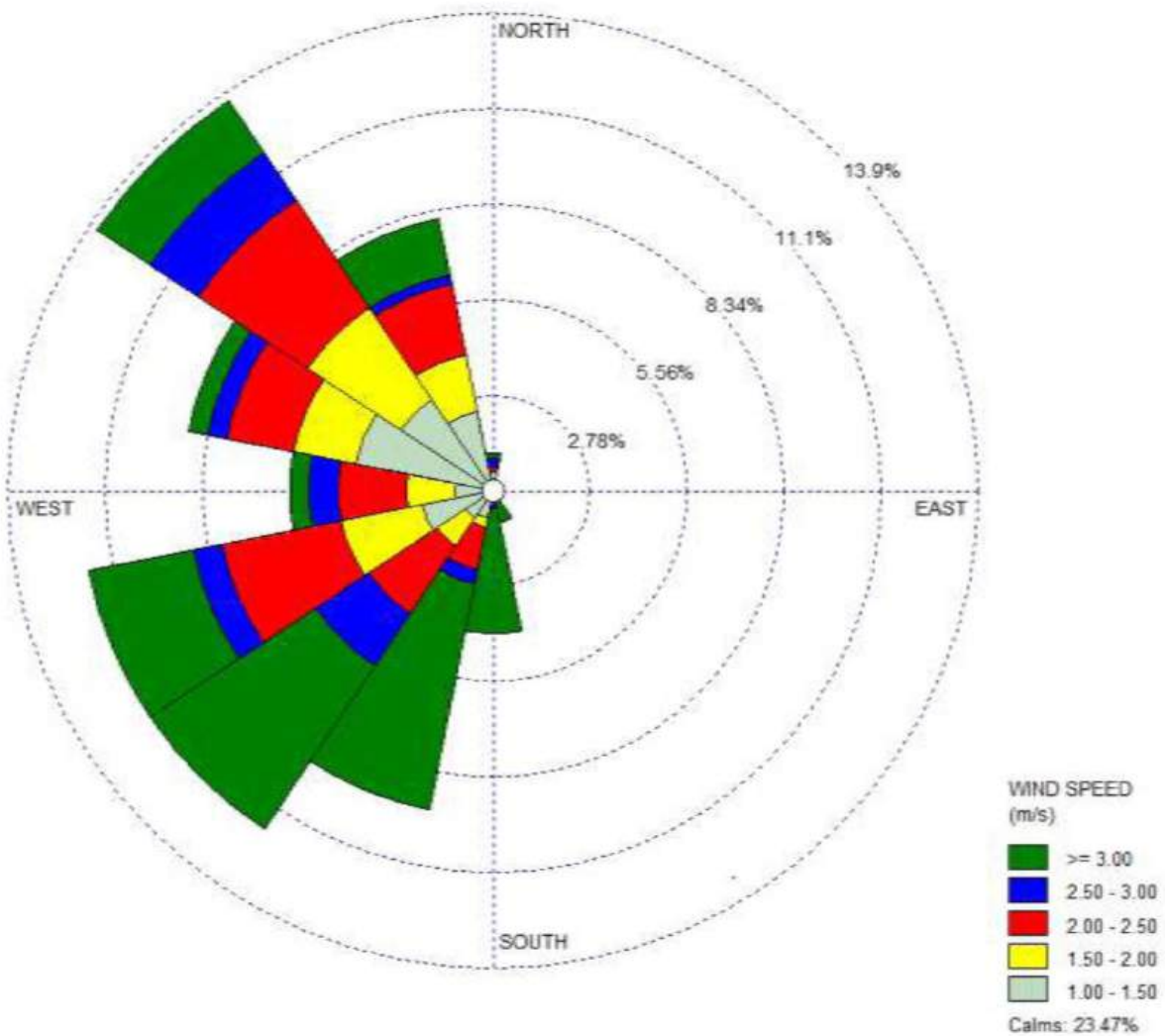
1.4. WIND ROSE DIAGRAM: JULY 2024



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 1/8/2024 - 00:00 End Date: 31/8/2024 - 23:00	M/s.Ecosystem Resource Management Pvt.Ltd	
	CALM WINDS:	MODELER:	
	47.85%	M/s.DAHEJ SEZ	
AVG. WIND SPEED:	TOTAL COUNT:		
9.21 m/s	744 hrs.	DATE:	PROJECT NO.:
		3/9/2024	1

WRPLOT View - Lakes Environmental Software

1.5. WIND ROSE DIAGRAM: AUGUST 2024



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 1/9/2024 - 00:00 End Date: 30/9/2024 - 23:00	M/s.Ecosystem Resource Management Pvt.Ltd	
		MODELER:	
		M/s.DAHEJ SEZ	
	CALM WINDS:	TOTAL COUNT:	
	23.47%	720 hrs.	
	AVG. WIND SPEED:	DATE:	PROJECT NO.:
	1.97 m/s	4/10/2024	1

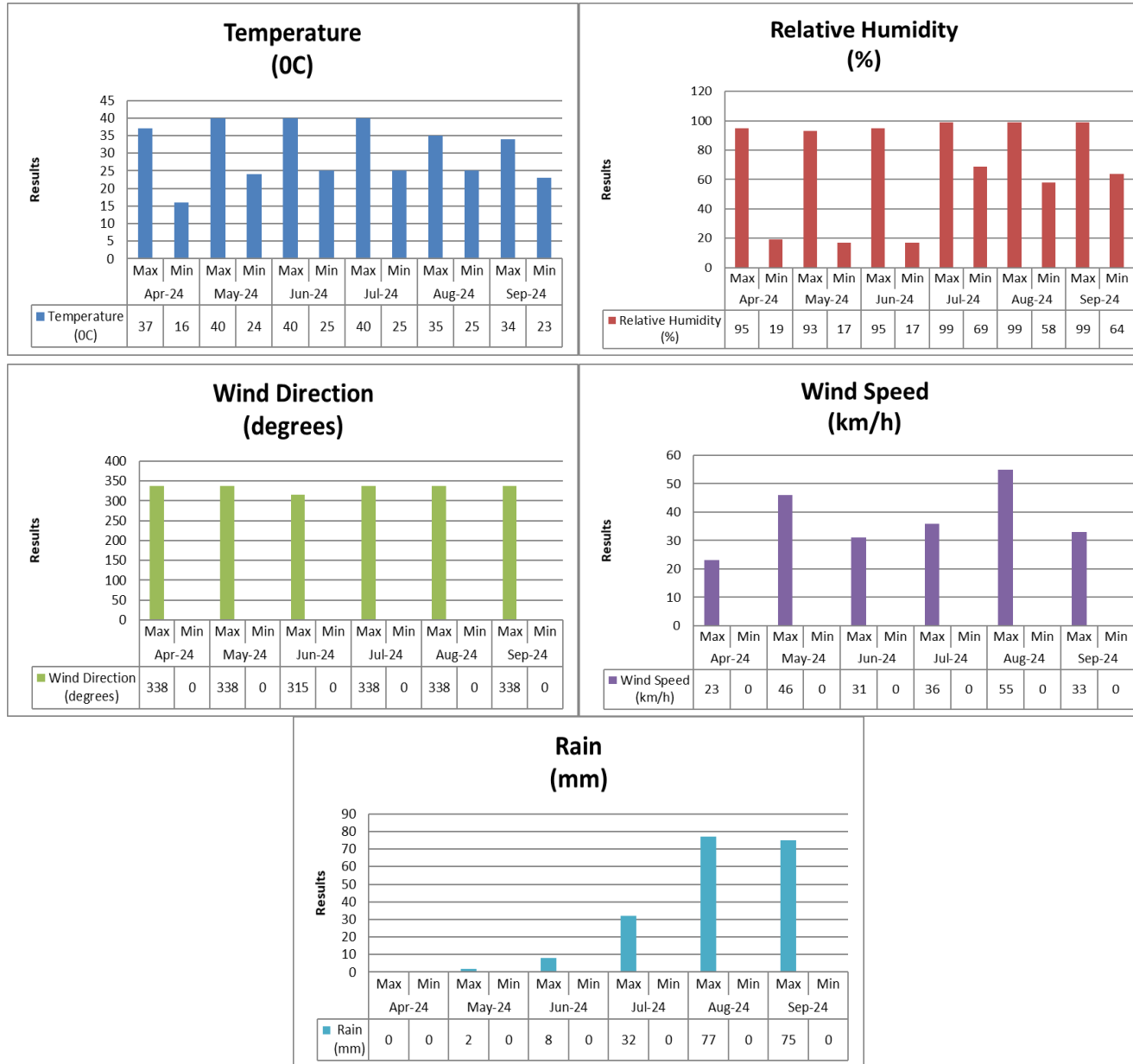
WRPLOT View - Lakes Environmental Software

1.6. WIND ROSE DIAGRAM: SEPTEMBER 2024

1.7. Meteorological Monitoring Data (April 2024 to September 2024)

Location: SEZ-I Area Latitude: 21°42'55"N Longitude: 72°39'22"E		Period: April 2024 to September 2024 Instrument: AW002 (During : April 2024 to September 2024)				
Month	Max./Min.	Temperature (°C)	Relative Humidity (%)	Wind Direction (degrees)	Wind Speed (km/h)	Rain (mm)
April 2024	Max.	37.0	95.0	338.0	23	0.0
	Min.	16.0	19.0	0.0	0.0	0.0
May 2024	Max.	40.0	93.0	338.0	46.0	2.0
	Min.	24.0	17.0	0.0	0.0	0.0
June 2024	Max.	40.0	95.0	315.0	31.0	8.0
	Min.	25.0	17.0	0	0.0	0.0
July 2024	Max.	40.0	99.0	338.0	36.0	32.0
	Min.	25.0	69.0	0.0	0.0	0.0
August 2024	Max.	35.0	99.0	338.0	55.0	77.0
	Min.	25.0	58.0	0.0	0.0	0.0
September 2024	Max.	34.0	99.0	338.0	33.0	75.0
	Min.	23.0	64.0	0.0	0.0	0.0
Max.		40	99	338	55	77
Min.		16	17	0	0	0

Parameter wise Graphical Representation of Meteorological data



2. AMBIENT AIR QUALITY MONITORING REPORT



Period: April 2024 to September 2024



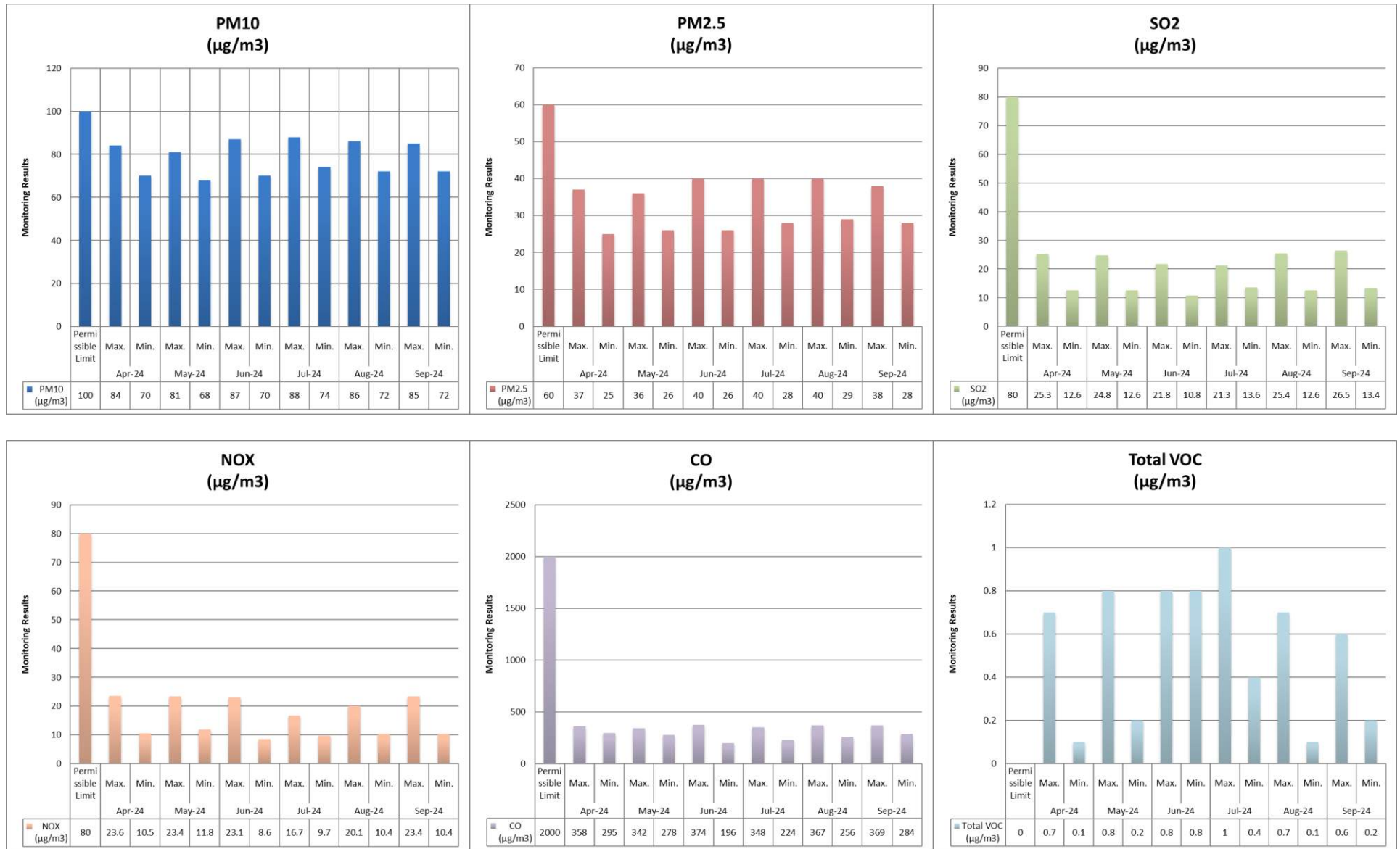
M/s. Dahej SEZ Ltd. (SEZ Developer)

**Located at
Dahej SEZ Part - I
At & Post: Dahej, Taluka – Vagra,
Dist. Bharuch – 392 140, Gujarat**

2.1. Ambient Air Quality Monitoring Data, SEZ-I, Admin Building (April 2024 to September 2024)

Location: SEZ-I, Admin Building Latitude: 21.7111303 N Longitude: 72.6073576 E	Period: April 2024 to September 2024 Instrument: PM10 & PM2.5 COMBO SAMPLER (Sr. No. 200604138) [During April 2024 to September 2024]						
Month	Max./Min.	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)	Total VOC as Isobutylene (ppm)
April 2024	Max.	84.0	37.0	25.3	23.6	358.0	0.7
	Min.	70.0	25.0	12.6	10.5	295.0	0.1
May 2024	Max.	81.0	36.0	24.8	23.4	342.0	0.8
	Min.	68.0	26.0	12.6	11.8	278.0	0.2
June 2024	Max.	87.0	40.0	21.8	23.1	374.0	0.8
	Min.	70.0	26.0	10.8	8.6	196.0	0.8
July 2024	Max.	88.0	40.0	21.3	16.7	348.0	1.0
	Min.	74.0	28.0	13.6	9.7	224.0	0.4
August 2024	Max.	86.0	40.0	25.4	20.1	367.0	0.7
	Min.	72.0	29.0	12.6	10.4	256.0	0.1
September 2024	Max.	85.0	38.0	26.5	23.4	369.0	0.6
	Min.	72.0	28.0	13.4	10.4	284.0	0.2
Max.		88	40	26.5	23.6	374	1
Min.		68	25	10.8	8.6	196	0.1

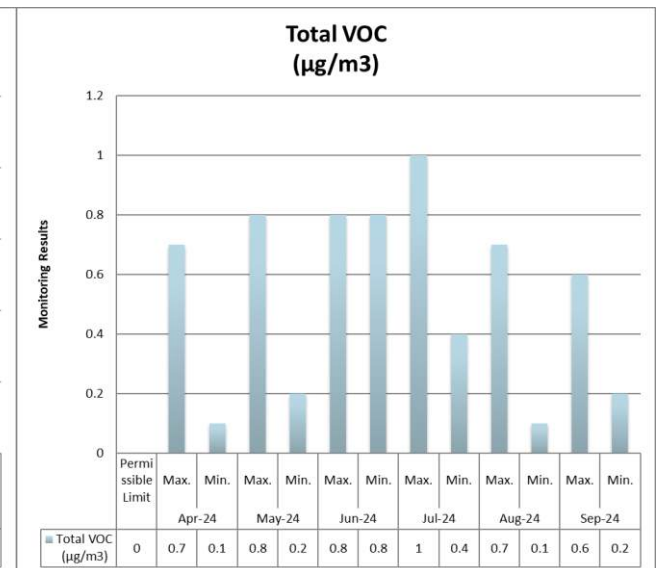
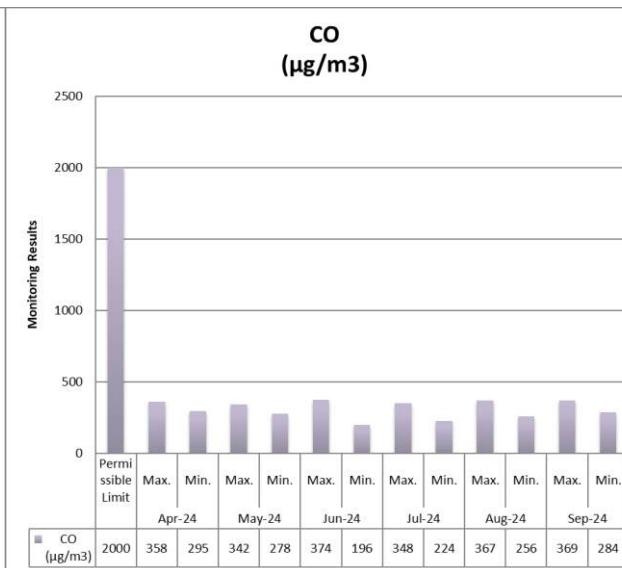
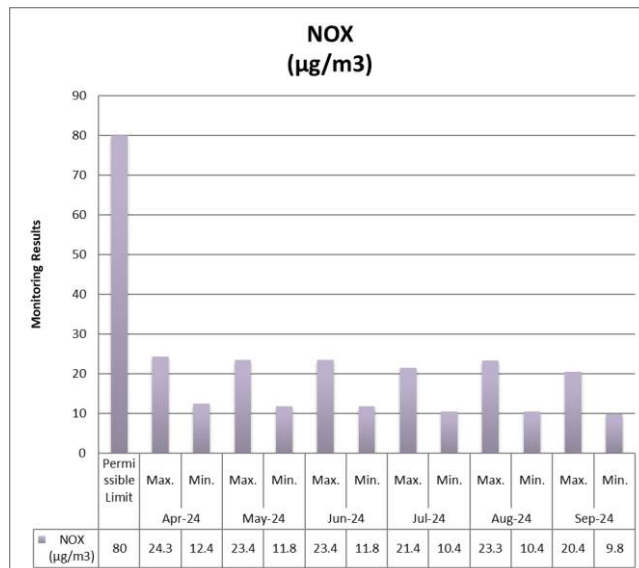
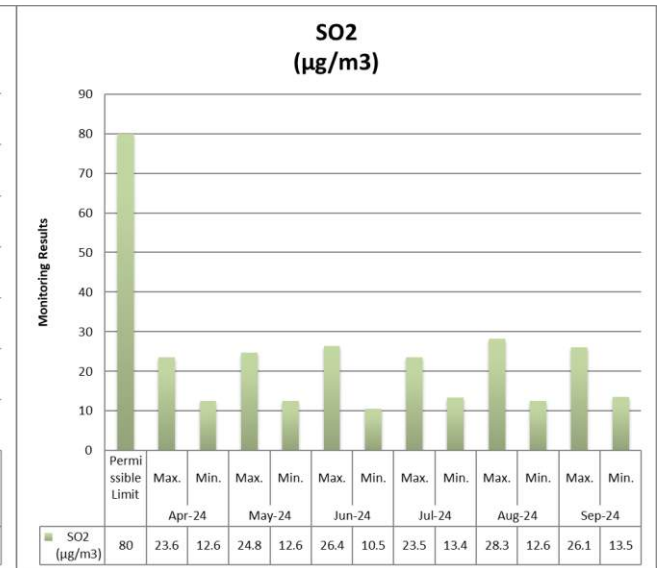
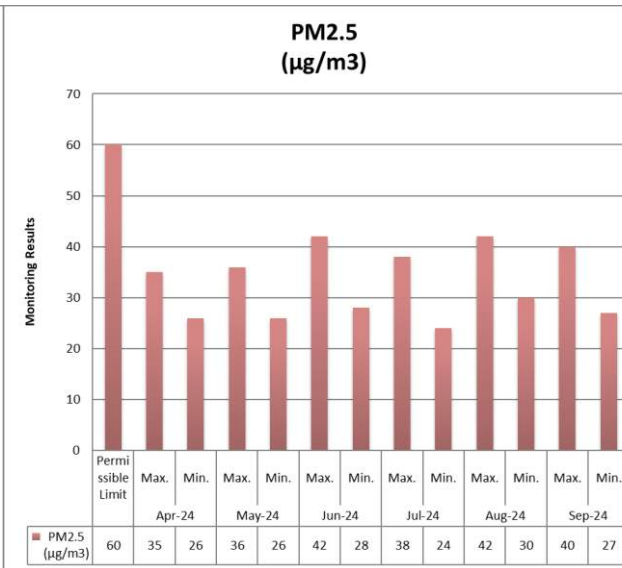
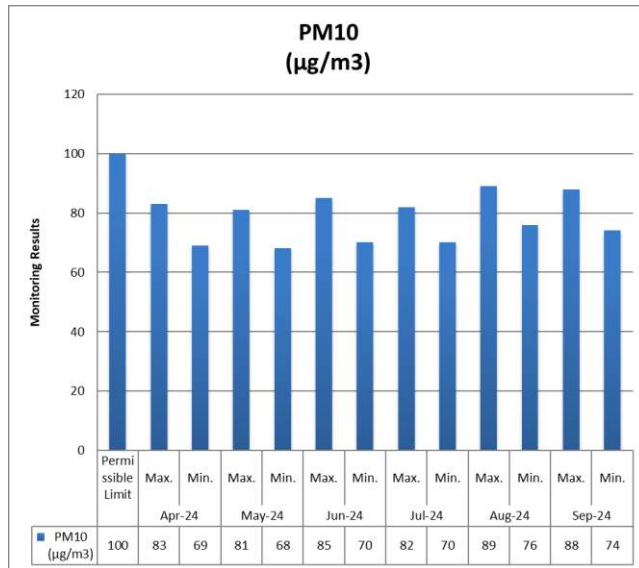
Parameter wise Graphical Representation of Ambient Air Quality at SEZ-I, Admin Building



2.2. Ambient Air Quality Monitoring Data, SEZ-II, Admin Building (April 2024 to September 2024)

Location: SEZ-II, Admin Building Latitude: 21.6866532 N Longitude: 72.5548602 E		Period: April 2024 to September 2024 Instrument: PM10 & PM2.5 COMBO SAMPLER (Sr. No. 200604138) [During April 2024 to September 2024]					
Month	Max./Min.	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)	Total VOC as Isobutylene (ppm)
April 2024	Max.	83.0	35.0	23.6	24.3	345.0	0.9
	Min.	69.0	26.0	12.6	12.4	274.0	0.2
May 2024	Max.	81.0	36.0	24.8	23.4	342	0.8
	Min.	68.0	26.0	12.6	11.8	278	0.2
June 2024	Max.	85.0	42.0	26.4	23.4	341.0	0.7
	Min.	70.0	28.0	10.5	11.8	268.0	0.2
July 2024	Max.	82.0	38.0	23.5	21.4	345.0	0.8
	Min.	70.0	24.0	13.4	10.4	286.0	0.3
August 2024	Max.	89.0	42.0	28.3	23.3	342.0	0.8
	Min.	76.0	30.0	12.6	10.4	275.0	0.2
September 2024	Max.	88.0	40.0	26.1	20.4	338.0	0.5
	Min.	74.0	27.0	13.5	9.8	279.0	0.1
Max.		89.0	42.0	28.3	24.3	345.0	0.9
Min.		68.0	24.0	10.5	9.8	268.0	0.1

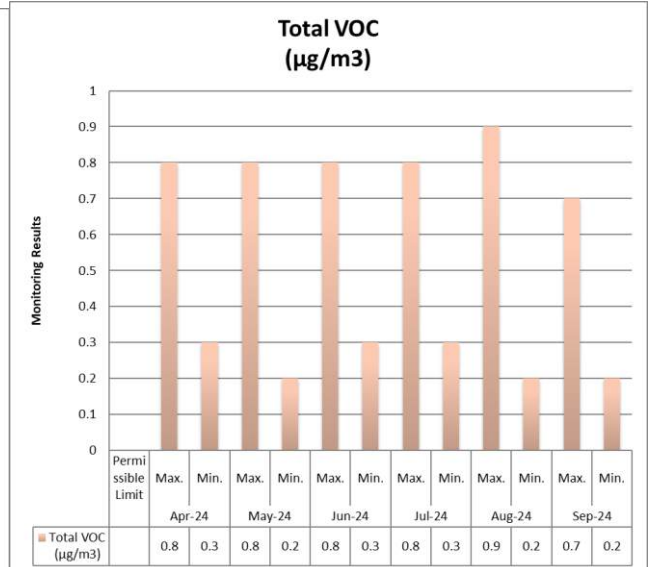
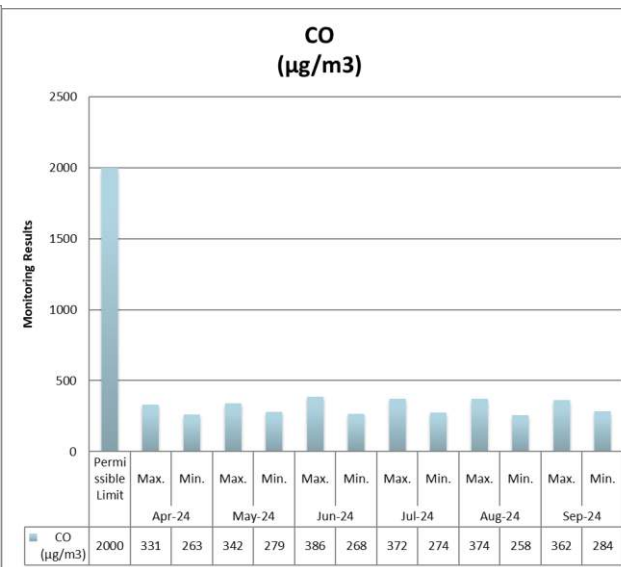
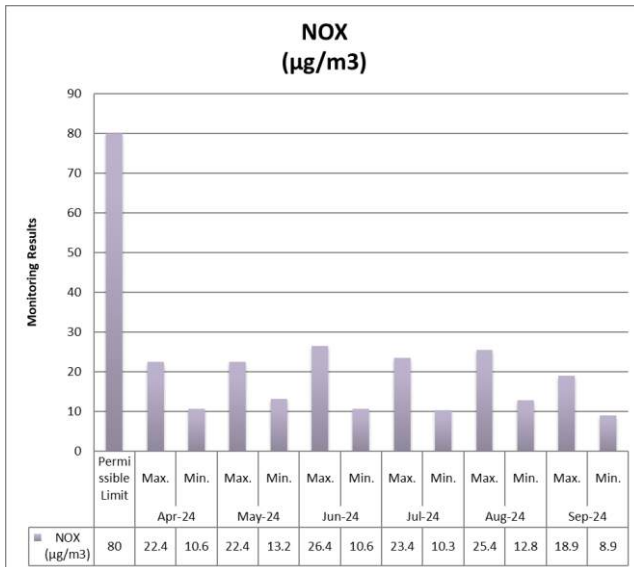
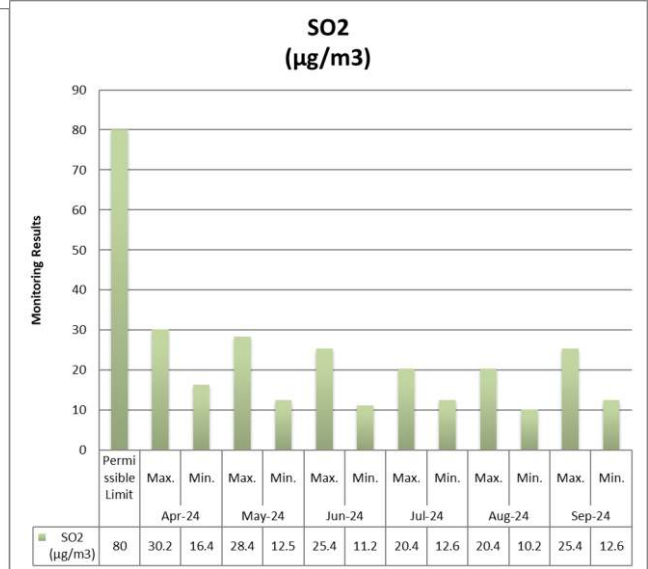
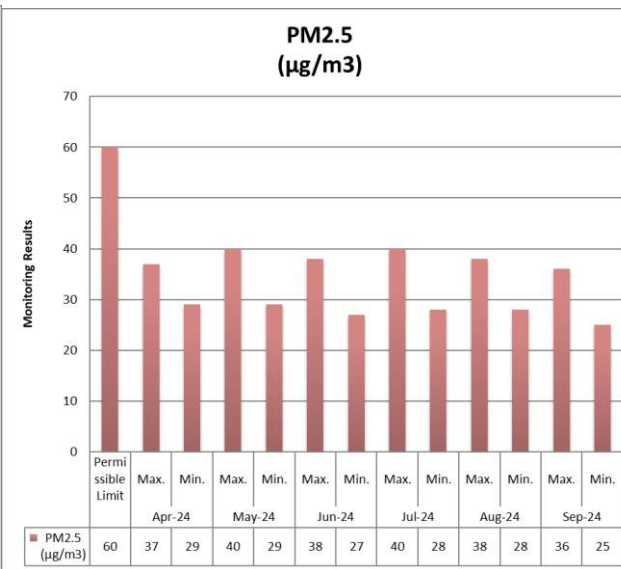
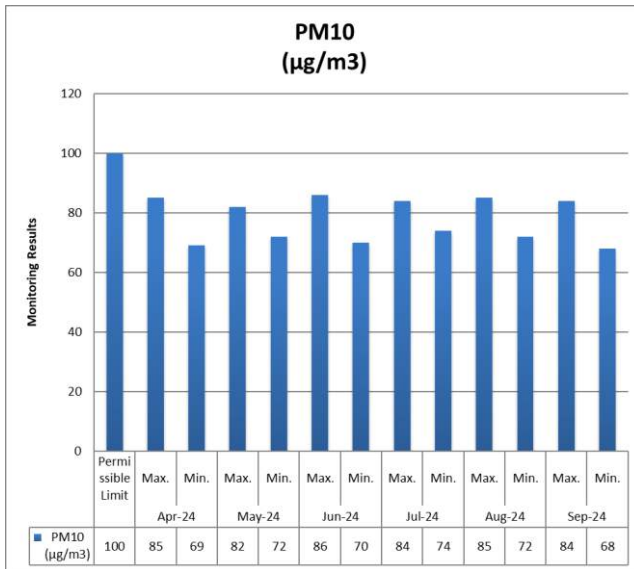
Parameter wise Graphical Representation of Ambient Air Quality at SEZ-II, Admin Building



2.3. Ambient Air Quality Monitoring Data, SEZ-I, Fire Station (April 2024 to September 2024)

Location: SEZ-I, Fire Station Latitude: 21.6984606 N Longitude: 72.6313318 E		Period: April 2024 to September 2024 Instrument: PM10 and PM 2.5 (Combo Sampler) Sr. No. 200604138) [During April 2024 to September 2024]					
Month	Max./Min.	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)	Total VOC as Isobutylene (ppm)
April 2024	Max.	85.0	37.0	30.2	22.4	331.0	0.8
	Min.	69.0	29.0	16.4	10.6	263.0	0.3
May 2024	Max.	82.0	40.0	28.4	22.4	342.0	0.8
	Min.	72.0	29.0	12.5	13.2	279.0	0.2
June 2024	Max.	86.0	38.0	25.4	26.4	386.0	0.8
	Min.	70.0	27.0	11.2	10.6	268.0	0.3
July 2024	Max.	84.0	40.0	20.4	23.4	372.0	0.8
	Min.	74.0	28.0	12.6	10.3	274.0	0.3
August 2024	Max.	85.0	38.0	20.4	25.4	374.0	0.9
	Min.	72.0	28.0	10.2	12.8	258.0	0.2
September 2024	Max.	84.0	36.0	25.4	18.9	362.0	0.7
	Min.	68.0	25.0	12.6	8.9	284.0	0.2
Max.		86.0	40.0	30.2	26.4	386.0	0.9
Min.		68.0	25.0	10.2	8.9	258.0	0.2

Parameter wise Graphical Representation of Ambient Air Quality at SEZ-I, Fire Station



3. NOISE LEVEL MONITORING REPORT



Period: April 2024 to September 2024



M/s. Dahej SEZ Ltd. (SEZ Developer)

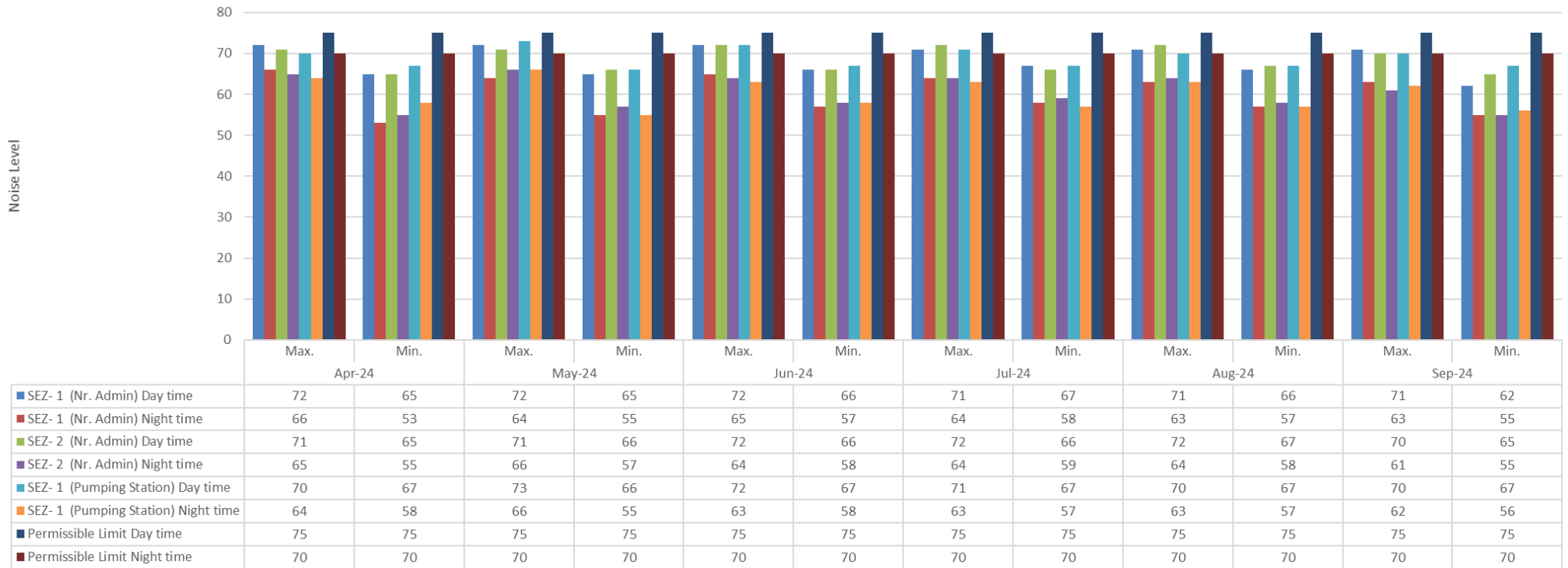
Located at
Dahej SEZ Part - I
At & Post: Dahej, Taluka – Vagra,
Dist. Bharuch – 392 140, Gujarat

3.1. Ambient Noise Level Monitoring Data (April 2024 to September 2024)

Period: April 2024 to September 2024		Sampling Method : IS 9989-1981(Reaffirmed 2001)							
Month	Max./Min.	SEZ- 1 (Nr. Admin)		SEZ- 2 (Nr. Admin)		SEZ- 1 (Pumping Station)		SEZ- 2 (Pumping Station)	
		Day time	Night time	Day time	Night time	Day time	Night time	Day time	Night time
April 2024	Max.	72.0	66.0	71.0	65.0	70.0	64.0	71.0	63.0
	Min.	65.0	53.0	65.0	55.0	67.0	58.0	66.0	55.0
May 2024	Max.	72.0	64.0	71.0	66.0	73.0	66.0	72.0	64.0
	Min.	65.0	55.0	66.0	57.0	66.0	55.0	67.0	56.0
June 2024	Max.	72.0	65.0	72.0	64.0	72.0	63.0	71.0	62.0
	Min.	66.0	57.0	66.0	58.0	67.0	58.0	67.0	57.0
July 2024	Max.	71.0	64.0	72.0	64.0	71.0	63.0	72.0	62.0
	Min.	67.0	58.0	66.0	59.0	67.0	57.0	67.0	58.0
August 2024	Max.	71.0	63.0	72.0	64.0	70.0	63.0	72.0	62.0
	Min.	66.0	57.0	67.0	58.0	67.0	57.0	67.0	58.0
September 2024	Max.	71.0	63.0	70.0	61.0	70.0	62.0	70.0	61.0
	Min.	62.0	55.0	65.0	55.0	67.0	56.0	67.0	56.0
Max.		72	66	72	66	73	66	72	64
Min.		62	53	65	55	66	55	66	55
Permissible Limit Day Time		<75 (6:00 am to 10:00 pm)							
Permissible Limit Night Time		<70 (10:00 pm to 6:00 am)							

Graphical Representation of Ambient Noise Quality

Ambient Noise Levels



4. WATER QUALITY MONITORING REPORT



Period: April 2024 to September 2024



M/s. Dahej SEZ Ltd. (SEZ Developer)

Located at
Dahej SEZ Part - I
At & Post: Dahej, Taluka – Vagra,
Dist. Bharuch – 392 140, Gujarat

4.1. Ground Water Quality Monitoring Data (April 2024 to June 2024)

Ground Water Sample	Month	April 2024				May 2024					June 2024						
	Date of Sampling	13/04/24	20/04/24	27/04/24	10/05/24	10/05/24	10/05/24	22/05/24	22/05/2024	22/05/2024	26/06/24	26/06/24	26/06/24	26/06/24	27/06/2024	27/06/2024	
Location		Dahej	Lakhigam	Luwara	Dahej	Suva	Lakhigam	Ambheth	Luwara	Jageshwar	Dahej	Lakhigam	Luwara	Jageshwar	Ambhetha	Suva	
S. No.	Test Parameters	Unit	Result														
01.	Temperature	°C	34	35	34	36	35	35	36	35	35	34	34	32	32	35	32
02.	pH @ 25°C	pH unit	7.72	7.52	7.69	7.82	7.64	7.72	7.58	7.54	7.78	7.75	7.82	7.63	7.54	7.62	7.81
03.	Colour	Pt. Co. Scale	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)
04.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
05.	Turbidity	NTU	0.5	0.6	0.7	0.4	0.6	0.5	0.6	0.4	0.4	0.5	0.4	0.3	0.5	0.3	0.5
06.	TDS	mg/L	1956	1796	1563	1792	1548	1642	1752	1872	1642	1842	1572	1245	1682	1542	1342
07.	Total Alkalinity	mg/L	583	286	258	476	278	282	292	269	279	486	257	278	278	285	289
08.	Chloride	mg/L	213	58	86	183	68	58	62	46	65	171	82	72	105	52	78
09.	Sulphate	mg/L	123	32	46	110	52	31	24	24	37	98	42	24	46	20	32
10.	Nitrate	mg/L	3.5	2.0	3.5	5.2	3.1	2.8	3.2	2.5	3.2	4.2	3.5	2.5	4.5	3.6	3.8
11.	Calcium	mg/L	128	38	38	114	28	30	24	24	16	104	32	27	36	41	29
12.	Magnesium	mg/L	56	16	25	42	19	15	11	12	10	38	24	20	18	24	15
13.	Fluoride	mg/L	0.6	0.5	0.4	0.5	0.6	0.3	0.5	0.6	0.5	0.4	0.5	0.5	0.4	0.5	0.4
14.	Phenolic compound	mg/L	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
15.	Residual chlorine	mg/L	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
16.	Iron	mg/L	0.03	0.04	0.03	0.02	0.03	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.03	0.01	0.03
17.	Zinc	mg/L	0.15	0.25	0.56	0.12	0.20	0.32	0.24	0.27	0.21	0.15	0.18	0.24	0.31	0.15	0.25

Note: BDL=Below Detection Limit, DL= Detection Limit

4.2. Ground Water Quality Monitoring Data (August 2024 to September 2024)

35Ground Water Sample		Month	August 2024		September 2024		
		Date of Sampling	24/08/24	28/08/2024	14/09/24	21/09/24	28/09/24
Location			Dahej	Lakhigam	Ambhetha	Jageshwar	Suva
S. No.	Test Parameters	Unit	Result				
01.	Temperature	°C	32	33	30	30	31
02.	pH @ 25°C	pH unit	7.82	7.68	7.72	7.65	7.75
03.	Colour	Pt. Co. Scale	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)	BDL (DL- 5)
04.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
05.	Turbidity	NTU	0.6	0.5	0.5	0.6	0.4
06.	TDS	mg/L	2153	1924	2542	1872	1542
07.	Total Alkalinity	mg/L	262	234	273	279	262
08.	Chloride	mg/L	213	146	315	158	132
09.	Sulphate	mg/L	102	72	158	108	79
10.	Nitrate	mg/L	5.2	3.0	6.5	3.8	4.5
11.	Calcium	mg/L	114	82	132	89	79
12.	Magnesium	mg/L	32	28	52	51	34
13.	Fluoride	mg/L	0.5	0.6	0.6	0.7	0.5
14.	Phenolic compound	mg/L	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
15.	Residual chlorine	mg/L	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
16.	Iron	mg/L	0.02	0.01	0.03	0.01	0.02
17.	Zinc	mg/L	0.10	0.14	0.15	0.28	0.20

Note: BDL=Below Detection Limit, DL= Detection Limit

4.3. Surface Water Quality Monitoring Data (April 2024 to July 2024)

Surface Water Sample	Month	April 2024						July 2024												
	Date of Sampling	03/04/24	05/04/24	05/04/24	02/07/24	02/07/24	10/07/24	13/07/24	13/07/24	15/07/24	15/07/24	22/07/24	23/07/24	23/07/24	23/07/24	25/07/24	30/07/24	31/07/24	31/07/24	
Location		Opp. Indofil	Nr. VSFL Outside wall	Nr. Indofil	NR. Roha (Storm water)	Nr. Benzochem (Storm water)	Nr. Ramdev (Storm water)	Nr. Ramdev in side (storm water)	Nr. Ramdev outside (storm water)	Nr. Camlin outside (storm water)	Nr. Glenmark life sciences (storm water)	Nr. Camlin outside (storm water)	Nr. Soft Rainbow color p.v.t (outside Ch.sample storm water-01)	Nr. Soft Rainbow color p.v.t (outside Ch.sample storm water-02)	Nr. Soft Rainbow color p.v.t (in side open plot sample storm water)	Nr. Benzochem outside (storm Water)	Nr. Camlin (storm Water)	Nr. Aarti industries LTD.Zone-3 ,103/C (Storm Water)	Nr. Benzochem outside (storm Water)	
S. No.	Test Parameters	Unit	Result																	
01.	Temperature	°C	30	32	34	28	33	34	34	34	36	34	30	34	32	34	29	32	33	33
02.	pH @ 25°C	pH unit	7.36	7.58	7.62	7.49	7.35	7.45	7.65	7.54	7.52	7.43	7.68	7.48	7.48	7.62	6.25	7.43	7.58	7.85
03.	Colour	Pt. Co. Scale	7	4	2	8	9	12	8	13	11	9	10	14	15	13	12	9	5	12
04.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
05.	Turbidity	NTU	42	4	3	12	16	17	11	16	13	6	13	16	16	14	14	11	10	13
06.	TDS	mg/L	625	452	472	845	786	946	675	742	723	542	864	912	923	842	1242	946	678	758
07.	Total Alkalinity	mg/L	245	142	124	242	224	247	232	221	230	219	242	253	248	238	268	224	224	231
08.	Chloride	mg/L	123	72	53	465	516	627	328	345	306	362	436	386	378	425	628	539	386	485
09.	Sulphate	mg/L	72	63	28	172	123	142	142	136	159	118	152	237	224	215	276	86	131	173
10.	Nitrate	mg/L	6.5	34.2	12.3	8.4	8.7	4.2	8.4	3.4	6.8	8.3	8.4	10.2	9.7	9.7	12.4	8.7	8.9	10.5
11.	Calcium	mg/L	56	75	42	152	142	152	131	128	142	135	162	147	137	146	186	134	128	153
12.	Magnesium	mg/L	41	53	29	54	35	41	54	86	82	42	83	72	63	54	84	42	35	52
13.	Fluoride	mg/L	0.8	0.6	0.3	0.7	0.7	0.6	0.7	0.5	0.5	0.5	0.7	0.9	1.1	0.7	1.0	0.6	0.6	0.6
14.	Phenolic compound	mg/L	0.3	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
15.	Residual chlorine	mg/L	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
16.	Iron	mg/L	0.32	0.45	0.32	0.35	0.40	0.40	0.42	0.34	0.40	0.52	0.52	0.52	0.48	0.54	0.52	0.34	0.32	0.34
17.	Zinc	mg/L	0.7	0.32	0.20	0.25	0.21	0.25	0.30	0.20	0.30	0.24	0.37	0.45	0.40	0.36	0.46	0.28	0.28	0.24
18.	COD	mg/L	387	102	68	231	218	172	213	196	71	84	268	190	196	236	240	127	135	178

Note: BDL=Below Detection Limit, DL= Detection Limit

4.4. Surface Water Quality Monitoring Data (August 2024 to September 2024)

Surface Water Sample			Month		August 2024				September 2024		
			Date of Sampling		03/08/24	03/08/24	07/08/24	28/08/24	05/09/24	09/09/24	09/09/24
Location			Nr. Roha (storm water)	Nr. Tega (Storm water)	Nr. Roha Discharge Point	Nr. Ramdev	Nr. Camlin	Nr. Macson Storm Water (Under Line)	Nr. Macson Storm Water (Boundary Line)		
S. No.	Test Parameters	Unit	Result								
01.	Temperature	°C	29	30	32	32	29	32	32		
02.	pH @ 25°C	pH unit	4.23	6.51	7.32	7.68	7.42	6.10	6.25		
03.	Colour	Pt. Co. Scale	10	4	7	8	8	11	9		
04.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
05.	Turbidity	NTU	18	10	12	15	15	12	14		
06.	TDS	mg/L	15245	825	1124	542	8423	10852	12453		
07.	Total Alkalinity	mg/L	462	215	235	214	258	462	385		
08.	Chloride	mg/L	2458	483	523	246	2185	4526	3415		
09.	Sulphate	mg/L	8423	242	374	142	3426	3852	5242		
10.	Nitrate	mg/L	182	10.2	22.8	15.2	82	162.5	182.3		
11.	Calcium	mg/L	342	121	86	123	289	228	216		
12.	Magnesium	mg/L	248	14	23	48	252	269	145		
13.	Fluoride	mg/L	3.4	0.5	0.7	0.9	3.0	1.8	1.6		
14.	Phenolic compound	mg/L	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)		
15.	Residual chlorine	mg/L	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)		
16.	Iron	mg/L	30.2	0.53	0.86	0.52	1.3	3.4	4.6		
17.	Zinc	mg/L	2.5	0.31	0.52	0.41	1.0	1.2	1.3		
18.	COD	mg/L	6960	114	320	421	306	1371	2040		

Note: BDL=Below Detection Limit, DL= Detection Limit

4.5. Marine Water Quality Monitoring Data (April 2024 to June 2024)

Marine Water Sample		Month	April 2024				May 2024				June 2024			
		Date of Sampling	13/04/24		27/04/24		13/05/24		23/05/2024		08/06/24		30/03/24	
Location		Unit	Marin (Suva)		Marin (Jetty)		Marine (Lakhigam)		Marine Nr.Reliance (Jetty)		Marine (Nr.Suva)		Marine (Nr.Jageshvar)	
			High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide
S. No.	Test Parameters	Unit	Result											
01.	Temperature	°C	32	32	33	33	32	32	34	35	34	34	34	34
02.	pH at 25°C	pH Unit	8.38	7.79	8.45	8.23	8.45	7.85	8.58	8.14	8.26	7.79	8.48	8.21
03.	Turbidity	NTU	47	35	35	29	42	37	34	27	45	35	32	24
04.	Total Suspended Solids	mg/L	229	186	258	178	232	192	235	182	257	187	242	191
05.	BOD	mg/L	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)
06.	Ammonical Nitrogen	mg/L	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)
07.	Salinity	ppt	32.6	27.5	28.2	22.1	30.2	26.8	25.3	21.9	32.5	25.7	27.5	22.4
08.	Dissolved Oxygen	mg/L	8.2	6.0	6.2	5.8	8.0	6.4	6.0	5.4	9.5	6.8	7.2	5.9
09.	Total Nitrogen	mg/L	0.52	0.30	0.46	0.29	0.58	0.28	0.52	0.27	0.65	0.32	0.43	0.24
10.	Dissolved Phosphate	mg/L	0.7	0.4	0.07	0.04	0.6	0.3	0.08	0.03	0.5	0.2	0.07	0.04
11.	Nitrate	mg/L	0.84	0.37	0.48	0.26	0.80	0.42	0.45	0.21	0.87	0.38	0.41	0.18
12.	Nitrite	mg/L	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL-0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL-0.1)	BDL (DL-0.1)
13.	Phenol	mg/L	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL-0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL-0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL-0.1)	BDL (DL- 0.1)
14.	PHC	Microgram/L	12	10	15	10	14	11	16	12	13	10	14	11

Note: BDL=Below Detection Limit, DL= Detection Limit

4.6. Marine Water Quality Monitoring Data (July 2024 to August 2024)

Marine Water Sample		Month	July 2024				August 2024				September 2024			
		Date of Sampling	13/07/24		17/07/2024		10/08/24		24/08/2024		07/09/24		21/09/24	
Location		Unit	Marin (Suva)		Marine (Nr.Luwara Village)		Marine (Nr.Dahej Gnfc)		Marine (Nr. Sez-2 Jeti)		Marine (Nr. Lakhigam)		Marine (Nr.Suva)	
			High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide
S. No.	Test Parameters	Unit	Result											
01.	Temperature	°C	32	30	32	33	33	32	32	30	32	31	33	31
02.	pH at 25°C	pH Unit	8.16	7.86	8.34	8.25	8.21	7.82	8.34	8.25	8.25	7.85	8.28	8.20
03.	Turbidity	NTU	41	32	34	26	45	35	34	26	42	38	36	28
04.	Total Suspended Solids	mg/L	263	176	238	184	271	183	238	184	262	192	242	179
05.	BOD	mg/L	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)	BDL (DL- 2)
06.	Ammonical Nitrogen	mg/L	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)
07.	Salinity	ppt	30.4	24.7	28.2	23.4	29.5	23.7	27.2	22.4	33.7	31.4	32.1	30.4
08.	Dissolved Oxygen	mg/L	8.1	6.4	7.8	6.3	8.4	6.8	7.5	6.0	8.2	7.3	6.8	5.6
09.	Total Nitrogen	mg/L	0.72	0.41	0.57	0.34	0.84	0.49	0.57	0.34	0.80	0.52	0.62	0.43
10.	Dissolved Phosphate	mg/L	0.4	0.2	0.08	0.05	0.6	0.3	0.06	0.04	0.5	0.2	0.05	0.03
11.	Nitrate	mg/L	0.78	0.34	0.37	0.15	0.62	0.30	0.37	0.15	0.75	0.38	0.42	0.2
12.	Nitrite	mg/L	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL-0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
13.	Phenol	mg/L	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL-0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL-0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL-0.1)	BDL (DL- 0.1)
14.	PHC	Microgram/L	14	11	16	12	13	10	15	13	12	9	16	12

Note: BDL=Below Detection Limit, DL= Detection Limit

4.7. Wastewater Monitoring Data (M/s. Aries Colorchem Pvt. Ltd.)

April 2024 to June 2024																
Wastewater Samples		Month	April 2024					May 2024					June 2024			
		Date of Sampling	03/04/24	09/04/24	17/04/24	22/04/24	26/04/24	27/04/24	02/05/24	06/05/24	13/05/24	17/05/24	20/05/24	06/06/24	19/06/24	25/06/24
S. No.	Test Parameters	Unit	Result													
01.	Temperature	0C	33	33	32	34	30	33	36	36	34	37	37	36	34	38
02.	pH at 25°C	pH unit	7.42	7.42	7.12	7.25	7.86	7.42	7.68	7.42	7.42	7.76	7.49	7.35	7.45	7.38
03.	Total Suspended Solids (TSS)	mg/L	26	33	34	45	46	42	33	34	10	18	24	32	31	31
04.	Color	mg/L	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH
05.	Sulphate	mg/L	326	455	235	356	281	385	296	184	253	283	315	179	173	143
06.	Oil & grease	mg/L	8.2	5.2	5.8	8.3	5.6	5.8	4.3	4.2	2.5	3.5	3.5	2.2	2.2	4.5
07.	Fluoride	mg/L	0.72	0.42	0.6	0.7	0.6	0.8	0.56	0.7	0.52	0.52	0.7	0.62	0.45	0.6
08.	Sulphide	mg/L	1.2	1.3	0.5	0.5	0.5	0.5	0.86	0.6	1.0	1.15	0.5	0.7	1.2	0.4
09.	Ammonical Nitrogen	mg/L	19	33.1	24	24	23.5	17	3.8	3.5	5.2	2.3	10.3	2.1	7.9	3.4
10.	Total Kjeldahl Nitrogen	mg/L	25	36.2	28	32	29.4	24	10.2	9.7	9.6	5.5	15.4	5.1	10.2	5.8
11.	Free Ammonia	mg/L	0.42	0.45	0.30	0.21	0.35	0.25	0.42	0.25	0.41	0.26	0.25	0.26	0.32	0.20
12.	Copper	mg/L	0.20	0.20	0.21	0.20	0.22	0.25	0.25	0.15	0.22	0.18	0.15	0.1	0.25	0.10
13.	Zinc	mg/L	0.12	0.21	0.12	0.15	0.26	0.15	0.10	0.10	0.18	0.12	0.12	0.14	0.10	0.13
14.	BOD 3 days at 27°C	mg/L	34	44	45	59	62	56	43	45	13	24	31	43	41	42
15.	COD	mg/L	102	132	136	179	185	168	130	135	39	73	94	128	124	125
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.01	0.03	0.02	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.4	0.3	0.3	0.3	0.3	0.1	0.2	0.3	0.32	0.2	0.2	0.2	0.3
22.	Total Chromium	mg/L	0.3	0.6	0.4	0.5	0.4	0.5	0.2	0.3	0.4	0.45	0.4	0.4	0.4	0.4
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.3	0.3	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1
26.	Iron	mg/L	0.3	0.5	0.4	0.3	0.2	0.2	0.1	0.3	0.1	0.3	0.3	0.2	0.1	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	6.2	11.7	4.6	10.3	10.5	7.3	4.3	4.1	3.2	4.2	8.3	2.8	3.8	2.8

Note: 1. Temperature, Total Residual Chlorine and pH was measured onsite.
 2. BDL – Below Detection Limit, DL – Detection Limit

4.8. Wastewater Monitoring Data (M/s. Aries Colorchem Pvt. Ltd.)

July 2024 to September 2024

Wastewater Samples		Month	July 2024					August 2024					September 2024				
		Date of Sampling	01/07/24	05/07/24	12/07/24	16/07/24	23/07/24	06/08/24	12/08/24	20/08/24	22/08/24	30/08/24	02/09/24	09/09/24	14/09/24	20/09/24	27/09/24
S. No.	Test Parameters	Unit	Result														
01.	Temperature	OC	33	35	34	30	36	32	30	29	33	34	33	34	32	32	32
02.	pH at 250C	pH unit	7.35	7.46	7.45	7.52	7.58	7.43	7.54	7.32	7.42	7.46	7.42	7.52	7.48	7.43	7.58
03.	Total Suspended Solids (TSS)	mg/L	28	30	27	29	20	28	59	45	34	37	106	62	115	33	46
04.	Color	mg/L	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH
05.	Sulphate	mg/L	251	128	253	263	325	168	426	375	349	284	218	412	328	271	342
06.	Oil & grease	mg/L	2.0	3.4	3.4	4.2	3.6	2.4	6.5	5.2	3.2	2.8	31.6	4.8	6.8	6.4	3.7
07.	Fluoride	mg/L	0.7	0.7	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.6	0.8	0.5	0.8	0.5	0.6
08.	Sulphide	mg/L	0.5	0.5	0.8	0.3	0.6	0.3	0.5	0.5	0.4	0.5	0.6	0.3	0.6	0.3	0.5
09.	Ammonical Nitrogen	mg/L	4.3	4.6	2.8	5.8	2.0	5.4	18.4	14.6	10.6	10.6	12.6	12.6	22.4	4.2	8.9
10.	Total Kjeldahl Nitrogen	mg/L	8.2	7.2	4.6	7.3	3.5	7.2	22.6	18.4	14.9	13.7	15.8	15.2	28.9	6.8	11.5
11.	Free Ammonia	mg/L	0.20	0.25	0.34	0.22	0.25	0.20	0.22	0.32	0.32	0.21	0.25	0.35	0.56	0.21	0.25
12.	Copper	mg/L	0.15	0.15	0.21	0.15	0.2	0.11	0.3	0.18	0.2	0.13	0.19	0.21	0.37	0.2	0.20
13.	Zinc	mg/L	0.14	0.1	0.15	0.10	0.18	0.12	0.10	0.10	0.1	0.10	0.10	0.15	0.18	0.12	0.15
14.	BOD 3 days at 270C	mg/L	37	40	36	39	26	37	79	59	45	49	170	82	364	44	61
15.	COD	mg/L	110	120	108	116	78	111	237	178	134	148	510	247	1092	133	183
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.1	0.1	0.2	0.3	0.3	0.2	0.2	0.2	0.4	0.3	0.5	0.2	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.02	0.03	0.02	0.02	0.04	0.02	0.03	0.04	0.05	0.03	0.03	0.05	0.06	0.02	0.03
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.3	0.2	0.2	0.3	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.2
22.	Total Chromium	mg/L	0.6	0.4	0.3	0.5	0.3	0.4	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.4
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.1	0.2	0.2	0.1	0.3	0.1	0.1	0.3	0.3	0.2	0.3	0.2	0.4	0.2	0.1
26.	Iron	mg/L	0.2	0.3	0.1	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.4	0.3	0.3	0.3	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.4	3.8	4.8	4.6	2.1	3.2	3.8	6.8	5.8	3.8	4.3	7.5	19.5	4.0	6.5

Note: 1. Temperature and pH was measured onsite.
2. BDL – Below Detection Limit, DL – Detection Limit

4.9. Wastewater Monitoring Data (M/s. Sigachi Industries Pvt. Ltd.)

April 2024 to June 2024															
Wastewater Samples		Month	April 2024					May 2024					June 2024		
		Date of Sampling	03/04/24	09/04/24	17/04/24	22/04/24	27/04/24	02/05/24	06/05/24	13/05/24	17/05/24	20/05/24	06/06/24	19/06/24	25/06/24
S. No.	Test Parameters	Unit	Result												
01.	Temperature	OC	32	32	34	33	34	36	36	34	37	37	36	34	38
02.	pH at 25°C	pH unit	7.23	7.35	7.26	7.45	7.28	7.68	7.42	7.42	7.76	7.49	7.35	7.45	7.38
03.	Total Suspended Solids (TSS)	mg/L	12	32	19	31	28	33	34	10	18	24	32	31	31
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH
05.	Sulphate	mg/L	45	48	125	215	153	296	184	253	283	315	179	173	143
06.	Oil & grease	mg/L	4.3	3.3	3.2	6.3	4.5	4.3	4.2	2.5	3.5	3.5	2.2	2.2	4.5
07.	Fluoride	mg/L	0.52	0.3	0.4	0.5	0.6	0.56	0.7	0.52	0.52	0.7	0.62	0.45	0.6
08.	Sulphide	mg/L	0.32	0.35	0.3	0.3	0.4	0.86	0.6	1.0	1.15	0.5	0.7	1.2	0.4
09.	Ammonical Nitrogen	mg/L	21	14.3	10	13	10	3.8	3.5	5.2	2.3	10.3	2.1	7.9	3.4
10.	Total Kjeldahl Nitrogen	mg/L	25	18.4	13	18	15	10.2	9.7	9.6	5.5	15.4	5.1	10.2	5.8
11.	Free Ammonia	mg/L	0.32	0.25	0.20	0.10	0.25	0.42	0.25	0.41	0.26	0.25	0.26	0.32	0.20
12.	Copper	mg/L	0.14	0.15	0.03	0.02	0.03	0.25	0.15	0.22	0.18	0.15	0.1	0.25	0.10
13.	Zinc	mg/L	0.10	0.10	0.20	0.20	0.15	0.10	0.10	0.18	0.12	0.12	0.14	0.10	0.13
14.	BOD 3 days at 27°C	mg/L	15	42	25	41	37	43	45	13	24	31	43	41	42
15.	COD	mg/L	47	126	76	125	110	130	135	39	73	94	128	124	125
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.1	0.2	0.2	0.5	0.4	0.1	0.2	0.3	0.32	0.2	0.2	0.2	0.3
22.	Total Chromium	mg/L	0.3	0.4	0.3	0.3	0.5	0.2	0.3	0.4	0.45	0.4	0.4	0.4	0.4
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	0.1	0.1	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.1	0.2	0.4	0.4	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1
26.	Iron	mg/L	0.3	0.4	0.2	0.2	0.3	0.1	0.3	0.1	0.3	0.3	0.2	0.1	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	0.2	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	3.5	9.8	3.5	3.6	3.4	4.3	4.1	3.2	4.2	8.3	2.8	3.8	2.8

Note: 1. Temperature, Total Residual Chlorine and pH was measured onsite.
 2. BDL – Below Detection Limit, DL – Detection Limit

4.10. Wastewater Monitoring Data (M/s. Sigachi Industries Pvt. Ltd.)

July 2024 to September 2024																
Wastewater Samples		Month	July 2024					August 2024					September 2024			
		Date of Sampling	01/07/24	05/07/24	10/07/24	16/07/24	23/07/24	06/08/24	12/08/24	20/08/24	24/08/24	28/08/24	02/09/24	09/09/24	18/09/24	23/09/24
S. No.	Test Parameters	Unit	Result													
01.	Temperature	0°C	35	35	29	33	36	30	28	30	30	33	33	30	32	30
02.	pH at 25°C	pH unit	7.32	7.42	7.26	7.41	7.45	7.46	7.34	7.36	7.42	7.43	7.35	7.62	7.52	7.34
03.	Total Suspended Solids (TSS)	mg/L	21	24	22	22	25	17	28	30	17	37	30	34	36	21
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	242	106	178	125	184	176	149	258	154	142	143	128	187	216
06.	Oil & grease	mg/L	3.2	3.1	3.4	2.6	3.1	2.4	3.4	5.2	2.2	2.8	2.7	3.6	3.6	2.5
07.	Fluoride	mg/L	0.5	0.5	0.5	0.5	0.5	0.7	0.6	0.7	0.6	0.5	0.5	0.5	0.4	0.6
08.	Sulphide	mg/L	0.3	0.3	0.4	0.3	0.4	0.5	0.4	0.5	0.4	0.4	0.3	0.4	0.3	0.5
09.	Ammonical Nitrogen	mg/L	2.4	3.4	2.1	2.6	2.2	4.2	8.9	6.7	4.6	6.2	5.2	4.3	8.4	3.4
10.	Total Kjeldahl Nitrogen	mg/L	4.5	5.4	4.3	3.8	4.3	6.5	10.3	8.9	6.8	7.5	8.4	6.4	10.2	6.2
11.	Free Ammonia	mg/L	0.15	0.20	0.12	0.25	0.15	0.18	0.21	0.21	0.27	0.25	0.10	0.22	0.12	0.15
12.	Copper	mg/L	0.02	0.15	0.02	0.16	0.02	0.03	0.10	0.01	0.13	0.10	0.02	0.02	0.02	0.02
13.	Zinc	mg/L	0.18	0.10	0.1	0.11	0.18	0.15	0.15	0.12	0.15	0.1	0.10	0.10	0.10	0.10
14.	BOD 3 days at 27°C	mg/L	28	31	30	29	33	22	38	40	23	49	40	45	48	28
15.	COD	mg/L	83	94	89	86	98	66	113	120	68	146	119	135	145	83
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.01	0.03	0.02	0.03	0.02	0.02	0.02	0.03	0.05	0.02	0.01	0.05	0.01	0.02
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL- 0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.23	0.2	0.1	0.2	0.3	0.3	0.3	0.32	0.3	0.2	0.2	0.2	0.2
22.	Total Chromium	mg/L	0.4	0.41	0.5	0.2	0.4	0.5	0.5	0.5	0.48	0.5	0.5	0.4	0.4	0.4
23.	Nickel	mg/L	0.2	BDL (DL-0.3)	0.1	BDL (DL-0.3)	0.1	0.1	BDL (DL-0.3)	0.2	BDL (DL-0.3)	BDL (DL-0.3)	0.2	0.1	0.2	0.2
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.3	0.3	0.3	0.3
26.	Iron	mg/L	0.2	0.2	0.3	0.4	0.3	0.1	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	4.2	6.4	3.1	4.6	3.4	3.7	5.2	5.4	4.8	4.5	4.6	3.1	4.2	2.8

Note: 1. Temperature and pH was measured onsite.
2. BDL – Below Detection Limit, DL – Detection Limit

4.11. Wastewater Monitoring Data (M/s. Firmenich Aromatics Production (India) Pvt. Ltd.)

April 2024 to June 2024																
Wastewater Samples		Month	April 2024					May 2024					June 2024			
		Date of Sampling	05/04/24	13/04/24	18/04/24	19/04/24	25/04/24	04/05/24	15/05/24	23/05/24	28/05/24	31/05/24	05/06/24	10/06/24	25/06/24	27/06/24
S. No.	Test Parameters	Unit	Result													
01.	Temperature	°C	31	32	34	32	33	36	38	36	36	32	36	36	38	34
02.	pH at 25°C	pH unit	7.54	7.54	7.28	7.36	7.86	7.53	7.36	8.32	7.42	7.36	7.41	7.42	7.50	7.45
03.	Total Suspended Solids (TSS)	mg/L	55	34	24	29	31	32	21	90	54	46	46	47	29	43
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	241	241	753	216	856	295	569	539	348	346	253	452	342	326
06.	Oil & grease	mg/L	10.2	5.7	6.8	3.8	4.3	3.2	3.7	3.8	6.2	4.5	5.3	3.2	3.2	4.6
07.	Fluoride	mg/L	0.7	0.6	0.7	0.5	0.4	0.7	0.7	0.6	0.8	0.7	0.6	0.5	0.5	0.8
08.	Sulphide	mg/L	0.4	0.3	0.5	0.3	0.2	0.5	0.5	0.4	0.6	0.5	0.4	0.3	0.4	0.4
09.	Ammonical Nitrogen	mg/L	34.0	35.2	10	14	7.2	7.5	4.2	4.3	12.5	6.9	5.1	5.2	6.2	5.8
10.	Total Kjeldahl Nitrogen	mg/L	38.6	40.3	13	17	10.4	13.6	9.2	7.8	18.4	11.3	9.6	8.4	8.5	9.2
11.	Free Ammonia	mg/L	0.4	0.25	0.45	0.30	0.25	0.32	0.21	0.38	0.22	0.21	0.42	0.27	0.32	0.28
12.	Copper	mg/L	0.05	0.04	0.03	0.02	0.032	0.02	0.02	0.02	0.03	0.02	0.01	0.01	0.01	0.01
13.	Zinc	mg/L	0.2	0.20	0.25	0.20	0.18	0.23	0.2	0.24	0.21	0.18	0.15	0.24	0.21	0.20
14.	BOD 3 days at 27°C	mg/L	73	44	32	38	46	43	28	119	71	62	61	63	39	57
15.	COD	mg/L	219	134	96	114	139	129	85	358	214	185	184	188	117	172
16.	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.06	0.03	0.02	0.02	0.04	0.02	0.02	0.08	0.01	0.02	0.03	0.02	0.05	0.02
20.	Cadmium	mg/L	0.04	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2
22.	Total Chromium	mg/L	0.5	0.6	0.4	0.5	0.4	0.5	0.4	0.5	0.5	0.3	0.4	0.6	0.4	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	Absent	ABSENT	Absent	ABSENT	Absent	Absent	ABSENT	ABSENT	ABSENT	Absent	Absent	ABSENT
25.	Phenolic compound	mg/L	0.4	0.1	0.3	0.4	0.3	0.1	0.1	0.4	0.2	0.2	0.1	0.1	0.4	0.1
26.	Iron	mg/L	0.3	0.3	0.4	0.2	0.4	0.2	0.2	0.6	0.3	0.3	0.2	0.3	0.3	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	16.5	10.6	3.5	4.5	3.5	6.2	2.5	5.8	8.9	7.9	10.6	3.8	4.2	8.1

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.12. Wastewater Monitoring Data (M/s. Firmenich Aromatics Production (India) Pvt. Ltd.)

July 2024 to September 2024															
Wastewater Samples		Month	July 2024				August 2024					September 2024			
		Date of Sampling	02/07/24	09/07/24	16/07/24	27/07/24	03/08/24	06/08/24	14/08/24	22/08/24	31/08/24	05/09/24	11/09/24	20/09/24	25/09/24
S. No.	Test Parameters	Unit	Result												
01.	Temperature	°C	29	37	30	32	31	29	32	33	30	30	31	30	32
02.	pH at 25°C	pH unit	7.32	7.62	7.62	7.42	7.42	7.62	7.58	7.45	7.48	7.62	7.52	7.48	7.48
03.	Total Suspended Solids (TSS)	mg/L	35	45	41	47	44	29	39	37	47	29	24	31	41
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	375	362	286	268	254	285	243	342	342	285	123	231	245
06.	Oil & grease	mg/L	3.8	4.3	3.5	4.3	4.2	4.6	2.8	2.8	3.8	5.2	3.6	3.2	3.2
07.	Fluoride	mg/L	0.7	0.6	0.6	0.6	0.5	0.7	0.5	0.5	0.5	0.6	0.5	0.4	0.4
08.	Sulphide	mg/L	0.5	0.4	0.4	0.3	0.3	0.5	0.4	0.3	0.3	0.4	0.4	0.3	0.3
09.	Ammonical Nitrogen	mg/L	7.5	3.2	2.5	6.5	7.6	4.8	8.1	6.8	6.4	5.8	3.7	4.8	8.5
10.	Total Kjeldahl Nitrogen	mg/L	11.6	5.1	4.6	8.2	9.5	6.3	11.2	8.4	7.3	7.4	4.6	6.2	5.2
11.	Free Ammonia	mg/L	0.24	0.24	0.30	0.35	0.35	0.23	0.25	0.25	0.20	0.29	0.25	0.24	0.22
12.	Copper	mg/L	0.02	0.03	0.02	0.02	0.04	0.01	0.01	0.04	0.03	0.02	0.03	0.03	0.03
13.	Zinc	mg/L	0.21	0.15	0.20	0.16	0.21	0.15	0.12	0.1	0.10	0.15	0.20	0.15	0.2
14.	BOD 3 days at 27°C	mg/L	46	59	54	63	59	39	51	50	62	39	32	41	54
15.	COD	mg/L	138	178	162	189	177	117	154	149	186	117	95	124	160
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.03	0.03	0.04	0.04	0.05	0.03	0.02	0.02	0.03	0.03	0.03	0.05	0.04
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.4	0.3	0.2	0.2	0.4	0.1	0.3	0.2	0.3	0.2	0.2	0.3	0.3
22.	Total Chromium	mg/L	0.7	0.4	0.5	0.3	0.6	0.2	0.5	0.4	0.4	0.4	0.5	0.5	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
25.	Phenolic compound	mg/L	0.2	0.2	0.3	0.2	0.4	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.2
26.	Iron	mg/L	0.3	0.3	0.2	0.3	0.2	0.4	0.1	0.2	0.2	0.2	0.1	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	5.4	4.8	6.2	5.6	11.6	3.4	4.2	4.3	4.6	4.9	2.5	3.7	5.3

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

4.13. Wastewater Monitoring Data (M/s. Meghmani Industries Ltd.)

April 2024 to June 2024													
Wastewater Samples		Month	April 2024					May 2024				June 2024	
		Date of Sampling	05/04/24	13/04/24	19/04/24	25/04/24	30/04/24	04/05/24	15/05/24	28/05/24	31/05/24	05/06/24	12/06/24
S. No.	Test Parameters	Unit	Result										
01.	Temperature	°C	32	32	32	34	32	36	41	36	31	36	35
02.	pH at 25°C	pH unit	7.52	7.35	7.85	7.62	7.86	7.36	7.54	7.62	7.48	7.52	7.62
03.	Total Suspended Solids (TSS)	mg/L	59	29	22	28	28	29	31	34	32	29	28
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	196	85	78	76	110	263	123	176	152	289	142
06.	Oil & grease	mg/L	8.6	4.3	2.5	3.1	3.2	5.7	2.2	2.5	3.5	4.2	2.5
07.	Fluoride	mg/L	0.6	0.6	0.4	0.7	0.4	0.7	0.5	0.5	0.5	0.6	0.7
08.	Sulphide	mg/L	0.5	0.4	0.2	0.5	0.2	0.4	0.3	0.3	0.3	0.3	0.4
09.	Ammonical Nitrogen	mg/L	43.0	34.1	7	7.6	11	10.5	8.6	4.5	8.7	4.1	5.2
10.	Total Kjeldahl Nitrogen	mg/L	48.5	38.7	10	11.5	16	16.8	13.8	10.3	13.4	7.6	7.6
11.	Free Ammonia	mg/L	0.3	0.25	0.20	0.23	0.20	0.25	0.35	0.19	0.25	0.22	0.30
12.	Copper	mg/L	0.02	0.02	0.03	0.02	0.04	0.03	0.03	0.01	0.03	0.02	0.04
13.	Zinc	mg/L	0.2	0.2	0.15	0.35	0.20	0.12	0.21	0.1	0.20	0.10	0.25
14.	BOD 3 days at 27°C	mg/L	46	38	32	37	38	39	42	45	42	38	38
15.	COD	mg/L	234	116	96	113	113	117	125	134	127	114	113
16.	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.01
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.5	0.2	0.4	0.3	0.3	0.3	0.4	0.3	0.2	0.3	0.3
22.	Total Chromium	mg/L	0.6	0.4	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
26.	Iron	mg/L	0.4	0.3	0.5	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	12.6	4.5	3.2	2.6	3.4	6.5	3.8	4.0	3.5	6.5	3.5

Note: 1. Temperature and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.14. Wastewater Monitoring Data (M/s. Meghmani Industries Ltd.)

July 2024 to September 2024														
Wastewater Samples		Month	July 2024			August 2024					September 2024			
		Date of Sampling	02/07/24	09/07/24	27/07/24	03/08/24	06/08/24	14/08/24	22/08/24	31/08/24	05/09/24	11/09/24	20/09/24	30/09/24
S. No.	Test Parameters	Unit	Result											
01.	Temperature	°C	28	38	34	31	30	32	34	34	30	32	29	34
02.	pH at 25°C	pH unit	7.28	7.25	7.38	7.52	7.52	7.40	7.53	7.82	7.42	7.46	7.52	7.38
03.	Total Suspended Solids (TSS)	mg/L	28	34	37	34	20	31	35	33	62	21	33	34
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	235	321	158	262	142	345	243	278	284	148	218	243
06.	Oil & grease	mg/L	2.2	3.4	4.0	2.5	2.3	3.2	4.2	3.8	6.8	4.4	3.5	3.8
07.	Fluoride	mg/L	0.6	0.5	0.5	0.5	0.4	0.6	0.6	0.6	0.5	0.4	0.4	0.5
08.	Sulphide	mg/L	0.4	0.3	0.2	0.4	0.2	0.5	0.4	0.4	0.3	0.3	0.3	0.3
09.	Ammonical Nitrogen	mg/L	3.4	5.2	6.8	13.6	7.4	6.2	8.9	8.9	4.3	5.8	4.1	4.6
10.	Total Kjeldahl Nitrogen	mg/L	5.8	7.8	8.6	15.4	8.1	9.4	10.4	10.8	6.5	7.6	8.2	7.0
11.	Free Ammonia	mg/L	0.25	0.26	0.25	0.20	0.12	0.21	0.32	0.25	0.25	0.25	0.22	0.20
12.	Copper	mg/L	0.02	0.01	0.03	0.01	0.02	0.01	0.04	0.03	0.02	0.02	0.02	0.01
13.	Zinc	mg/L	0.21	0.21	0.15	0.16	0.11	0.10	0.25	0.15	0.15	0.21	0.12	0.20
14.	BOD 3 days at 27°C	mg/L	37	45	49	45	26	41	46	44	82	28	45	45
15.	COD	mg/L	112	134	147	134	78	124	138	132	246	83	131	134
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.3	0.1	0.1	0.2
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.01	0.03	0.03	0.02	0.02	0.02	0.04	0.03	0.04	0.03	0.03	0.04
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.4	0.2	0.2	0.3
22.	Total Chromium	mg/L	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.6	0.4	0.4	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2
26.	Iron	mg/L	0.1	0.3	0.1	0.3	0.1	0.1	0.1	0.1	0.4	0.1	0.1	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.5	5.4	6.1	6.8	5.4	4.6	4.2	5.9	6.9	3.6	3.8	3.5

Note: 1. Temperature and Total Residual Chlorine was measured onsite.
 2. BDL – Below Detection Limit, DL – Detection Limit

4.15. Wastewater Monitoring Data (M/s. Meghmani Unichem LLP)

April 2024 to June 2024																	
Wastewater Samples		Month	April 2024					May 2024					June 2024				
		Date of Sampling	03/04/24	09/04/24	17/04/24	25/04/24	26/04/24 (Night)	02/05/24	10/05/24	15/05/24	20/05/24	28/05/24	08/06/24	12/06/24	19/06/24	25/06/24	27/06/24
S. No.	Test Parameters	Unit	Result														
01.	Temperature	°C	32	34	32	34	31	37	37	39	38	37	36	35	35	36	34
02.	pH at 25°C	pH unit	7.85	7.32	7.62	7.95	7.86	7.65	6.23	7.42	7.44	7.42	7.52	7.62	6.67	7.68	7.42
03.	Total Suspended Solids (TSS)	mg/L	55	54	33	61	60	59	34	57	41	59	29	28	57	58	57
04.	Color	mg/L	LIGHT RED	LIGHT REDISH	LIGHT RED	LIGHT REDISH	LIGHT REDISH	LIGHT RED	LIGHT RED	LIGHT REDISH	LIGHT RED	LIGHT REDISH	CLEAR	CLEAR	LIGHT RED	LIGHT RED	LIGHT RED
05.	Sulphate	mg/L	216	548	326	523	785	235	342	573	326	489	289	142	372	296	289
06.	Oil & grease	mg/L	8.5	8.6	4.6	11.6	9.2	5.2	4.0	8.6	5.1	5.2	4.2	2.5	3.4	6.8	3.5
07.	Fluoride	mg/L	0.46	0.7	0.62	0.75	0.7	0.52	0.7	0.8	0.62	0.6	0.6	0.7	0.6	0.68	0.6
08.	Sulphide	mg/L	0.32	0.5	0.5	0.62	0.6	0.45	0.5	0.5	0.41	0.4	0.3	0.4	0.4	0.52	0.3
09.	Ammonical Nitrogen	mg/L	29.2	43.2	38	36	32	25.3	25.2	43.2	32.5	12.5	4.1	5.2	16.8	10.2	8.6
10.	Total Kjeldahl Nitrogen	mg/L	34.6	49.2	44	40	38	32.4	34.6	52.6	39.2	16.8	7.6	7.6	21.4	15.2	11.5
11.	Free Ammonia	mg/L	0.25	0.6	0.25	0.62	0.55	0.20	0.38	0.52	0.34	0.34	0.22	0.30	0.35	0.26	0.32
12.	Copper	mg/L	0.04	0.05	0.03	0.05	0.05	0.03	0.03	0.03	0.04	0.03	0.02	0.04	0.02	0.03	0.02
13.	Zinc	mg/L	0.3	0.3	0.1	0.35	0.42	0.2	0.25	0.32	0.20	0.2	0.10	0.25	0.21	0.22	0.21
14.	BOD 3 days at 27°C	mg/L	73	71	44	81	79	79	45	76	55	78	38	38	76	71	76
15.	COD	mg/L	219	215	134	245	238	237	135	227	165	234	114	113	229	232	229
16.	Total Residual Chlorine	mg/L	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.04	0.05	0.05	0.05	0.07	0.03	0.06	0.04	0.02	0.03	0.02	0.01	0.02	0.01	0.02
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.3	0.1	0.3	0.5	0.3	0.2	0.4	0.2	0.2	0.3	0.3	0.2	0.5	0.2
22.	Total Chromium	mg/L	0.3	0.5	0.2	0.6	0.7	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.3	0.7	0.4
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.1	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.1
26.	Iron	mg/L	0.4	0.2	0.6	0.5	0.5	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.3	0.3	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	0.2	BDL (DL-0.21)	0.3	BDL (DL-0.21)	BDL (DL-0.21)	0.2	0.2	BDL (DL-0.21)	0.1	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	0.1	0.2	0.3
29.	Nitrate Nitrogen as NO3-N	mg/L	15.6	9.8	13.0	12.5	12.8	10.3	11.8	10.8	8.4	6.9	6.5	3.5	8.9	8.4	8.5

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.16. Wastewater Monitoring Data (M/s. Meghmani Unichem LLP)

July 2024 to August 2024															
Wastewater Samples		Month	July 2024							August 2024					
		Date of Sampling	01/07/24	05/07/24	12/07/24	16/07/24	19/07/24	20/07/24	23/07/24	03/08/24	07/08/24	12/08/24	20/08/24	22/08/24	28/08/24
S. No.	Test Parameters	Unit	Result												
01.	Temperature	°C	34	35	36	32	33	33	35	30	30	30	29	32	34
02.	pH at 25°C	pH unit	7.84	7.42	7.65	7.82	7.64	7.64	6.56	7.58	7.46	7.82	7.62	7.82	7.52
03.	Total Suspended Solids (TSS)	mg/L	47	54	46	29	56	62	58	50	60	47	47	32	62
04.	Color	mg/L	LIGHT RED	LIGHT RED	LIGHT RED	LIGHT RED	LIGHT RED	LIGHT RED	LIGHT RED	LIGHT RED	LIGHT RED	LIGHT RED	LIGHT RED	LIGHT RED	LIGHT RED
05.	Sulphate	mg/L	328	242	346	263	395	346	426	319	326	469	238	472	246
06.	Oil & grease	mg/L	3.0	3.1	4.6	4.5	4.6	46	4.6	5.2	4.2	5.2	6.2	4.2	5.2
07.	Fluoride	mg/L	0.7	0.4	0.7	0.7	0.5	0.7	0.5	0.6	0.6	0.6	0.8	0.6	0.7
08.	Sulphide	mg/L	0.6	0.5	0.6	0.5	0.3	0.6	0.4	0.4	0.4	0.4	0.6	0.5	0.5
09.	Ammonical Nitrogen	mg/L	4.1	3.8	10.6	12.7	13.6	11.2	12.8	15.4	18.7	22.4	21.6	12.4	12.4
10.	Total Kjeldahl Nitrogen	mg/L	8.4	5.4	13.8	16.8	16.7	15.6	16.4	18.6	22.4	28.6	25.4	15.8	15.8
11.	Free Ammonia	mg/L	0.3	0.20	0.32	0.20	0.42	0.32	0.30	0.34	0.28	0.24	0.42	0.28	0.28
12.	Copper	mg/L	0.02	0.04	0.03	0.03	0.03	0.03	0.03	0.12	0.03	0.03	0.02	0.05	0.03
13.	Zinc	mg/L	0.19	0.18	0.23	0.18	0.15	0.21	0.25	0.26	0.20	0.15	0.20	0.12	0.24
14.	BOD 3 days at 27°C	mg/L	63	72	61	77	75	82	77	67	80	63	63	42	82
15.	COD	mg/L	189	216	183	215	224	247	231	201	239	189	189	126	246
16.	Total Residual Chlorine	mg/L	0.1	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.05	0.04	0.05	0.04	0.04	0.09	0.05	0.03	0.03	0.03	0.04	0.04	0.06
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.4	0.4	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22.	Total Chromium	mg/L	0.6	0.6	0.4	0.6	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.2	0.1	0.4	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.2	0.1
26.	Iron	mg/L	0.1	0.3	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.3	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	0.1	0.3	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.2
29.	Nitrate Nitrogen as NO3-N	mg/L	8.4	6.7	6.5	9.4	7.9	8.6	6.9	10.8	9.4	5.8	5.4	5.8	5.4

Note: 1. Temperature and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.17. Wastewater Monitoring Data (M/s. Meghmani Unichem LLP)

September 2024							
Wastewater Samples		Month	September 2024				
		Date of Sampling	05/09/24	09/09/24	18/09/24	23/09/24	27/09/24
S. No.	Test Parameters	Unit	Result				
01.	Temperature	°C	30	36	32	32	32
02.	pH at 25°C	pH unit	7.62	7.43	7.58	7.62	7.65
03.	Total Suspended Solids (TSS)	mg/L	44	59	12	44	55
04.	Color	mg/L	LIGHT RED	LIGHT RED	LIGHT RED	LIGHT RED	LIGHT RED
05.	Sulphate	mg/L	342	168	124	272	289
06.	Oil & grease	mg/L	8.9	8.6	2.4	7.9	4.8
07.	Fluoride	mg/L	0.6	0.5	0.5	0.7	0.6
08.	Sulphide	mg/L	0.5	0.4	0.4	0.6	0.4
09.	Ammonical Nitrogen	mg/L	8.9	10.5	3.4	10.6	7.6
10.	Total Kjeldahl Nitrogen	mg/L	12.4	16.2	6.8	15.2	10.5
11.	Free Ammonia	mg/L	0.25	0.52	0.28	0.32	0.25
12.	Copper	mg/L	0.02	0.04	0.03	0.03	0.02
13.	Zinc	mg/L	0.20	0.31	0.15	0.15	0.10
14.	BOD 3 days at 27°C	mg/L	59	79	16	48	73
15.	COD	mg/L	171	237	49	174	219
16.	Total Residual Chlorine	mg/L	0.1	0.3	0.1	0.1	0.2
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.04	0.05	0.02	0.03	0.03
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.4	0.2	0.4	0.4
22.	Total Chromium	mg/L	0.4	0.6	0.3	0.5	0.6
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.1	0.4	0.1	0.1	0.2
26.	Iron	mg/L	0.2	0.1	0.2	0.2	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	0.1	0.2	0.1	0.3	0.3
29.	Nitrate Nitrogen as NO3-N	mg/L	4.5	6.8	3.4	6.4	4.2

Note: 1. Temperature and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.18. Wastewater Monitoring Data (M/s. Shiva Pharmachem Pvt. Ltd.)

April 2024 to June 2024														
Wastewater Samples		Month	April 2024					May 2024				June 2024		
		Date of Sampling	03/04/24	11/04/24	19/04/24	25/04/24	30/04/24	10/05/24	23/05/24	28/05/24	31/05/24	08/06/24	12/06/24	25/06/24
S. No.	Test Parameters	Unit	Result											
01.	Temperature	°C	33	32	34	32	35	36	36	35	35	34	34	34
02.	pH at 25°C	pH unit	7.23	7.14	7.42	7.53	7.58	7.59	7.59	6.52	7.32	7.45	7.65	7.36
03.	Total Suspended Solids (TSS)	mg/L	53	35	32	35	40	95	95	62	59	62	47	17
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	243	213	175	217	375	586	586	685	579	482	478	324
06.	Oil & grease	mg/L	7.6	3.6	5.4	3.0	3.2	3.8	3.8	5.2	2.8	2.2	4.3	3.5
07.	Fluoride	mg/L	0.8	0.5	0.6	0.4	0.5	0.7	0.7	0.7	0.7	0.6	0.7	0.7
08.	Sulphide	mg/L	0.4	0.4	0.4	0.3	0.3	0.5	0.5	0.5	0.5	0.4	0.5	0.6
09.	Ammonical Nitrogen	mg/L	16.0	33.2	10	12	12	11.2	11.2	35.2	13.4	13.6	3.6	3.8
10.	Total Kjeldahl Nitrogen	mg/L	24.3	38.6	13	16	17	15.7	15.7	42.6	19.5	17.2	8.4	6.4
11.	Free Ammonia	mg/L	0.62	0.45	0.4	0.28	0.25	0.35	0.35	0.34	0.31	0.35	0.24	0.35
12.	Copper	mg/L	0.27	0.23	0.20	0.10	0.15	0.15	0.15	0.20	0.12	0.15	0.15	0.18
13.	Zinc	mg/L	0.32	0.20	0.25	0.32	0.20	0.24	0.24	0.15	0.25	0.20	0.10	0.20
14.	BOD 3 days at 27°C	mg/L	71	4	44	46	53	155	155	82	48	83	63	22
15.	COD	mg/L	213	139	132	139	158	464	464	246	234	248	189	67
16.	Total Residual Chlorine	mg/L	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.04	0.03	0.03	0.03	0.02	0.02	0.08	0.02	0.05	0.06	0.01	0.03
20.	Cadmium	mg/L	0.06	0.04	BDL (DL-0.05)	0.04	BDL (DL-0.05)	BDL (DL-0.05)	0.05	0.03	0.02	0.03	BDL (DL-0.05)	0.02
21.	Hexavalent Chromium	mg/L	0.4	0.2	0.3	0.3	0.3	0.23	0.4	0.23	0.3	0.2	0.3	0.3
22.	Total Chromium	mg/L	0.6	0.4	0.4	0.5	0.5	0.31	0.6	0.5	0.5	0.8	0.4	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	0.1	BDL (DL-0.3)	BDL (DL-0.3)	0.2	BDL (DL-0.3)	0.2	0.1	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	Absent	Absent	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	Absent	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.3	0.2	0.3	0.3	0.2	0.2	0.5	0.2	0.3	0.1	0.1	0.3
26.	Iron	mg/L	0.4	0.2	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.2	0.3	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	0.2	BDL (DL-0.21)	BDL (DL-0.21)	0.3	BDL (DL-0.21)	0.1	0.1	BDL (DL-0.21)	0.2
29.	Nitrate Nitrogen as NO3-N	mg/L	17.6	10.3	3.4	4.3	4.3	9.4	13.2	14.6	3.7	2.8	6.5	7.4

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.19. Wastewater Monitoring Data (M/s. Shiva Pharmachem Pvt. Ltd.)

July 2024 to September 2024														
Wastewater Samples		Month	July 2024				August 2024				September 2024			
		Date of Sampling	02/07/24	10/07/24	17/07/24	23/07/24	06/08/24	14/08/24	22/08/24	31/08/24	05/09/24	11/09/24	20/09/24	25/09/24
S. No.	Test Parameters	Unit	Result											
01.	Temperature	°C	26	29	33	34	32	32	34	32	31	32	34	30
02.	pH at 25°C	pH unit	7.58	7.54	7.41	7.52	7.42	7.72	7.28	7.58	7.43	7.46	7.34	7.46
03.	Total Suspended Solids (TSS)	mg/L	40	48	44	54	34	46	46	61	20	333	44	35
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	342	426	386	379	386	384	381	283	342	386	343	258
06.	Oil & grease	mg/L	3.2	2.8	3.8	6.2	3.6	4.1	2.1	2.6	3.2	3.4	3.8	3.6
07.	Fluoride	mg/L	0.5	0.6	0.5	0.5	0.5	0.7	0.5	0.4	0.6	0.4	0.6	0.5
08.	Sulphide	mg/L	0.3	0.4	0.3	0.4	0.4	0.5	0.4	0.3	0.5	0.3	0.4	0.3
09.	Ammonical Nitrogen	mg/L	2.8	4.2	3.2	3.8	3.2	6.2	2.9	4.9	3.4	3.4	4.2	3.5
10.	Total Kjeldahl Nitrogen	mg/L	5.4	6.9	5.4	4.5	4.6	8.5	4.2	6.7	5.0	5.2	7.5	5.0
11.	Free Ammonia	mg/L	0.28	0.21	0.30	0.28	0.15	0.25	0.20	0.21	0.19	0.10	0.20	0.1
12.	Copper	mg/L	0.10	0.11	0.10	0.24	0.10	0.13	0.15	0.1	0.12	0.13	0.15	0.1
13.	Zinc	mg/L	0.12	0.10	0.25	0.16	0.1	0.11	0.10	0.15	0.2	0.15	0.13	0.2
14.	BOD 3 days at 27°C	mg/L	53	64	59	71	45	61	61	81	27	44	58	46
15.	COD	mg/L	158	192	177	214	136	182	182	242	81	133	175	139
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.3	0.2	0.3	0.1	0.3	0.2	0.1	0.1	0.2	0.2
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.04	0.05	0.04	0.04	0.04	0.03	0.08	0.03	0.05	0.02	0.06	0.04
20.	Cadmium	mg/L	0.02	0.02	0.02	BDL (DL-0.05)	0.03	0.03	0.03	0.01	0.02	0.02	0.02	0.03
21.	Hexavalent Chromium	mg/L	0.1	0.4	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.3	0.3	0.2
22.	Total Chromium	mg/L	0.6	0.6	0.6	0.4	0.5	0.4	0.5	0.4	0.3	0.5	0.6	0.4
23.	Nickel	mg/L	0.1	0.3	0.2	BDL (DL-0.3)	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.2	0.3	0.2	0.3	0.2	0.1	0.1	0.3	0.1	0.2	0.2
26.	Iron	mg/L	0.3	0.1	0.2	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	0.2	0.3	0.2	BDL (DL-0.21)	0.2	0.1	0.2	0.3	0.2	0.3	0.3	0.1
29.	Nitrate Nitrogen as NO3-N	mg/L	3.8	8.6	3.6	5.8	6.7	5.8	3.4	3.2	6.2	2.8	3.2	2.4

Note: 1. Temperature and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.20. Wastewater Monitoring Data (M/s. Thermax Ltd.)

April 2024 to June 2024

Wastewater Samples	Month	April 2024					May 2024					June 2024							
	Date of Sampling	04/04/24	10/04/24	20/04/24	26/04/24	26/04/24 (Night)	03/05/24	07/05/24	09/05/24	24/05/24	29/05/24	07/06/24	13/06/24	14/06/24 (Night)	14/06/24	26/06/24	28/06/24	29/06/24	
S. No.	Test Parameters	Unit	Result																
01.	Temperature	°C	33	34	32	34	30	37	39	37	36	37	37	37	35	35	34	35	28
02.	pH at 25°C	pH unit	7.43	7.65	7.46	7.36	7.85	7.45	7.32	8.42	8.32	7.34	7.85	8.62	7.75	7.36	7.48	7.45	7.52
03.	Total Suspended Solids (TSS)	mg/L	59	46	35	61	59	21	54	58	47	49	44	60	46	59	54	40	48
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	563	526	289	286	325	173	389	482	312	346	342	292	452	258	352	253	274
06.	Oil & grease	mg/L	9.5	8.6	3.2	4.5	7.6	2.5	5.2	10.3	4.0	2.8	4.6	4.6	4.6	2.0	3.6	3.5	4.2
07.	Fluoride	mg/L	0.75	0.52	0.6	0.7	0.7	0.5	0.62	0.7	0.6	0.7	0.8	0.7	0.7	0.6	0.5	0.7	0.7
08.	Sulphide	mg/L	0.65	0.35	0.4	0.5	0.5	0.3	0.40	0.6	0.4	0.4	0.5	0.5	0.5	0.4	0.3	0.5	0.5
09.	Ammonical Nitrogen	mg/L	35.0	26.2	11	40	35	10.6	16.8	14.7	25.3	3.4	12.5	10.2	6.8	8.9	2.4	3.6	6.5
10.	Total Kjeldahl Nitrogen	mg/L	41.3	28.7	15	46	42	16.2	23.7	21.6	32.6	8.5	16.8	14.3	10.2	12.5	5.1	7.4	9.4
11.	Free Ammonia	mg/L	0.32	0.32	0.4	0.35	0.52	0.25	0.42	0.45	0.31	0.25	0.35	0.35	0.52	0.20	0.25	0.20	0.28
12.	Copper	mg/L	0.05	0.05	0.04	0.21	0.06	0.13	0.04	0.03	0.20	0.03	0.15	0.25	0.03	0.02	0.12	0.18	0.03
13.	Zinc	mg/L	0.2	0.28	0.23	0.32	0.42	0.17	0.22	0.15	0.24	0.22	0.1	0.12	0.25	0.13	0.20	0.21	0.2
14.	BOD 3 days at 27°C	mg/L	78	60	47	80	78	27	72	77	63	65	59	79	62	78	72	53	64
15.	COD	mg/L	234	182	142	242	234	82	215	231	188	196	176	238	185	219	217	158	192
16.	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.3	0.3	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.4	0.3	0.03	0.3	0.04	0.2	0.2	0.23	0.32	0.12	0.25	0.45	0.3	0.15	0.28	0.2	0.1
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	0.04	BDL (DL-0.05)	0.03	BDL (DL-0.05)	BDL (DL-0.05)	0.02	BDL (DL-0.05)	0.01	0.03	BDL (DL-0.05)	BDL (DL-0.05)	0.02	0.02	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.3	0.4	0.2	0.1	0.5	0.2	0.3	0.3	0.2	0.2	0.3	0.1	0.2	0.1	0.2	0.2	0.1
22.	Total Chromium	mg/L	0.5	0.5	0.4	0.3	0.7	0.3	0.4	0.4	0.4	0.3	0.4	0.45	0.5	0.2	0.42	0.4	0.3
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	0.2	BDL (DL-0.3)	0.1	BDL (DL-0.3)	BDL (DL-0.3)	0.1	BDL (DL-0.3)	0.2	0.1	BDL (DL-0.3)	BDL (DL-0.3)	0.1	0.1	BDL (DL-0.3)
24.	Cyanide	mg/L	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
25.	Phenolic compound	mg/L	0.3	0.3	0.4	0.3	0.4	0.3	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.2	0.2	0.4	0.2
26.	Iron	mg/L	0.4	0.4	0.3	0.2	0.3	0.2	0.1	0.3	0.3	0.3	0.3	0.5	0.3	0.1	0.3	0.2	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	18.2	12.7	6.5	13.2	18.5	7.6	7.8	9.8	15.3	5.4	10.4	8.9	5.2	4.2	7.8	4.9	4.2

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.21. Wastewater Monitoring Data (M/s. Thermax Ltd.)

July 2024 to September 2024																
Wastewater Samples		Month	July 2024							August 2024			September 2024			
		Date of Sampling	03/07/24	08/07/24	15/07/24	19/07/24	26/07/24	27/07/24	29/07/24	31/07/24	05/08/24	12/08/24	06/09/24	13/09/24	21/09/24	24/09/24
S. No.	Test Parameters	Unit	Result													
01.	Temperature	°C	35	37	34	32	32	29	29	32	33	32	34	30	30	30
02.	pH at 25°C	pH unit	7.52	8.24	7.42	8.32	7.34	7.62	7.42	7.55	7.28	7.35	7.62	7.52	7.62	7.48
03.	Total Suspended Solids (TSS)	mg/L	55	45	46	30	38	40	35	45	35	56	60	53	51	40
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	421	342	327	315	158	285	296	392	249	276	346	318	324	235
06.	Oil & grease	mg/L	3.6	5.4	4.2	5.4	3.8	3.5	5.1	3.2	4.2	5.2	6.8	6.2	4.8	4.2
07.	Fluoride	mg/L	0.7	0.8	0.6	0.8	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.7	0.5
08.	Sulphide	mg/L	0.5	0.6	0.3	0.6	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.5	0.3
09.	Ammonical Nitrogen	mg/L	5.6	5.6	6.5	3.2	5.4	4.6	9.7	6.8	3.6	8.5	7.9	8.7	6.9	4.2
10.	Total Kjeldahl Nitrogen	mg/L	7.5	8.4	8.7	5.4	7.6	5.5	12.4	8.5	5.1	12.4	10.8	11.3	10.5	5.6
11.	Free Ammonia	mg/L	0.30	0.30	0.29	0.30	0.30	0.22	0.21	0.35	0.21	0.20	0.29	0.2	0.25	0.2
12.	Copper	mg/L	0.10	0.23	0.16	0.23	0.21	0.10	0.10	0.15	0.15	0.11	0.24	0.11	0.10	0.1
13.	Zinc	mg/L	0.12	0.15	0.12	0.14	0.15	0.15	0.13	0.10	0.10	0.12	0.17	0.1	0.1	0.1
14.	BOD 3 days at 27°C	mg/L	73	60	61	39	51	53	46	60	47	75	80	71	68	53
15.	COD	mg/L	218	179	184	118	152	158	138	182	140	224	241	212	205	160
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.31	0.32	0.24	0.25	0.41	0.3	0.3	0.35	0.22	0.21	0.25	0.25	0.25	0.2
20.	Cadmium	mg/L	0.02	0.02	0.03	0.05	0.02	0.01	0.03	0.02	0.04	0.02	0.03	0.05	0.03	0.03
21.	Hexavalent Chromium	mg/L	0.4	0.2	0.3	0.2	0.1	0.3	0.2	0.3	0.3	0.2	0.4	0.4	0.2	0.4
22.	Total Chromium	mg/L	0.6	0.4	0.5	0.62	0.3	0.5	0.4	0.5	0.64	0.4	0.70	0.6	0.5	0.6
23.	Nickel	mg/L	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
24.	Cyanide	mg/L	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
25.	Phenolic compound	mg/L	0.2	0.3	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.1	0.4	0.3	0.1	0.3
26.	Iron	mg/L	0.1	0.4	0.4	0.3	0.5	0.1	0.1	0.3	0.3	0.2	0.1	0.2	0.3	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	8.4	5.4	8.7	10.5	8.0	7.2	13.5	10.2	7.2	6.5	5.8	5.2	5.4	5.8

Note: 1. Temperature and Total Residual Chlorine was measured onsite.
 2. BDL – Below Detection Limit, DL – Detection Limit

4.22. Wastewater Monitoring Data (M/s. Torrent Pharmaceuticals Ltd.)

April 2024 to June 2024

Wastewater Samples		Month	April 2024			May 2024					June 2024				
		Date of Sampling	08/04/24	24/04/24	29/04/24	01/05/24	16/05/24	21/05/24	29/05/24	31/05/24	07/06/24	13/06/24	20/06/24	24/06/24	28/06/24
S. No.	Test Parameters	Unit	Result												
01.	Temperature	°C	34	32	32	37	37	37	37	37	37	36	36	35	34
02.	pH at 250C	pH unit	7.36	7.62	7.68	7.45	7.28	7.35	7.46	6.59	6.62	7.82	7.52	7.34	7.28
03.	Total Suspended Solids (TSS)	mg/L	27	29	11	33	29	27	24	18	32	20	32	28	28
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	123	156	76	186	92	172	132	69	121	156	142	76	110
06.	Oil & grease	mg/L	3.5	3.5	2.6	3.1	2.0	2.8	2.1	2.0	2.8	2.5	2.8	2.5	2.9
07.	Fluoride	mg/L	0.5	0.7	0.5	0.6	0.6	0.6	0.6	0.4	0.6	0.6	0.5	0.5	0.5
08.	Sulphide	mg/L	0.36	0.5	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.4	0.3
09.	Ammonical Nitrogen	mg/L	15.2	8.1	8	2.8	3.9	3.4	2.8	4.6	3.0	4.0	3.5	5.2	5.2
10.	Total Kjeldahl Nitrogen	mg/L	18.6	12.3	12	6.4	7.3	7.6	5.4	8.4	7.1	7.8	6.2	7.5	8.6
11.	Free Ammonia	mg/L	0.3	0.25	0.23	0.5	0.25	0.22	.25	0.21	0.25	0.28	0.35	0.20	0.20
12.	Copper	mg/L	0.02	0.02	0.20	0.03	0.13	0.01	0.1	0.15	0.10	0.02	0.02	0.15	0.15
13.	Zinc	mg/L	0.1	0.20	0.2	0.2	0.10	0.25	0.23	0.21	0.12	0.1	0.18	0.10	0.10
14.	BOD 3 days at 270C	mg/L	36	38	37	44	39	36	32	24	43	26	43	37	37
15.	COD	mg/L	109	115	108	132	116	107	95	73	129	78	128	110	110
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.04	0.03	0.3	0.02	0.2	0.02	0.2	0.2	0.22	0.01	0.02	0.1	0.1
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	0.03	BDL (DL-0.05)	0.02	BDL (DL-0.05)	0.01	0.01	0.02	BDL (DL-0.05)	BDL (DL-0.05)	0.03	0.03
21.	Hexavalent Chromium	mg/L	0.2	0.4	0.3	0.3	0.4	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.2
22.	Total Chromium	mg/L	0.3	0.6	0.6	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	0.1	BDL (DL-0.3)	0.2	BDL (DL-0.3)	0.2	0.2	0.1	BDL (DL-0.3)	BDL (DL-0.3)	0.1	0.2
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1
26.	Iron	mg/L	0.4	0.3	0.3	0.4	0.2	0.2	0.2	0.3	0.1	0.1	0.3	0.2	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	0.5	BDL (DL-0.21)	0.4	BDL (DL-0.21)	0.3	0.4	0.4	BDL (DL-0.21)	BDL (DL-0.21)	0.2	0.4
29.	Nitrate Nitrogen as NO3-N	mg/L	5.2	2.5	2.8	4.8	2.4	3.5	2.0	3.8	3.1	3.4	4.2	2.0	4.1

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

4.23. Wastewater Monitoring Data (M/s. Torrent Pharmaceuticals Ltd.)

July 2024 to September 2024														
Wastewater Samples		Month	July 2024				August 2024				September 2024			
		Date of Sampling	04/07/24	08/07/24	13/07/24	26/07/24	02/08/24	09/08/24	16/08/24	23/08/24	04/09/24	19/09/24	28/09/24	30/09/24
S. No.	Test Parameters	Unit	Result											
01.	Temperature	OC	35	36	35	30	31	30	32	30	33	32	32	34
02.	pH at 25OC	pH unit	7.52	7.42	7.46	7.38	7.53	7.35	7.45	7.52	7.62	7.42	7.53	7.52
03.	Total Suspended Solids (TSS)	mg/L	30	23	29	27	30	27	31	28	30	27	42	34
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	162	158	56	218	218	179	184	252	192	215	286	152
06.	Oil & grease	mg/L	2.3	3.4	3.8	3.6	2.9	3.2	2.9	3.1	3.6	2.3	5.2	3.8
07.	Fluoride	mg/L	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.6	0.4	0.4	0.6	0.5
08.	Sulphide	mg/L	0.4	0.5	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.5	0.3
09.	Ammonical Nitrogen	mg/L	4.2	2.1	2.0	3.8	5.4	3.2	8.2	6.4	4.8	5.9	5.8	3.2
10.	Total Kjeldahl Nitrogen	mg/L	7.4	4.2	3.2	6.4	7.3	4.8	12.4	8.6	6.1	7.3	8.4	7.3
11.	Free Ammonia	mg/L	0.27	0.18	0.18	0.20	0.24	0.21	0.23	0.25	0.2	0.15	0.19	0.12
12.	Copper	mg/L	0.03	0.10	0.12	0.16	0.13	0.12	0.14	0.12	0.1	0.10	0.12	0.11
13.	Zinc	mg/L	0.12	0.12	0.1	0.10	0.10	0.1	0.12	0.10	0.1	0.13	0.10	0.10
14.	BOD 3 days at 27OC	mg/L	39	31	39	36	39	36	42	37	40	36	56	46
15.	COD	mg/L	118	92	117	108	118	108	125	110	120	107	168	137
16.	Total Residual Chlorine	mg/L	0.2	0.2	0.1	0.1	0.3	0.2	0.1	0.2	0.2	0.1	0.2	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.04	0.2	0.07	0.25	0.3	0.3	0.21	0.23	0.2	0.1	0.2	0.1
20.	Cadmium	mg/L	BDL (DL-0.05)	0.04	0.04	0.03	0.02	0.05	0.02	0.05	0.03	0.04	0.03	0.03
21.	Hexavalent Chromium	mg/L	0.3	0.4	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22.	Total Chromium	mg/L	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
23.	Nickel	mg/L	BDL (DL-0.3)	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.3	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.2	0.3
26.	Iron	mg/L	0.4	0.2	0.1	0.3	0.1	0.2	0.1	0.1	0.2	0.2	0.3	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1
29.	Nitrate Nitrogen as NO3-N	mg/L	3.7	3.5	3.8	4.8	5.4	3.1	3.9	5.4	4.3	2.8	3.5	3.5

Note: 1. Temperature and Total Residual Chlorine was measured onsite.
 2. BDL – Below Detection Limit, DL – Detection Limit

4.24. Wastewater Monitoring Data (M/s. Sun Pharmaceuticals & Industries Ltd.)

April 2024 to June 2024

Wastewater Samples		Month	April 2024					May 2024					June 2024					
		Date of Sampling	03/04/24	11/04/24	17/04/24	22/04/24	26/04/24 (night)	27/04/24	02/05/24	06/05/24	13/05/24	17/05/24	20/05/24	06/06/24	10/06/24	14/06/24	19/06/24	25/06/24
S. No.	Test Parameters	Unit	Result															
01.	Temperature	°C	34	33	30	34	33	34	36	36	38	37	37	36	36	29	36	38
02.	pH at 250C	pH unit	7.52	7.34	7.42	7.36	7.25	7.36	7.42	7.62	6.52	7.32	7.25	7.52	7.52	7.52	7.34	7.42
03.	Total Suspended Solids(TSS)	mg/L	38	54	31	22	10	18	21	24	15	31	22	27	43	49	55	47
04.	Color	mg/L	LIGHT YELLOW	LIGHT YELLOW	CLEAR	CLEAR	CLEAR	CLEAR	LIGHT YELLOW	CLEAR	LIGHT YELLOW	LIGHT YELLOW	CLEAR	LIGHT YELLOW	LIGHT YELLOW	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	186	152	242	186	72	172	235	193	248	134	143	175	242	231	234	136
06.	Oil & grease	mg/L	7.6	4.8	3.2	4.3	2.0	3.5	3.7	2.4	3.2	2.4	2.8	2.0	4.2	2.7	2.5	2.8
07.	Fluoride	mg/L	0.4	0.4	0.42	0.52	0.20	0.5	0.8	0.6	0.6	0.7	0.21	0.6	0.5	0.5	0.7	0.6
08.	Sulphide	mg/L	0.3	0.3	0.20	0.21	0.16	0.4	0.6	0.3	0.4	0.4	0.18	0.3	0.4	0.3	0.5	0.5
09.	Ammonical Nitrogen	mg/L	16	42.1	18	10	6.8	9	3.8	3.4	2.9	3.8	3.6	4.2	3.2	5.0	3.9	6.5
10.	Total Kjeldahl Nitrogen	mg/L	21.2	46.8	21	16	8.2	12	13.4	8.5	6.7	5.4	6.5	6.8	6.2	9.2	5.4	8.0
11.	Free Ammonia	mg/L	0.35	0.32	0.32	0.32	0.10	0.25	0.42	0.28	0.21	0.31	0.15	0.25	0.35	0.21	0.25	0.25
12.	Copper	mg/L	0.18	0.15	0.02	0.04	0.02	0.02	0.23	0.01	0.13	0.10	0.01	0.14	0.12	0.02	0.01	0.01
13.	Zinc	mg/L	0.32	0.42	0.20	0.21	0.1	0.17	0.34	0.25	0.15	0.13	0.15	0.10	0.15	0.20	0.15	0.21
14.	BOD 3 days at 270C	mg/L	51	71	41	29	13	24	28	32	20	41	30	35	57	65	73	63
15.	COD	mg/L	153	214	124	89	40	71	85	95	59	124	89	106	172	196	219	189
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.03	0.04	0.02	0.02	0.01	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.03	0.01	0.03	0.03
20.	Cadmium	mg/L	0.04	0.06	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	0.04	BDL (DL-0.05)	0.02	0.03	BDL (DL-0.05)	0.02	0.02	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.3	0.23	0.32	0.25	0.1	0.1	0.32	0.28	0.2	0.2	0.3	0.1	0.3	0.3	0.32	0.25
22.	Total Chromium	mg/L	0.4	0.45	0.41	0.38	0.2	0.2	0.48	0.35	0.3	0.3	0.4	0.3	0.5	0.5	0.42	0.31
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.3	0.5	0.3	0.3	0.1	0.3	0.4	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.3	0.2
26.	Iron	mg/L	0.4	0.7	0.4	0.4	0.2	0.4	0.3	0.3	0.1	0.2	0.2	0.3	0.3	0.2	0.4	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	9.2	15.8	6.5	4.6	2.0	2.8	7.8	5.3	4.2	5.2	2.8	3.4	4.8	5.8	6.5	4.6

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

4.25. Wastewater Monitoring Data (M/s. Sun Pharmaceuticals & Industries Ltd.)

July 2024 to August 2024															
Wastewater Samples		Month	July 2024					August 2024			September 2024				
		Date of Sampling	01/07/24	05/07/24	12/07/24	16/07/24	23/07/24	27/07/24	20/08/24	22/08/24	30/08/24	02/09/24	09/09/24	18/09/24	23/09/24
S. No.	Test Parameters	Unit	Result												
01.	Temperature	°C	34	35	34	32	36	28	29	33	34	34	33	32	30
02.	pH at 25°C	pH unit	7.46	7.35	7.62	7.46	7.62	7.45	7.42	7.42	7.52	7.52	7.42	7.43	7.42
03.	Total Suspended Solids (TSS)	mg/L	57	43	31	27	33	24	34	29	33	54	61	42	56
04.	Color	mg/L	LIGHT YELLOW	CLEAR	CLEAR	LIGHT YELLOW	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	315	189	179	346	246	158	295	276	238	241	312	192	382
06.	Oil & grease	mg/L	2.8	3.6	3.2	5.2	3.8	2.3	4.8	2.8	4.2	4.2	5.2	4.2	4.6
07.	Fluoride	mg/L	0.7	0.6	0.6	0.6	0.5	0.6	0.7	0.5	0.5	0.6	0.6	0.5	0.7
08.	Sulphide	mg/L	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.3	0.4	0.5	0.3	0.6
09.	Ammonical Nitrogen	mg/L	4.8	5.2	5.6	2.2	3.8	3.4	9.2	7.2	6.8	6.4	6.2	6.9	12.7
10.	Total Kjeldahl Nitrogen	mg/L	7.3	8.4	7.5	3.5	5.4	6.4	13.8	9.7	8.4	8.1	8.4	9.4	15.8
11.	Free Ammonia	mg/L	0.20	0.28	0.22	0.25	0.28	0.30	0.15	0.25	0.15	0.18	0.12	0.10	0.24
12.	Copper	mg/L	0.12	0.03	0.02	0.15	0.02	0.02	0.01	0.04	0.01	0.02	0.02	0.02	0.02
13.	Zinc	mg/L	0.15	0.2	0.18	0.10	0.25	0.2	0.10	0.3	0.1	0.1	0.19	0.13	0.10
14.	BOD 3 days at 27°C	mg/L	76	57	42	35	44	32	46	38	44	72	92	56	75
15.	COD	mg/L	228	172	125	106	132	97	137	116	132	215	245	167	224
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.3	0.1	0.1	0.3	0.1	0.2
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.02	0.04	0.02	0.02	0.02	0.02	0.05	0.05	0.01	0.03	0.04	0.03	0.04
20.	Cadmium	mg/L	0.03	BDL (DL-0.05)	BDL (DL-0.05)	0.03	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.21	0.35	0.2	0.32	0.2	0.42	0.25	0.24	0.32	0.4	0.31	0.4
22.	Total Chromium	mg/L	0.5	0.42	0.52	0.4	0.45	0.4	0.61	0.46	0.46	0.51	0.6	0.52	0.6
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.1
26.	Iron	mg/L	0.3	0.4	0.2	0.1	0.3	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	5.4	4.2	5.4	6.5	6.4	7.3	4.6	5.4	4.3	3.8	3.2	4.5	3.6

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.26. Wastewater Monitoring Data (M/s. Coromandal International Ltd.)

April 2024 to June 2024														
Wastewater Samples		Month	April 2024			May 2024					June 2024			
		Date of Sampling	08/04/24	24/04/24	29/04/24	01/05/24	09/05/24	16/05/24	17/05/24	29/05/24	04/06/24	11/06/24	14/06/24	20/06/24
S. No.	Test Parameters	Unit	Result											
01.	Temperature	°C	32	34	32	36	36	37	30	36	37	36	34	37
02.	pH at 25°C	pH unit	7.52	7.62	7.45	7.35	7.52	7.32	7.58	7.46	7.45	7.36	7.62	7.42
03.	Total Suspended Solids (TSS)	mg/L	17	22	28	22	22	19	20	22	22	23	11	21
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	86	88	96	152	123	128	72	145	213	98	217	127
06.	Oil & grease	mg/L	3.2	3.2	3.2	4.3	2.0	2.1	2.0	2.6	3.2	2.4	2.5	3.2
07.	Fluoride	mg/L	0.4	0.6	0.4	0.5	0.5	0.5	0.4	0.5	0.6	0.4	0.7	0.6
08.	Sulphide	mg/L	0.3	0.3	0.2	0.4	0.3	0.3	0.2	0.3	0.4	0.3	0.3	0.3
09.	Ammonical Nitrogen	mg/L	10.2	7.6	13	3.5	6.7	5.2	4.6	5.6	4.2	2.1	3.2	3.6
10.	Total Kjeldahl Nitrogen	mg/L	14.3	11.2	20	9.2	9.2	8.6	7.3	8.9	7.6	3.5	5.4	6.5
11.	Free Ammonia	mg/L	0.5	0.23	0.28	0.6	0.20	0.21	0.21	0.15	0.32	0.15	0.18	0.5
12.	Copper	mg/L	0.02	0.032	0.03	0.05	0.02	0.01	0.01	0.02	0.04	0.01	0.03	0.03
13.	Zinc	mg/L	0.2	0.21	0.20	0.15	0.15	0.16	0.12	0.15	0.1	0.12	0.10	0.18
14.	BOD 3 days at 27°C	mg/L	23	29	37	29	29	25	27	29	29	31	15	28
15.	COD	mg/L	69	89	110	86	86	74	81	86	86	92	45	85
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.01	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.03	0.01	0.02	0.02
20.	Cadmium	mg/L	BDL (DL-0.05)	0.01	BDL (DL-0.05)	BDL (DL-0.05)	0.01	BDL (DL-0.05)	BDL (DL-0.05)	0.02	BDL (DL-0.05)	0.01	0.03	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.1	0.3	0.2	0.2	0.2	0.1	0.1	0.4	0.3	0.1	0.2
22.	Total Chromium	mg/L	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.6	0.5	0.3	0.3
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.3	0.2	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26.	Iron	mg/L	0.1	0.4	0.3	0.1	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	2.6	2.8	2.8	3.2	3.8	2.1	2.0	2.5	6.4	3.1	5.7	2.5

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.27. Wastewater Monitoring Data (M/s. Coromandal International Ltd.)

July 2024 to August 2024

Wastewater Samples		Month Date of Sampling	July 2024							August 2024					September 2024				
			04/07/24	08/07/24	13/07/24	19/07/24 12:52	19/07/24 2:15	20/07/24	25/07/24	27/07/24	02/08/24	07/08/24	16/08/24	18/08/24	23/08/24	04/09/24	10/09/24	19/09/24	24/09/24
S. No.	Test Parameters	Unit	Result																
01.	Temperature	°C	35	36	36	34	33	32	32	26	29	34	32	30	32	36	31	32	30
02.	pH at 25°C	pH unit	7.36	7.42	7.34	7.45	7.46	7.56	7.36	7.32	6.82	7.41	7.26	7.34	7.35	7.62	6.34	7.38	7.28
03.	Total Suspended Solids (TSS)	mg/L	28	22	22	23	28	13	27	22	26	28	29	31	32	19	10	29	31
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	198	78	238	162	262	125	316	156	268	234	238	246	234	182	89	179	276
06.	Oil & grease	mg/L	2.6	2.1	3.8	3.5	3.4	2.8	4.3	2.5	3.2	2.0	3.6	4.6	3.0	3.1	3.5	3.5	3.4
07.	Fluoride	mg/L	0.7	0.4	0.7	0.5	0.5	0.5	0.5	0.5	0.4	0.7	0.6	0.7	0.4	0.5	0.5	0.5	0.6
08.	Sulphide	mg/L	0.5	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.2	0.5	0.5	0.5	0.2	0.3	0.4	0.4	0.5
09.	Ammonical Nitrogen	mg/L	4.3	3.5	2.8	2.0	2.5	2.0	3.2	2.8	4.3	3.1	5.2	6.3	4.5	4.5	5.6	4.9	8.4
10.	Total Kjeldahl Nitrogen	mg/L	6.2	5.4	4.3	4.3	3.8	3.1	4.6	4.2	6.4	4.5	7.9	8.4	6.8	6.8	7.2	6.4	10.3
11.	Free Ammonia	mg/L	0.25	0.21	0.1	0.20	0.2	0.21	0.42	0.32	0.25	0.24	0.32	0.22	0.22	0.20	0.15	0.20	0.23
12.	Copper	mg/L	0.02	0.04	0.02	0.02	0.03	0.03	0.03	0.02	0.05	0.03	0.02	0.03	0.04	0.02	0.02	0.02	0.02
13.	Zinc	mg/L	0.15	0.18	0.12	0.1	0.10	0.1	0.2	0.21	0.1	0.18	0.1	0.15	0.1	0.1	0.13	0.10	0.15
14.	BOD 3 days at 27°C	mg/L	38	29	30	31	37	17	35	29	34	37	38	41	43	25	14	38	42
15.	COD	mg/L	113	86	89	2	110	52	106	86	102	112	115	123	128	76	41	115	125
16.	Total Residual Chlorine	mg/L	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.05	0.03	0.04	0.03	0.03	0.02	0.02	0.03	0.05	0.02	0.02	0.02	0.02	0.03	0.02	0.01	0.03
20.	Cadmium	mg/L	BDL (DL-0.05)	0.02	0.03	BDL (DL-0.05)	0.03	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.3	0.2	0.1	0.2	0.1	0.2	0.3	0.3	0.2	0.2	0.3	0.1	0.2	0.1	0.3	0.2	0.3
22.	Total Chromium	mg/L	0.5	0.5	0.3	0.4	0.3	0.4	0.6	0.5	0.4	0.4	0.4	0.3	0.4	0.3	0.5	0.3	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.2	0.1	0.1	0.3
26.	Iron	mg/L	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.3	0.2	0.1	0.1	0.2	0.2	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	5.4	4.2	8.4	5.6	6.4	3.2	5.4	4.3	4.2	3.7	3.1	6.8	4.8	4.2	3.4	2.4	6.2

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.28. Wastewater Monitoring Data (M/s.GIDC Drainage Pumping Station C-2)

April 2024 to June 2024											
Wastewater Samples		Month	April 2024				May 2024			June 2024	
		Date of Sampling	05/04/24	13/04/24	17/04/24	25/04/24	06/05/24	17/05/24	28/05/24	14/06/24	27/06/24
S. No.	Test Parameters	Unit	Result								
01.	Temperature	°C	33	34	32	32	38	38	35	37	35
02.	pH at 25°C	pH unit	7.43	7.54	8.26	7.15	7.84	7.45	7.79	7.64	7.52
03.	Total Suspended Solids (TSS)	mg/L	57	38	74	60	381	102	107	89	82
04.	Color	mg/L	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH
05.	Sulphate	mg/L	216	182	345	326	463	372	579	385	456
06.	Oil & grease	mg/L	9.2	5.8	10.2	8.6	10.3	10.5	8.9	12.4	12.5
07.	Fluoride	mg/L	0.6	0.5	0.9	0.9	1.8	1.2	1.2	1.5	1.3
08.	Sulphide	mg/L	0.5	0.4	0.7	0.6	1.4	1.0	1.1	1.1	1.0
09.	Ammonical Nitrogen	mg/L	79.1	134	214	116	35.3	42.6	78.8	28.5	10.5
10.	Total Kjeldahl Nitrogen	mg/L	86.2	142	226	123	42.6	57.5	84.9	32.4	13.8
11.	Free Ammonia	mg/L	0.6	0.58	0.58	0.65	0.83	0.68	0.65	0.72	0.72
12.	Copper	mg/L	0.2	0.42	0.42	0.38	0.52	0.25	0.51	0.45	0.45
13.	Zinc	mg/L	0.32	0.38	0.32	0.32	0.45	0.42	0.32	0.32	0.32
14.	BOD 3 days at 27°C	mg/L	75	116	51	79	508	101	142	119	110
15.	COD	mg/L	226	348	295	238	1524	304	426	356	329
16.	Total Residual Chlorine	mg/L	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.03	0.03	0.05	0.06	0.08	0.035	0.21	0.07	0.09
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.4	0.4	0.5	0.7	0.28	0.54	0.5	0.5
22.	Total Chromium	mg/L	0.4	0.5	0.5	0.7	1.2	0.37	0.73	1.0	1.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.2	0.6	0.4	0.7	0.25	0.5	0.6	0.6
26.	Iron	mg/L	0.3	0.4	0.4	0.3	0.8	0.34	0.6	0.5	0.5
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	12.4	22.5	26.5	38.2	45.2	15.7	38.9	34.2	32.5

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.29. Wastewater Monitoring Data (M/s.GIDC Drainage Pumping Station C-2)

July 2024 to September 2024													
Wastewater Samples		Month	July 2024			August 2024				September 2024			
		Date of Sampling	09/07/24	17/07/24	27/07/24	03/08/24	10/08/24	22/08/24	28/08/24	14/09/24	25/09/24	27/09/24	30/09/24
S. No.	Test Parameters	Unit	Result										
01.	Temperature	°C	36	32	34	30	29	33	35	32	30	31	32
02.	pH at 25°C	pH unit	7.38	7.75	7.92	7.84	7.43	7.35	7.44	7.76	7.82	7.15	7.52
03.	Total Suspended Solids (TSS)	mg/L	60	71	85	156	111	91	87	286	89	55	59
04.	Color	mg/L	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH
05.	Sulphate	mg/L	482	652	542	682	642	529	524	429	542	178	389
06.	Oil & grease	mg/L	8.6	15.4	8.9	10.3	13.2	8.6	10.2	15.8	8.2	9.4	5.9
07.	Fluoride	mg/L	1.6	2.4	1.8	2.5	1.8	1.8	1.9	1.7	1.5	1.4	1.5
08.	Sulphide	mg/L	1.2	1.8	1.3	1.9	1.3	1.0	1.5	1.0	1.2	1.2	1.2
09.	Ammonical Nitrogen	mg/L	27.2	23.4	13.7	130	32.7	26.8	16.5	26.6	19.4	10.2	15.2
10.	Total Kjeldahl Nitrogen	mg/L	32.1	25.7	15.6	143	36.5	29.4	20.5	32.4	22.8	14.2	18.5
11.	Free Ammonia	mg/L	0.52	0.52	0.62	0.72	0.72	0.62	0.64	0.89	0.75	0.82	0.75
12.	Copper	mg/L	0.38	0.48	0.40	0.42	0.52	0.43	0.35	0.46	0.40	0.45	0.42
13.	Zinc	mg/L	0.28	0.42	0.35	0.34	0.28	0.25	0.31	0.25	0.29	0.32	0.38
14.	BOD 3 days at 27°C	mg/L	79	94	113	207	147	121	116	381	119	73	78
15.	COD	mg/L	238	282	338	622	442	362	349	1142	356	218	234
16.	Total Residual Chlorine	mg/L	0.3	0.3	0.3	0.5	0.4	0.4	0.2	0.7	0.4	0.5	0.4
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.07	0.25	0.08	0.09	0.06	0.05	0.05	0.09	0.05	0.07	0.06
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.6	0.8	0.7	0.8	0.5	0.8	0.9	1.2	1.0	1.0	1.0
22.	Total Chromium	mg/L	1.4	1.8	1.3	1.7	1.1	1.0	1.5	1.8	1.3	1.5	1.2
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.5	0.7	0.7	0.7	0.6	0.3	0.6	0.7	0.4	0.5	0.5
26.	Iron	mg/L	0.4	0.5	0.6	0.6	0.4	0.2	0.3	0.5	0.3	0.4	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	28.9	35.4	22.6	34.2	25.1	22.4	13.5	18.4	12.4	8.4	10.4

Note: 1. Temperature and pH was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.30. Wastewater Monitoring Data (M/s. Camlin Fine Sciences Ltd.)

April 2024 to June 2024																	
Wastewater Samples		Month	April 2024				May 2024					June 2024					
		Date of Sampling	08/04/24	12/04/24	20/04/24	26/04/24	03/05/24	07/05/24	11/05/24	24/05/24	29/05/24	07/06/24	13/06/24	14/06/24	26/06/24	28/06/24	29/06/24
S. No.	Test Parameters	Unit	Result														
01.	Temperature	°C	33	34	32	32	39	40	36	36	37	37	37	36	40	32	29
02.	pH at 25°C	pH unit	7.26	7.25	7.26	7.45	7.36	7.42	7.56	7.32	7.52	7.39	7.45	7.54	7.35	7.52	7.39
03.	Total Suspended Solids (TSS)	mg/L	29	19	32	28	18	48	40	41	38	24	19	22	31	20	21
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	86	86	62	146	112	105	173	158	149	134	215	132	187	143	135
06.	Oil & grease	mg/L	2.5	2.0	2.0	4.2	2.8	2.0	2.8	3.5	2.8	2.2	2.5	3.0	2.2	2.2	2.0
07.	Fluoride	mg/L	0.4	0.5	0.6	0.5	0.5	0.3	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.4	0.5
08.	Sulphide	mg/L	0.5	0.3	0.3	0.3	0.3	0.4	0.2	0.4	0.4	0.4	0.4	0.3	0.4	0.3	0.3
09.	Ammonical Nitrogen	mg/L	13.2	12.1	5	10.3	4.2	7.8	12.6	10.1	3.1	9.6	2.0	3.4	4.6	2.0	3.6
10.	Total Kjeldahl Nitrogen	mg/L	15.1	15.6	10	15.2	8.6	12.3	18.7	16.8	9.4	14.6	4.5	5.8	7.4	4.3	7.8
11.	Free Ammonia	mg/L	0.21	0.20	0.22	0.25	0.21	0.25	0.28	0.28	0.23	0.20	0.20	0.15	0.18	0.16	0.25
12.	Copper	mg/L	0.032	0.01	0.01	0.02	0.02	0.02	0.03	0.12	0.02	0.02	0.01	0.10	0.01	0.01	0.15
13.	Zinc	mg/L	0.20	0.18	0.15	0.19	0.18	0.22	0.25	0.10	0.21	0.17	0.12	0.12	0.10	0.1	0.11
14.	BOD 3 days at 27°C	mg/L	39	51	42	36	24	63	53	55	51	31	25	30	41	26	57
15.	COD	mg/L	117	25	128	110	73	190	159	164	152	94	75	89	124	79	82
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.02	0.02	0.02	0.03	0.02	0.020	0.025	0.02	0.05	0.03	0.02	0.03	0.01	0.01	0.02
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.1
22.	Total Chromium	mg/L	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.3
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.2	0.2	0.	0.3	0.2	0.2	0.3	0.2	0.1	0.1	0.2	0.3	0.1	0.2
26.	Iron	mg/L	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.4	0.4	0.2	0.1	0.1	0.2	0.2	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	12.4	5.6	4.2	3.2	3.1	6.8	6.4	6.8	8.5	4.9	4.3	4.5	3.8	4.2	6.0

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.31. Wastewater Monitoring Data (M/s. Camlin Fine Sciences Ltd.)

July 2024 to September 2024

Wastewater Samples		Month	July 2024								August 2024			September 2024		
		Date of Sampling	03/07/24	08/07/24	15/07/24	19/07/24	22/07/24	29/07/24	30/07/24 15:00	30/07/24 16:20	05/08/24	18/08/24	27/08/24	13/09/24	21/09/24	28/09/24
S. No.	Test Parameters	Unit	Result													
01.	Temperature	0C	35	36	37	37	32	29	29	30	31	34	34	32	30	30
02.	pH at 250C	pH unit	7.35	7.28	7.46	7.41	7.36	7.62	7.52	7.82	7.34	7.82	7.54	7.38	7.41	7.42
03.	Total Suspended Solids (TSS)	mg/L	19	27	35	36	62	29	31	37	23	36	27	31	21	35
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	DARK REDISH	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	234	154	243	254	325	234	176	652	182	316	217	278	138	182
06.	Oil & grease	mg/L	2.8	2.2	3.8	4.3	5.2	3.7	3.1	12.5	3.1	3.5	2.5	46	4.4	3.2
07.	Fluoride	mg/L	0.7	0.5	0.7	0.5	0.7	0.5	0.5	2.3	0.6	0.5	0.4	0.6	0.4	0.5
08.	Sulphide	mg/L	0.4	0.4	0.5	0.3	0.5	0.3	0.4	1.7	0.3	0.3	0.2	0.5	0.3	0.4
09.	Ammonical Nitrogen	mg/L	2.6	2.8	4.8	2.0	10.5	8.6	7.6	28.2	12.3	8.5	8.4	4.8	4.6	3.6
10.	Total Kjeldahl Nitrogen	mg/L	4.2	4.1	7.4	3.1	13.6	11.5	10.4	32.4	15.4	10.2	10.1	6.5	6.4	5.2
11.	Free Ammonia	mg/L	0.10	0.23	0.1	0.10	0.25	0.25	0.28	1.2	0.21	0.2	0.21	0.15	0.15	0.18
12.	Copper	mg/L	0.12	0.03	0.03	0.15	0.01	0.01	0.02	0.62	0.05	0.02	0.02	0.03	0.016	0.02
13.	Zinc	mg/L	0.10	0.10	0.12	0.16	0.15	0.10	0.15	1.0	0.16	0.10	0.1	0.2	0.12	0.1
14.	BOD 3 days at 270C	mg/L	25	36	46	47	82	39	41	49	30	47	36	41	27	46
15.	COD	mg/L	76	108	138	142	246	116	122	147	91	142	108	124	82	138
16.	Total Residual Chlorine	mg/L	0.1	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.1	0.1	0.2	0.2	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.05	0.04	0.02	0.05	0.03	0.02	0.03	0.4	0.01	0.01	0.03	0.02	0.02	0.01
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	0.05	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.3	0.3	0.2	0.3	0.2	0.3	0.4	0.2	0.3	0.2	0.1	0.2	0.2
22.	Total Chromium	mg/L	0.4	0.5	0.5	0.4	0.5	0.4	0.5	0.85	0.4	0.4	0.3	0.3	0.4	0.3
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	0.2	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.1	0.1	0.2	0.4	0.3	0.1	0.4	0.1	0.3	0.1	0.2	0.3	0.2
26.	Iron	mg/L	0.1	0.2	0.2	0.3	0.2	0.2	0.2	1.2	0.2	0.2	0.2	0.1	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	0.5	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	0.3	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	5.4	5.1	6.4	5.8	12.5	5.3	9.5	18.6	4.2	4.6	4.1	4.0	4.6	3.2

Note: 1. Temperature and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.32. Wastewater Monitoring Data (M/s. GIDC drainage pumping station - D)

April 2024 to June 2024									
Wastewater Samples		Month	April 2024			May 2024		June 2024	
		Date of Sampling	10/04/24	20/04/24	26/04/24	11/05/24	29/05/24	13/06/24	29/06/24
S. No.	Test Parameters	Unit	Result						
01.	Temperature	°C	32	33	34	35	37	37	32
02.	pH at 25°C	pH unit	7.65	7.96	7.52	7.49	7.13	7.48	7.42
03.	Total Suspended Solids (TSS)	mg/L	82	52	49	105	62	99	72
04.	Color	mg/L	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH
05.	Sulphate	mg/L	768	856	723	689	759	582	746
06.	Oil & grease	mg/L	10.5	10.6	9.5	13.5	8.6	10.4	16.2
07.	Fluoride	mg/L	1.2	1.0	1.0	1.5	1.3	1.8	2.4
08.	Sulphide	mg/L	1.4	0.86	0.8	1.5	1.0	1.2	1.8
09.	Ammonical Nitrogen	mg/L	216.1	156	35.2	98	28.5	42.6	36.5
10.	Total Kjeldahl Nitrogen	mg/L	224.2	163	40.5	124.1	34.6	46.5	42.6
11.	Free Ammonia	mg/L	0.8	0.8	0.75	1.2	0.85	1.5	1.5
12.	Copper	mg/L	0.6	0.4	0.35	0.9	0.48	0.76	1.1
13.	Zinc	mg/L	1.2	1.2	1.2	1.28	1.0	1.20	1.0
14.	BOD 3 days at 27°C	mg/L	108	72	65	104	82	132	96
15.	COD	mg/L	326	216	196	312	246	395	289
16.	Total Residual Chlorine	mg/L	0.2	0.3	0.2	0.3	0.3	0.3	0.3
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.25	0.42	0.23	0.38	0.56	0.32	0.42
20.	Cadmium	mg/L	0.05	0.06	0.042	0.04	0.04	0.037	0.03
21.	Hexavalent Chromium	mg/L	0.5	0.5	0.5	0.6	0.3	0.52	0.4
22.	Total Chromium	mg/L	0.7	0.6	0.6	0.86	0.7	0.89	0.80
23.	Nickel	mg/L	0.3	0.3	0.2	0.4	0.2	0.3	0.4
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.4	0.4	0.3	0.3	0.3	0.3	0.3
26.	Iron	mg/L	1.5	1.0	1.0	1.8	0.8	1.0	1.4
27.	Vanadium	mg/L	0.5	0.2	0.2	0.7	0.2	0.6	0.6
28.	Manganese	mg/L	0.3	0.5	0.5	0.5	0.3	0.4	0.4
29.	Nitrate Nitrogen as NO3-N	mg/L	34.5	52.2	15.3	38.3	42.8	35.4	32.7

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.33. Wastewater Monitoring Data (M/s. GIDC drainage pumping station - D)

July 2024 to September 2024												
Wastewater Samples		Month	July 2024				August 2024		September 2024			
		Date of Sampling	03/07/24	11/07/24	19/07/24	26/07/24	21/08/24	29/08/24	06/09/24	24/09/24	28/09/24	30/09/24
S. No.	Test Parameters	Unit	Result									
01.	Temperature	0°C	35	33	32	32	34	34	35	32	34	30
02.	pH at 25°C	pH unit	7.84	7.45	7.68	7.89	8.35	8.35	7.56	3.15	7.82	7.86
03.	Total Suspended Solids (TSS)	mg/L	67	55	61	62	92	92	98	239	48	87
04.	Color	mg/L	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH
05.	Sulphate	mg/L	462	476	426	496	543	543	542	624	385	452
06.	Oil & grease	mg/L	10.4	5.9	11.8	12.8	9.8	9.8	9.5	135	7.5	5.8
07.	Fluoride	mg/L	1.8	1.5	1.5	2.4	2.1	2.1	1.5	1.5	1.2	1.4
08.	Sulphide	mg/L	1.2	1.0	1.0	1.6	1.7	1.7	1.1	1.2	1.0	1.2
09.	Ammonical Nitrogen	mg/L	10.8	7.8	10.6	19.2	13.8	13.8	18.4	186	13.6	16.2
10.	Total Kjeldahl Nitrogen	mg/L	15.4	11.6	13.8	23.6	16.4	16.4	22.5	192	15.2	20.2
11.	Free Ammonia	mg/L	1.8	1.2	1.1	1.4	1.5	1.5	1.5	1.0	1.2	1.0
12.	Copper	mg/L	0.82	0.62	0.78	0.65	0.65	0.65	0.72	0.82	0.65	0.68
13.	Zinc	mg/L	1.52	1.2	1.12	1.10	1.0	1.0	1.5	1.4	1.0	1.2
14.	BOD 3 days at 27°C	mg/L	89	73	82	82	119	119	131	319	64	115
15.	COD	mg/L	268	218	245	246	358	358	392	957	192	346
16.	Total Residual Chlorine	mg/L	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.4	0.2
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.42	0.42	0.52	0.4	0.54	0.54	0.09	0.5	0.4	0.2
20.	Cadmium	mg/L	0.042	0.03	0.045	0.02	0.06	0.06	BDL (DL-0.01)	0.09	0.05	0.05
21.	Hexavalent Chromium	mg/L	0.48	0.42	0.55	0.34	0.5	0.5	0.3	0.5	0.5	0.3
22.	Total Chromium	mg/L	1.5	0.89	1.6	0.68	1.8	1.8	0.06	1.2	0.8	0.6
23.	Nickel	mg/L	0.4	0.2	0.2	0.2	0.3	0.3	0.4	0.42	0.2	0.2
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	0.6	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.5	0.3	0.3	0.2	0.4	0.4	0.1	0.5	0.1	0.2
26.	Iron	mg/L	1.0	0.8	1.2	1.3	0.7	0.7	ABSENT	0.6	0.2	0.1
27.	Vanadium	mg/L	0.3	0.5	0.5	0.4	0.2	0.2	0.1	0.7	0.3	0.2
28.	Manganese	mg/L	0.2	0.3	0.2	0.3	0.2	0.2	0.3	0.4	0.2	0.3
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	13.2	25.6	28.6	26.4	8.4	8.4	0.2	58.2	8.5	10.4

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.34. Wastewater Monitoring Data (M/s. GIDC drainage pumping station - C)

April 2024 to June 2024														
Wastewater Samples		Month	April 2024				May 2024				June 2024			
		Date of Sampling	13/04/24	10/05/24	23/05/24	28/05/24	05/06/24	08/06/24	12/06/24	27/06/24				
S. No.	Test Parameters	Unit	Result											
01.	Temperature	°C	32	36	37	37	37	36	35	35				
02.	pH at 25°C	pH unit	7.23	7.48	7.86	7.85	7.68	7.89	7.86	7.65				
03.	Total Suspended Solids (TSS)	mg/L	62	65	173	81	93	66	99	95				
04.	Color	mg/L	DARK REDDIS	DARK REDDIS	DARK REDDIS	DARK REDDIS	DARK REDDIS	DARK REDDIS	DARK REDDIS	DARK REDDIS				
05.	Sulphate	mg/L	653	583	752	895	689	652	652	459				
06.	Oil & grease	mg/L	15.2	17.3	13.4	14.8	14.6	10.6	15.8	6.9				
07.	Fluoride	mg/L	0.8	2.4	1.3	1.6	2.0	1.2	2.8	2.0				
08.	Sulphide	mg/L	1.5	1.8	1.8	1.9	1.4	1.0	1.5	1.5				
09.	Ammonical Nitrogen	mg/L	156	48.2	48.9	41.6	32.5	36.9	32.9	9.5				
10.	Total Kjeldahl Nitrogen	mg/L	165	58.6	57.6	46.8	40.8	39.2	36.8	13.6				
11.	Free Ammonia	mg/L	0.65	0.85	0.60	0.89	0.75	0.75	0.78	0.71				
12.	Copper	mg/L	0.29	0.36	0.35	0.45	0.43	0.50	0.42	0.32				
13.	Zinc	mg/L	0.52	0.55	0.42	0.62	0.42	0.48	0.38	0.50				
14.	BOD 3 days at 27°C	mg/L	82	83	127	108	124	88	132	126				
15.	COD	mg/L	246	248	380	324	371	264	396	378				
16.	Total Residual Chlorine	mg/L	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.3				
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)				
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)				
19.	Lead	mg/L	0.8	0.9	1.0	0.85	1.0	0.80	0.7	0.6				
20.	Cadmium	mg/L	0.5	0.6	0.6	0.62	0.9	0.57	0.5	0.5				
21.	Hexavalent Chromium	mg/L	0.6	0.7	0.4	0.38	0.7	0.32	0.6	0.6				
22.	Total Chromium	mg/L	1.5	1.7	1.9	1.8	2.8	1.5	1.8	1.9				
23.	Nickel	mg/L	0.4	0.6	0.3	0.5	0.5	0.4	0.4	0.5				
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT				
25.	Phenolic compound	mg/L	0.3	0.5	0.2	0.5	0.4	0.7	0.4	0.4				
26.	Iron	mg/L	0.7	0.8	0.5	0.7	0.8	0.6	0.5	0.6				
27.	Vanadium	mg/L	0.2	0.3	0.2	0.1	0.6	0.2	0.3	0.3				
28.	Manganese	mg/L	0.5	0.7	0.3	0.4	0.4	0.3	0.6	0.5				
29.	Nitrate Nitrogen as NO3-N	mg/L	32.5	36.8	28.6	32.8	28.5	26.8	30.4	25.4				

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.35. Wastewater Monitoring Data (M/s. GIDC drainage pumping station - C)

July 2024 to September 2024

Wastewater Samples		Month	July 2024			August 2024					September 2024			
		Date of Sampling	09/07/24	16/07/24	23/07/24	03/08/24	10/08/24	20/08/24	24/08/24	30/08/24	11/09/24	14/09/24	25/09/24	27/09/24
S. No.	Test Parameters	Unit	Result											
01.	Temperature	0°C	35	32	34	32	30	31	32	35	33	32	31	34
02.	pH at 25°C	pH unit	7.43	7.85	7.89	7.86	7.72	7.72	11.20	7.84	5.66	7.25	7.36	7.82
03.	Total Suspended Solids (TSS)	mg/L	65	67	71	191	96	57	105	162	224	191	82	105
04.	Color	mg/L	DARK REDDIS	DARK REDDIS	DARK REDDIS	DARK REDDIS	DARK REDDIS	DARK REDDIS	DARK REDDIS	DARK REDDIS	DARK REDDIS	DARK REDDIS	DARK REDDIS	DARK REDDIS
05.	Sulphate	mg/L	542	546	586	482	486	462	675	679	548	542	456	482
06.	Oil & grease	mg/L	12.5	12.8	13.8	16.5	10.5	9.5	11.8	15.4	47.6	18.4	5.8	10.3
07.	Fluoride	mg/L	2.5	2.8	2.5	2.2	2.2	2.9	2.2	2.0	2.6	2.5	8.4	2.0
08.	Sulphide	mg/L	1.2	1.6	1.8	1.5	1.0	1.8	1.5	1.8	1.8	1.8	1.5	1.5
09.	Ammonical Nitrogen	mg/L	20.4	19.2	28.6	89	24.3	35.8	28.6	22.5	51.8	18.2	15.6	8.4
10.	Total Kjeldahl Nitrogen	mg/L	23.5	23.4	32.4	112	28.1	38.4	31.8	25.8	54.6	25.1	20.4	12.4
11.	Free Ammonia	mg/L	0.62	0.72	0.62	0.86	0.79	0.82	0.75	0.75	1.2	1.0	1.0	0.8
12.	Copper	mg/L	0.31	0.45	0.52	0.56	0.43	0.46	0.48	0.45	0.68	0.78	0.5	0.45
13.	Zinc	mg/L	0.40	0.32	0.35	0.62	0.52	0.45	0.30	0.34	0.82	0.52	0.7	0.62
14.	BOD 3 days at 27°C	mg/L	86	89	95	255	128	75	140	216	299	254	109	140
15.	COD	mg/L	258	268	284	764	384	226	421	648	896	763	328	421
16.	Total Residual Chlorine	mg/L	0.3	0.2	0.4	0.6	0.4	0.5	0.5	0.4	0.9	0.8	0.5	0.5
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	1.2	1.5	0.5	1.8	1.4	1.6	0.8	1.5	2.5	1.7	2.2	2.0
20.	Cadmium	mg/L	0.8	0.8	0.4	1.4	0.9	1.1	0.6	0.7	1.8	1.2	1.5	1.5
21.	Hexavalent Chromium	mg/L	0.9	0.5	0.6	1.3	1.0	1.2	1.2	0.8	1.5	1.1	1.8	1.2
22.	Total Chromium	mg/L	2.2	2.6	1.8	2.8	2.5	2.5	2.4	2.5	3.5	2.5	3.2	2.1
23.	Nickel	mg/L	0.4	0.4	0.3	0.6	0.5	0.7	0.5	0.5	1.2	0.8	1.0	1.0
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.4	0.3	0.3	0.5	0.3	0.5	0.5	0.4	0.9	0.7	0.8	0.7
26.	Iron	mg/L	0.5	0.5	0.4	0.6	0.6	0.3	0.6	0.6	2.1	0.5	2.0	1.5
27.	Vanadium	mg/L	0.4	0.3	0.2	0.7	0.5	0.5	0.3	0.3	1.0	0.6	1.2	1.1
28.	Manganese	mg/L	0.3	0.2	0.3	0.8	0.4	0.6	0.2	0.4	1.3	1.0	1.5	1.0
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	25.1	23.8	15.4	25.3	21.9	30.4	22.1	18.4	24.6	20.4	8.4	5.8

Note: 1. Temperature and pH was measured onsite.
 2. BDL – Below Detection Limit, DL – Detection Limit

4.36. Wastewater Monitoring Data (M/s. Raks Pharma Pvt. Ltd.)

April 2024 to June 2024								
Wastewater Samples		Month	April 2024		May 2024		June 2024	
		Date of Sampling	12/04/24	26/04/24	21/05/24	24/05/24	13/06/24	24/06/24
S. No.	Test Parameters	Unit	Result					
01.	Temperature	°C	32	35	37	36	35	35
02.	pH at 25°C	pH unit	7.46	7.36	6.23	7.26	7.42	7.45
03.	Total Suspended Solids (TSS)	mg/L	28	22	22	20	24	20
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	121	86	72	134	145	82
06.	Oil & grease	mg/L	4.5	2.0	2.3	2.8	2.1	3.4
07.	Fluoride	mg/L	0.6	0.4	0.5	0.6	0.7	0.5
08.	Sulphide	mg/L	0.4	0.3	0.3	0.3	0.5	0.4
09.	Ammonical Nitrogen	mg/L	23	5.9	2.0	2.3	2.7	2.1
10.	Total Kjeldahl Nitrogen	mg/L	28.5	8.2	4.3	4.6	4.5	3.2
11.	Free Ammonia	mg/L	0.32	0.21	0.25	0.15	0.12	0.25
12.	Copper	mg/L	0.04	0.023	0.01	0.01	0.01	0.01
13.	Zinc	mg/L	0.2	0.15	0.18	0.10	0.15	0.2
14.	BOD 3 days at 27°C	mg/L	35	29	29	26	32	26
15.	COD	mg/L	112	89	87	79	95	78
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.1	0.02	0.02	0.01	0.02	0.01
20.	Cadmium	mg/L	0.03	0.03	0.02	0.02	0.03	0.02
21.	Hexavalent Chromium	mg/L	0.1	0.1	0.1	0.2	0.2	0.2
22.	Total Chromium	mg/L	0.3	0.3	0.3	0.3	0.5	0.4
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.1	0.3	0.3	0.3	0.3
26.	Iron	mg/L	0.4	0.2	0.2	0.2	0.2	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.5	2.3	3.4	3.6	3.2	4.6

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.
2. BDL – Below Detection Limit, DL – Detection Limit

4.37. Wastewater Monitoring Data (M/s. Raks Pharma Pvt. Ltd.)

July 2024 to September 2024															
Wastewater Samples		Month	July 2024					August 2024				September 2024			
		Date of Sampling	08/07/24	13/07/24	19/07/24	22/07/24	25/07/24	02/08/24	09/08/24	23/08/24	29/08/24	07/09/24	26/09/24	28/09/24	30/09/24
S. No.	Test Parameters	Unit	Result												
01.	Temperature	°C	35	35	33	33	31	31	30	30	34	32	30	34	32
02.	pH at 25°C	pH unit	7.52	7.56	7.38	7.42	7.42	7.58	7.52	7.36	7.32	7.42	7.36	7.42	7.46
03.	Total Suspended Solids (TSS)	mg/L	46	26	26	45	26	23	23	34	29	27	28	28	28
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	236	132	132	156	124	262	168	176	241	315	186	158	214
06.	Oil & grease	mg/L	2.6	3.2	5.4	5.4	3.1	3.2	2.6	2.4	3.0	3.2	2.6	2.8	2.1
07.	Fluoride	mg/L	0.8	0.5	0.6	0.6	0.5	0.6	0.6	0.4	0.6	0.5	0.4	0.4	0.4
08.	Sulphide	mg/L	0.6	0.4	0.4	0.4	0.3	0.4	0.3	0.2	0.3	0.4	0.2	0.3	0.3
09.	Ammonical Nitrogen	mg/L	2.5	3.5	3.5	4.8	2.8	5.4	4.7	5.2	4.6	3.2	4.5	2.5	2.4
10.	Total Kjeldahl Nitrogen	mg/L	4.0	4.5	4.6	6.5	4.1	6.8	6.4	7.4	6.7	5.4	6.8	4.2	4.2
11.	Free Ammonia	mg/L	0.15	0.22	0.25	0.32	0.10	0.12	0.15	0.15	0.25	0.15	0.1	0.10	0.12
12.	Copper	mg/L	0.03	0.02	0.01	0.02	0.01	0.02	0.01	0.03	0.03	0.01	0.01	0.02	0.02
13.	Zinc	mg/L	0.19	0.21	0.2	0.1	0.11	0.14	0.12	0.15	0.25	0.18	0.12	0.15	0.11
14.	BOD 3 days at 27°C	mg/L	61	34	35	45	34	30	31	45	38	36	37	37	37
15.	COD	mg/L	183	102	105	134	103	91	93	134	115	108	110	110	112
16.	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.2	0.1	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.03	0.02	0.01	0.02	0.01	0.04	0.02	0.04	0.04	0.02	0.01	0.04	0.01
20.	Cadmium	mg/L	0.04	0.03	0.02	0.03	0.02	0.05	0.03	0.01	0.02	0.02	0.02	0.03	0.03
21.	Hexavalent Chromium	mg/L	0.5	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.1	0.2	0.2	0.2
22.	Total Chromium	mg/L	0.8	0.5	0.5	0.5	0.4	0.7	0.5	0.4	0.4	0.4	0.4	0.4	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.2	0.3	0.2	0.2	0.2
26.	Iron	mg/L	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	4.8	3.4	4.1	8.6	3.5	6.3	4.0	4.8	4.3	4.8	3.5	2.0	2.1

Note: 1. Temperature and pH was measured onsite.
2. BDL – Below Detection Limit, DL – Detection Limit

4.38. Wastewater Monitoring Data (M/s. Aarti Industries Ltd., Z/103/C)

April 2024 to June 2024																		
Wastewater Samples		Month	April 2024					May 2024					June 2024					
		Date of Sampling	04/04/24	12/04/24	18/04/24	24/04/24	29/04/24	01/05/24	07/05/24	09/05/24	16/05/24	29/05/24	04/06/24	07/06/24	11/06/24	18/06/24	24/06/24	28/06/24
S. No.	Test Parameters	Unit	Result															
01.	Temperature	OC	32	32	33	34	36	36	38	36	37	36	36	37	37	35	40	38
02.	pH at 250C	pH unit	7.45	7.32	7.42	7.56	7.6	7.36	7.36	7.53	7.42	7.23	7.42	7.38	7.42	7.25	7.46	7.32
03.	Total Suspended Solids (TSS)	mg/L	27	47	29	31	33	23	24	27	31	30	31	28	28	24	23	27
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	112	216	86	121	216	235	178	243	168	168	196	145	148	134	214	189
06.	Oil & grease	mg/L	2.9	5.8	2.3	4.3	4.2	2.3	5.2	3.2	2.5	3.1	4.5	2.1	4.2	3.2	2.7	3.2
07.	Fluoride	mg/L	0.5	0.6	0.5	0.5	0.5	0.4	0.7	0.7	0.4	0.7	0.7	0.5	0.5	0.6	0.6	0.6
08.	Sulphide	mg/L	0.3	0.4	0.3	0.4	0.3	0.5	0.5	0.5	0.3	0.5	0.4	0.3	0.3	0.4	0.4	0.3
09.	Ammonical Nitrogen	mg/L	30.0	48	13	12	16	10.2	7.0	6.4	4.2	4.2	5.6	9.2	2.6	5.6	3.8	2.6
10.	Total Kjeldahl Nitrogen	mg/L	35.2	53	16	16	23	16.3	13.7	10.2	7.4	8.4	9.4	13.6	3.8	8.2	5.7	5.4
11.	Free Ammonia	mg/L	0.5	0.28	0.24	0.2	0.21	0.32	0.25	0.20	0.15	0.20	0.28	0.28	0.20	0.21	0.25	0.10
12.	Copper	mg/L	0.3	0.0	0.03	0.03	0.03	0.25	0.02	0.01	0.02	0.03	0.20	0.02	0.01	0.01	0.01	0.01
13.	Zinc	mg/L	0.20	0.3	0.18	0.25	0.18	0.15	0.24	0.23	0.10	0.1	0.10	0.12	0.2	0.21	0.12	0.1
14.	BOD 3 days at 270C	mg/L	36	30	38	41	43	31	31	36	41	40	41	37	37	32	31	36
15.	COD	mg/L	109	188	116	124	130	92	94	108	124	119	122	110	110	95	93	108
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.03	0.04	0.03	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.04	0.03	0.01	0.01	0.02	0.01
20.	Cadmium	mg/L	0.2	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	0.1	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	0.1	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.3	0.6	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.3	0.3	0.1	0.2	0.1	0.2
22.	Total Chromium	mg/L	0.4	0.4	0.4	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.5	0.5	0.2	0.3	0.2	0.4
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.2	0.4	0.2	0.2	0.2	0.4	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.2	0.4
26.	Iron	mg/L	0.4	0.4	0.5	0.4	0.4	0.3	0.2	0.2	0.3	0.1	0.4	0.2	0.2	0.2	0.1	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	0.2	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	0.1	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	0.2	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	7.3	10.3	3.2	5.3	3.6	5.2	2.8	4.5	4.2	2.5	6.4	4.2	3.2	3.4	2.8	5.8

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.
 2. BDL – Below Detection Limit, DL – Detection Limit

4.39. Wastewater Monitoring Data (M/s. Aarti Industries Ltd., Z/103/C)

July 2024 to September 2024

Wastewater Samples		Month	July 2024					August 2024					September 2024			
		Date of Sampling	13/07/24	22/07/24	25/07/24	29/07/24	31/07/24	02/08/24	05/08/24	09/08/24	12/08/24	23/08/24	27/08/24	10/09/24	21/09/24	26/09/24
S. No.	Test Parameters	Unit	Result													
01.	Temperature	°C	36	32	30	28	35	32	33	29	31	29	35	32	32	37
02.	pH at 25°C	pH unit	7.42	7.38	7.46	7.43	7.43	7.46	7.42	7.38	7.45	7.45	7.46	7.52	7.38	7.42
03.	Total Suspended Solids (TSS)	mg/L	31	20	30	27	28	18	18	20	30	28	15	15	19	24
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	245	243	243	231	189	224	196	219	213	282	158	142	173	248
06.	Oil & grease	mg/L	5.2	4.3	3.2	3.2	2.6	3.8	3.1	3.4	3.8	3.8	2.4	3.2	2.4	3.4
07.	Fluoride	mg/L	0.6	0.5	0.5	0.5	0.6	0.4	0.5	0.6	0.5	0.6	0.5	0.5	0.4	0.5
08.	Sulphide	mg/L	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.5	0.3	0.4	0.3	0.4
09.	Ammonical Nitrogen	mg/L	2.5	2.6	3.4	6.4	6.8	2.6	3.5	2.4	6.8	8.2	4.6	3.8	3.8	3.2
10.	Total Kjeldahl Nitrogen	mg/L	3.2	3.5	4.6	8.5	9.4	3.1	5.1	3.0	11.6	10.4	6.2	5.4	6.4	5.4
11.	Free Ammonia	mg/L	0.25	0.12	0.20	0.25	0.25	0.18	0.12	0.1	0.23	0.10	0.15	0.1	0.25	0.22
12.	Copper	mg/L	0.02	0.02	0.02	0.12	0.01	0.01	0.01	0.02	0.01	0.03	0.01	0.01	0.03	0.02
13.	Zinc	mg/L	0.3	0.1	0.15	0.15	0.10	0.12	0.2	0.10	0.2	0.1	0.1	0.12	0.1	0.14
14.	BOD 3 days at 27°C	mg/L	41	26	39	36	37	24	24	26	40	37	20	20	24	32
15.	COD	mg/L	124	79	118	108	110	71	71	78	119	112	61	61	74	95
16.	Total Residual Chlorine	mg/L	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.02	0.01	0.03	0.03	0.04	0.01	0.01	0.02	0.01	0.03	0.01	0.01	0.01	0.01
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	0.2	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.2	0.2	0.3	0.4	0.2	0.3	0.2	0.2	0.1	0.1	0.03	0.3	0.2
22.	Total Chromium	mg/L	0.4	0.4	0.4	0.5	0.6	0.3	0.6	0.3	0.3	0.3	0.3	0.2	0.5	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	Absent	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.3
26.	Iron	mg/L	0.2	0.1	0.1	0.3	0.2	0.1	0.2	0.2	0.3	0.3	0.1	0.2	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	0.1	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	5.8	4.6	4.6	5.4	8.5	3.2	6.9	3.1	4.3	4.0	3.4	2.6	3.0	2.8

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

4.40. Wastewater Monitoring Data (M/s. Ramdev Chemical Industries)

April 2024 to June 2024

Wastewater Samples		Month Date of Sampling	April 2024						May 2024				June 2024				
			03/04/24	09/04/24	17/04/24	22/04/24	26/04/24 (Night)	27/04/24	30/04/24	02/05/24	06/05/24	15/05/24	20/05/24	06/06/24	10/06/24	14/06/24	25/06/24
S. No.	Test Parameters	Unit	Result														
01.	Temperature	°C	32	32	33	30	30	32	34	37	35	36	36	36	35	36	38
02.	pH at 25°C	pH unit	7.46	7.45	7.35	7.36	7.43	7.36	7.84	7.47	7.31	7.25	7.34	7.42	7.46	7.56	7.42
03.	Total Suspended Solids (TSS)	mg/L	59	36	21	34	30	29	30	47	62	34	41	44	49	35	40
04.	Color	mg/L	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN
05.	Sulphate	mg/L	189	135	452	196	152	142	135	241	372	276	283	269	242	315	282
06.	Oil & grease	mg/L	6.3	6.5	5.3	6.8	3.6	3.6	3.6	4.3	4.3	3.0	3.0	3.6	3.3	4.6	3.5
07.	Fluoride	mg/L	0.6	0.5	0.5	0.6	0.4	0.7	0.4	0.6	0.6	0.6	0.6	0.7	0.5	0.7	0.7
08.	Sulphide	mg/L	0.4	0.3	0.3	0.2	0.2	0.5	0.3	0.4	0.4	0.4	0.4	0.5	0.3	0.4	0.5
09.	Ammonical Nitrogen	mg/L	46	35.2	12	18	13.6	15	15	21.3	18.6	13.2	15.8	4.5	10.6	46.0	5.8
10.	Total Kjeldahl Nitrogen	mg/L	52	41.3	18	24	16.2	21	22	28.4	24.5	18.1	21.7	8.2	14.6	52.6	8.4
11.	Free Ammonia	mg/L	0.36	0.2	0.36	0.35	0.25	0.4	0.21	0.25	0.35	0.21	0.21	0.23	0.25	0.32	0.25
12.	Copper	mg/L	0.07	0.04	0.05	0.04	0.034	0.25	0.03	0.02	0.04	0.02	0.1	0.02	0.13	0.03	0.03
13.	Zinc	mg/L	0.6	0.2	0.32	0.20	0.21	0.21	0.17	0.25	0.28	0.20	0.20	0.21	0.17	0.28	0.25
14.	BOD 3 days at 27°C	mg/L	78	48	28	45	40	38	40	63	82	45	55	58	65	46	53
15.	COD	mg/L	234	144	85	136	121	14	121	189	246	136	164	174	196	139	158
16.	Total Residual Chlorine	mg/L	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.07	0.02	0.1	0.03	0.02	0.3	0.02	0.03	0.32	0.02	0.02	0.21	0.03	0.03	0.02
20.	Cadmium	mg/L	0.06	0.04	0.03	BDL (DL-0.05)	BDL (DL-0.05)	0.04	BDL (DL-0.05)	BDL (DL-0.05)	0.05	BDL (DL-0.05)	BDL (DL-0.05)	0.04	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.5	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.4	0.4	0.4	0.2	0.3	0.3	0.3
22.	Total Chromium	mg/L	0.7	0.3	0.4	0.4	0.3	0.3	0.3	0.4	0.6	0.5	0.5	0.5	0.4	0.5	0.4
23.	Nickel	mg/L	0.1	0.2	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.2	0.4	0.2	0.1	0.3	0.2	0.2	0.4	0.2	0.2	0.2	0.1	0.1	0.2
26.	Iron	mg/L	0.3	0.4	0.5	0.3	0.3	0.5	0.1	0.1	0.5	0.2	0.3	0.3	0.3	0.2	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	0.2	0.3	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	13.8	10.5	10.2	4.8	4.6	4.3	3.5	5.2	13.4	4.1	3.7	6.3	3.1	3.2	3.8

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.41. Wastewater Monitoring Data (M/s. Ramdev Chemical Industries)

July 2024 to September 2024

Wastewater Samples		Month	July 2024					August 2024					September 2024			
		Date of Sampling	01/07/24	05/07/24	10/07/24	16/07/24	23/07/24	06/08/24	12/08/24	20/08/24	24/08/24	28/08/24	02/09/24	09/09/24	18/09/24	28/09/24
S. No.	Test Parameters	Unit	Result													
01.	Temperature	°C	34	35	33	32	35	31	29	30	30	28	34	33	31	34
02.	pH at 25°C	pH unit	7.49	7.62	7.28	7.42	7.52	7.62	7.54	7.42	7.52	7.56	7.63	7.42	7.46	7.48
03.	Total Suspended Solids (TSS)	mg/L	36	33	32	40	28	35	39	28	46	58	46	57	61	48
04.	Color	mg/L	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN
05.	Sulphate	mg/L	287	321	159	168	149	324	215	263	342	346	421	342	249	249
06.	Oil & grease	mg/L	3.2	3.1	4.2	3.0	2.8	3.5	3.5	5.2	3.5	4.6	6.1	8.4	6.8	4.8
07.	Fluoride	mg/L	0.5	0.6	0.5	0.5	0.4	0.6	0.4	0.6	0.6	0.7	0.5	0.7	0.8	0.5
08.	Sulphide	mg/L	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.5	0.5	0.3	0.6	0.6	0.4
09.	Ammonical Nitrogen	mg/L	6.5	8.6	2.8	6.4	3.8	4.8	15.6	8.9	6.8	5.8	11.2	7.9	12.6	8.9
10.	Total Kjeldahl Nitrogen	mg/L	9.7	12.4	4.6	9.2	5.6	6.4	18.4	12.4	8.7	9.4	15.4	10.6	15.8	12.6
11.	Free Ammonia	mg/L	0.28	0.25	0.25	0.32	0.20	0.25	0.21	0.21	.25	0.20	0.31	0.25	0.20	0.2
12.	Copper	mg/L	0.05	0.04	0.01	0.02	0.15	0.03	0.03	0.02	0.10	0.03	0.05	0.03	0.02	0.02
13.	Zinc	mg/L	0.24	0.20	0.26	0.15	0.10	0.20	0.12	0.36	0.15	0.21	0.28	0.2	0.18	0.1
14.	BOD 3 days at 27°C	mg/L	48	44	42	53	37	47	51	38	61	77	61	76	82	64
15.	COD	mg/L	143	132	128	158	110	140	154	113	184	230	183	228	245	191
16.	Total Residual Chlorine	mg/L	0.2	0.2	0.1	0.3	0.1	0.3	0.1	0.2	0.2	0.1	0.2	0.3	0.1	0.2
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.18	0.04	0.25	0.03	0.01	0.12	0.02	0.28	0.04	0.03	0.15	0.20	0.1	0.10
20.	Cadmium	mg/L	0.05	BDL (DL-0.05)	0.03	BDL (DL-0.05)	BDL (DL-0.05)	0.06	BDL (DL-0.05)	0.02	BDL (DL-0.05)	BDL (DL-0.05)	0.08	0.03	0.04	0.04
21.	Hexavalent Chromium	mg/L	0.3	0.2	0.2	0.1	0.2	0.4	0.2	0.3	0.2	0.3	0.2	0.1	0.2	0.3
22.	Total Chromium	mg/L	0.5	0.4	0.8	0.3	0.4	0.6	0.4	0.5	0.3	0.5	0.7	0.4	0.4	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.4	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.1	0.1	0.2	0.3	0.2	0.2
26.	Iron	mg/L	0.2	0.3	0.4	0.3	0.2	0.2	0.3	0.1	0.2	0.2	0.1	0.1	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	5.4	5.6	5.8	5.4	3.6	4.7	6.2	4.3	4.8	4.8	8.2	6.7	6.8	5.2

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

4.42. Wastewater Monitoring Data (M/s. Benzo Chem Industries Pvt. Ltd.)

April 2024 to June 2024

Wastewater Samples		Month	April 2024				May 2024				June 2024	
		Date of Sampling	04/04/24	12/04/24	18/04/24	24/04/24	03/05/24	07/05/24	14/05/24	17/05/24	13/06/24	28/06/24
S. No.	Test Parameters	Unit	Result									
01.	Temperature	°C	32	34	34	35	38	32	31	38	35	34
02.	pH at 25°C	pH unit	7.28	7.56	7.86	7.89	7.85	7.58	7.25	7.62	7.81	7.35
03.	Total Suspended Solids (TSS)	mg/L	53	44	34	33	44	44	60	59	44	34
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	189	275	386	286	352	278	372	179	245	243
06.	Oil & grease	mg/L	6.8	8.2	4.2	6.0	3.2	4.2	5.3	6.2	4.2	4.5
07.	Fluoride	mg/L	0.7	0.8	0.6	0.5	0.5	0.8	0.6	0.7	0.7	0.8
08.	Sulphide	mg/L	0.6	0.5	0.3	0.3	0.4	0.5	0.4	0.6	0.4	0.5
09.	Ammonical Nitrogen	mg/L	25.0	39	25	16	13.2	47.3	22.5	18.7	10.5	3.8
10.	Total Kjeldahl Nitrogen	mg/L	28.6	42	29	22	20.1	56.7	28.3	24.8	14.6	6.4
11.	Free Ammonia	mg/L	0.4	0.45	0.30	0.32	0.25	0.52	0.32	0.48	0.22	0.28
12.	Copper	mg/L	0.20	0.26	0.24	0.25	0.16	0.25	0.21	0.35	0.12	0.30
13.	Zinc	mg/L	0.16	0.21	0.21	0.18	0.15	0.21	0.15	0.28	0.10	0.21
14.	BOD 3 days at 27°C	mg/L	70	48	48	44	58	58	79	78	59	45
15.	COD	mg/L	212	176	134	132	175	175	238	234	176	136
16.	Total Residual Chlorine	mg/L	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.3	0.3	0.1	0.3	0.2	0.42	0.25	0.4	0.1	0.3
20.	Cadmium	mg/L	0.02	0.02	0.02	0.04	0.01	0.03	0.04	0.03	0.02	0.02
21.	Hexavalent Chromium	mg/L	0.3	0.4	0.2	0.4	0.3	0.2	0.3	0.3	0.2	0.2
22.	Total Chromium	mg/L	0.5	0.6	0.4	0.6	0.5	0.5	0.5	0.5	0.5	0.4
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.2
26.	Iron	mg/L	0.4	0.3	0.5	0.5	0.3	0.4	0.2	0.1	0.34	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	14.6	13.2	7.6	4.3	5.0	17.6	10.8	10.8	4.6	15.4

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.43. Wastewater Monitoring Data (M/s. Benzo Chem Industries Pvt. Ltd.)

July 2024 to September 2024

Wastewater Samples		Month	July 2024						August 2024					September 2024				
		Date of Sampling	04/07/24	13/07/24	19/07/24	26/07/24	27/07/24	31/07/24	02/08/24	05/08/24	12/08/24	21/08/24	27/08/24	04/09/24	10/09/24	21/09/24	26/09/24	
S. No.	Test Parameters	Unit	Result															
01.	Temperature	0°C	35	36	34	32	28	33	30	32	32	31	33	35	30	31	33	
02.	pH at 25°C	pH unit	7.48	7.38	7.62	7.28	7.72	7.43	7.62	7.54	7.29	7.41	7.42	7.41	7.43	7.52	7.65	
03.	Total Suspended Solids (TSS)	mg/L	42	44	40	35	34	43	16	19	42	40	44	18	61	33	43	
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	
05.	Sulphate	mg/L	276	315	224	352	224	182	212	236	243	279	242	249	186	146	285	
06.	Oil & grease	mg/L	3.4	3.6	5.4	3.6	3.4	3.7	3.1	2.5	4.6	3.0	3.4	2.8	3.6	3.6	6.1	
07.	Fluoride	mg/L	0.6	0.6	0.6	0.5	0.7	0.6	0.4	0.5	0.5	0.6	0.5	0.5	0.6	0.6	0.7	
08.	Sulphide	mg/L	0.4	0.5	0.4	0.4	0.4	0.4	0.2	0.3	0.3	0.4	0.3	0.4	0.5	0.5	0.5	
09.	Ammonical Nitrogen	mg/L	5.9	3.4	5.6	8.9	7.5	10.6	4.3	6.1	13.9	13.2	12.3	4.2	13.7	8.9	8.4	
10.	Total Kjeldahl Nitrogen	mg/L	8.7	5.8	8.8	12.4	10.4	13.4	5.2	8.4	15.2	16.4	15.8	6.7	16.9	11.6	10.8	
11.	Free Ammonia	mg/L	0.25	0.25	0.25	0.25	0.24	0.25	0.17	0.20	0.28	0.20	0.2	0.15	0.3	0.25	0.5	
12.	Copper	mg/L	0.15	0.10	0.15	0.10	0.28	0.18	0.12	0.12	0.12	0.15	0.1	0.10	0.15	0.10	0.12	
13.	Zinc	mg/L	0.12	0.13	0.11	0.2	0.15	0.12	0.10	0.1	0.10	0.12	0.1	0.12	0.10	0.13	0.15	
14.	BOD 3 days at 27°C	mg/L	56	59	53	46	43	58	21	25	56	53	58	24	82	44	57	
15.	COD	mg/L	168	175	159	139	129	173	63	74	167	158	174	72	245	131	172	
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.1	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.2	
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	
19.	Lead	mg/L	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.26	0.3	0.2	0.5	0.2	0.4	
20.	Cadmium	mg/L	0.04	0.04	0.02	0.03	0.03	0.04	0.05	0.02	0.02	0.04	0.04	0.04	0.06	0.01	0.05	
21.	Hexavalent Chromium	mg/L	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.2	0.3	
22.	Total Chromium	mg/L	0.6	0.6	0.4	0.6	0.4	0.4	0.7	0.5	0.4	0.4	0.4	0.6	0.6	0.4	0.5	
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	
25.	Phenolic compound	mg/L	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	
26.	Iron	mg/L	0.4	0.2	0.4	0.3	0.1	0.3	0.2	0.3	0.2	0.1	0.1	0.1	0.3	0.2	0.3	
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	5.8	5.4	6.5	4.2	18.5	6.4	4.8	6.1	6.7	5.4	4.1	4.1	6.9	4.8	5.8	

Note: 1. Temperature and pH was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.44. Wastewater Monitoring Data (M/s. Fermenta Biotech Ltd.)

April 2024 to June 2024												
Wastewater Samples		Month	April 2024		May 2024				June 2024			
		Date of Sampling	08/04/24	26/04/24	09/05/24	17/05/24	21/05/24	29/05/24	31/05/24	13/06/24	20/06/24	24/06/24
S. No.	Test Parameters	Unit	Result									
01.	Temperature	°C	32	34	36	30	36	36	37	36	36	36
02.	pH at 25°C	pH unit	7.42	7.52	7.25	7.49	7.53	7.38	7.85	7.52	7.62	7.42
03.	Total Suspended Solids (TSS)	mg/L	20	29	28	34	28	33	30	37	34	30
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	113	256	143	342	234	185	149	286	142	263
06.	Oil & grease	mg/L	4.3	5.3	3.5	4.1	4.2	4.5	3.4	4.8	3.5	3.5
07.	Fluoride	mg/L	0.4	0.6	0.7	0.5	0.5	0.7	0.7	0.7	0.6	0.6
08.	Sulphide	mg/L	0.3	0.3	0.4	0.3	0.3	0.5	0.5	0.5	0.3	0.4
09.	Ammonical Nitrogen	mg/L	11.2	6.5	10.6	7.5	2.5	4.3	5.8	6.2	4.6	5.8
10.	Total Kjeldahl Nitrogen	mg/L	15.4	10.2	18.3	12.4	5.7	8.1	9.7	10.2	6.8	7.6
11.	Free Ammonia	mg/L	0.30	0.28	0.25	0.22	0.22	0.22	0.25	0.20	0.21	0.20
12.	Copper	mg/L	0.155	0.02	0.12	0.01	0.03	0.01	0.01	0.02	0.02	0.02
13.	Zinc	mg/L	0.34	0.18	0.24	0.12	0.20	0.12	0.20	0.21	0.1	0.10
14.	BOD 3 days at 27°C	mg/L	26	39	37	45	37	44	39	49	45	39
15.	COD	mg/L	80	117	112	134	110	132	118	148	136	118
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.1	0.02	0.20	0.02	0.02	0.01	0.01	0.03	0.01	0.01
20.	Cadmium	mg/L	0.04	BDL (DL-0.05)	0.06	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.4	0.3	0.3	0.2	0.2	0.1	0.2	0.3	0.2	0.2
22.	Total Chromium	mg/L	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.5	0.3	0.3
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	Absent	Absent	Absent
25.	Phenolic compound	mg/L	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.3
26.	Iron	mg/L	0.3	0.3	0.3	0.2	0.3	0.1	0.3	0.2	0.1	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	0.2	BDL (DL-0.21)	0.1	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	8.3	2.0	5.7	2.8	2.8	2.2	2.8	3.7	3.4	3.2

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.45. Wastewater Monitoring Data (M/s. Fermenta Biotech Ltd.)

July 2024 to September 2024															
Wastewater Samples		Month	July 2024					August 2024			September 2024				
		Date of Sampling	04/07/24	08/07/24	13/07/24	19/07/24	20/07/24	25/07/24	02/08/24	07/08/24	29/08/24	04/09/24	10/09/24	19/09/24	26/09/24
S. No.	Test Parameters	Unit	Result												
01.	Temperature	0°C	35	35	35	33	32	32	32	33	32	33	32	30	31
02.	pH at 25°C	pH unit	7.35	7.36	7.48	7.53	7.42	7.54	7.46	7.32	7.42	7.48	7.42	7.45	7.35
03.	Total Suspended Solids (TSS)	mg/L	31	30	29	36	17	37	37	35	32	40	25	31	32
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	226	216	215	345	121	312	186	287	176	218	139	243	324
06.	Oil & grease	mg/L	3.2	4.6	2.8	5.2	2.8	4.5	4.2	4.2	2.5	4.8	2.7	3.2	4.2
07.	Fluoride	mg/L	0.5	0.5	0.5	0.6	0.5	0.6	0.6	0.5	0.4	0.5	0.5	0.5	0.4
08.	Sulphide	mg/L	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.3	0.5	0.4	0.4	0.3	0.3
09.	Ammonical Nitrogen	mg/L	7.6	3.8	3.6	3.8	2.2	5.4	7.6	4.2	7.6	11.2	4.9	6.7	4.1
10.	Total Kjeldahl Nitrogen	mg/L	11.5	6.1	5.2	6.5	3.6	8.2	9.2	6.0	9.4	15.4	8.2	8.4	6.3
11.	Free Ammonia	mg/L	0.18	0.26	0.15	0.25	0.15	0.23	0.22	0.22	0.10	0.25	0.20	0.25	0.2
12.	Copper	mg/L	0.03	0.03	0.03	0.01	0.01	0.01	0.02	0.03	0.02	0.03	0.01	0.03	0.02
13.	Zinc	mg/L	0.22	0.18	0.2	0.1	0.12	0.25	0.11	0.2	0.2	0.15	0.1	0.10	0.1
14.	BOD 3 days at 27°C	mg/L	41	39	39	47	23	49	49	46	43	53	33	41	42
15.	COD	mg/L	124	118	116	142	69	148	146	139	129	159	98	123	129
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.1	0.1	0.1	0.3	0.1	0.2	0.1	0.2	0.2	0.1	0.2
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.02	0.02	0.01	0.02	0.01	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.03
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.35	0.2	0.2	0.3	0.2	0.3	0.4	0.2	0.2	0.2	0.2	0.3	0.2
22.	Total Chromium	mg/L	0.56	0.4	0.4	0.4	0.3	0.5	0.6	0.4	0.3	0.4	0.5	0.4	0.4
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.3	0.1	0.1	0.2	0.2
26.	Iron	mg/L	0.4	0.3	0.1	0.2	0.1	0.2	0.4	0.3	0.1	0.2	0.3	0.3	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	5.2	5.4	5.4	4.9	2.1	6.4	6.8	3.7	4.5	6.2	3.5	2.8	3.2

Note: 1. Temperature and pH was measured onsite.
2. BDL – Below Detection Limit, DL – Detection Limit

4.46. Wastewater Monitoring Data (M/s. Rallis INDIA LTD.)

April 2024 to June 2024														
Wastewater Samples		Month	April 2024			May 2024					June 2024			
		Date of Sampling	08/04/24	24/04/24	29/04/24	01/05/24	16/05/24	21/05/24	24/05/24	29/05/24	07/06/24	13/06/24	20/06/24	24/06/24
S. No.	Test Parameters	Unit	Result											
01.	Temperature	°C	34	34	34	37	37	37	37	37	37	36	37	36
02.	pH at 25°C	pH unit	7.54	7.46	7.36	7.38	7.45	7.48	7.34	6.58	7.24	7.45	7.46	7.35
03.	Total Suspended Solids (TSS)	mg/L	16	20	22	20	17	20	18	21	22	18	22	17
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	286	72	193	163	137	132	109	128	236	142	125	125
06.	Oil & grease	mg/L	5.3	2.3	2.6	2.0	2.2	2.0	2.0	1.8	3.1	2.5	2.5	2.0
07.	Fluoride	mg/L	0.5	0.5	0.6	0.4	0.5	0.5	0.4	0.5	0.7	0.5	0.5	0.6
08.	Sulphide	mg/L	0.4	0.3	0.3	0.3	0.2	0.4	0.3	0.3	0.5	0.3	0.3	0.4
09.	Ammonical Nitrogen	mg/L	19.2	6.5	7	8.3	2.6	3.1	5.2	2.0	6.5	2.3	2.3	3.5
10.	Total Kjeldahl Nitrogen	mg/L	24.3	8.2	12	13.4	5.8	6.5	7.8	4.8	10.4	5.4	5.4	4.8
11.	Free Ammonia	mg/L	0.4	0.20	0.22	0.25	0.18	0.23	0.25	0.18	0.28	0.22	0.21	0.15
12.	Copper	mg/L	0.02	0.01	0.03	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
13.	Zinc	mg/L	0.25	0.15	0.30	0.21	0.14	0.18	0.2	0.21	0.10	0.15	0.15	0.14
14.	BOD 3 days at 27°C	mg/L	20	26	29	26	23	26	24	28	29	24	30	23
15.	COD	mg/L	62	78	86	79	68	79	71	83	88	72	9	68
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	0.01	BDL (DL-0.01)	BDL (DL-0.01)	0.02	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	0.03	0.02	0.01	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.2	0.02	0.02	0.3	0.01	0.02	0.01	0.01	0.4	0.2	0.2	0.01
20.	Cadmium	mg/L	0.32	BDL (DL-0.05)	BDL (DL-0.05)	0.21	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	0.25	0.25	0.20	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.25	0.3	0.15	0.34	0.18	0.2	0.2	0.10	0.32	0.38	0.34	0.2
22.	Total Chromium	mg/L	0.45	0.5	0.3	0.40	0.25	0.3	0.3	0.32	0.45	0.45	0.45	0.3
23.	Nickel	mg/L	0.22	BDL (DL-0.3)	BDL (DL-0.3)	0.22	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	0.20	0.20	0.20	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.2
26.	Iron	mg/L	0.4	0.3	0.4	0.3	0.3	0.1	0.1	0.3	0.4	0.3	0.2	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	0.6	BDL (DL-0.21)	BDL (DL-0.21)	0.4	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	0.3	0.2	0.2	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	6.2	2.4	3.2	5.1	4.3	2.9	2.1	3.5	4.2	6.4	3.2	3.4

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.47. Wastewater Monitoring Data (M/s. Rallis INDIA LTD.)

July 2024 to September 2024

Wastewater Samples		Month	July 2024			August 2024				September 2024			
		Date of Sampling	08/07/24	13/07/24	26/07/24	02/08/24	09/08/24	16/08/24	23/08/24	04/09/24	19/09/24	26/09/24	28/09/24
S. No.	Test Parameters	Unit	Result										
01.	Temperature	°C	36	35	30	31	30	30	30	33	30	30	32
02.	pH at 25°C	pH unit	7.38	7.52	7.42	7.47	7.34	7.72	7.41	7.34	7.51	7.45	7.52
03.	Total Suspended Solids (TSS)	mg/L	28	20	24	15	19	20	24	26	30	34	29
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	183	112	262	139	136	139	162	234	172	245	241
06.	Oil & grease	mg/L	3.1	2.8	4.6	2.2	2.2	3.0	2.5	6.0	2.0	4.6	3.6
07.	Fluoride	mg/L	0.6	0.4	0.6	0.5	0.5	0.5	0.5	0.7	0.6	0.5	0.5
08.	Sulphide	mg/L	0.4	0.3	0.4	0.3	0.4	0.3	0.3	0.5	0.4	0.4	0.4
09.	Ammonical Nitrogen	mg/L	2.6	4.5	2.6	4.2	2.9	4.9	4.2	3.6	8.4	3.8	4.6
10.	Total Kjeldahl Nitrogen	mg/L	4.1	6.4	4.3	6.1	4.6	5.6	6.0	5.7	10.2	6.4	6.8
11.	Free Ammonia	mg/L	0.25	0.24	0.31	0.20	0.21	0.20	0.2	0.25	0.25	0.22	0.20
12.	Copper	mg/L	0.02	0.03	0.03	0.02	0.01	0.01	0.04	0.04	0.02	0.03	0.04
13.	Zinc	mg/L	0.1	0.17	0.15	0.14	0.12	0.10	0.11	0.15	0.10	0.15	0.15
14.	BOD 3 days at 27°C	mg/L	28	26	32	20	25	26	32	35	40	45	39
15.	COD	mg/L	110	79	95	59	74	79	96	104	119	134	116
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.2
17.	Arsenic	mg/L	0.01	BDL (DL-0.01)	0.04	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL- 0.01)	BDL (DL-0.01)	BDL (DL- 0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.25	0.03	0.3	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.01
20.	Cadmium	mg/L	0.19	BDL (DL-0.05)	0.25	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.27	0.4	0.35	0.2	0.3	0.2	0.2	0.1	0.2	0.3	0.3
22.	Total Chromium	mg/L	0.42	0.6	0.49	0.4	0.4	0.4	0.4	0.2	0.4	0.4	0.5
23.	Nickel	mg/L	0.12	BDL (DL-0.3)	0.22	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.3	0.2	0.3	0.2
26.	Iron	mg/L	0.2	0.2	0.4	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
27.	Vanadium	mg/L	BDL (DL- 0.1)	BDL (DL-0.1)	BDL (DL- 0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	0.1	BDL (DL-0.21)	0.3	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.7	6.7	5.6	5.9	2.1	5.4	3.5	5.3	2.8	3.4	3.5

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

4.48. Wastewater Monitoring Data (M/s. Dorf ketal chemicals (INDIA) Pvt. Ltd.)

April 2024 to June 2024											
Wastewater Samples		Month	April 2024		May 2024				June 2024		
		Date of Sampling	08/04/24	29/04/24	01/05/24	09/05/24	16/05/24	24/05/24	07/06/24	11/06/24	24/06/24
S. No.	Test Parameters	Unit	Result								
01.	Temperature	°C	33	35	37	37	37	37	37	37	36
02.	pH at 25°C	pH unit	7.35	7.46	7.42	7.63	7.68	6.52	7.28	7.45	7.52
03.	Total Suspended Solids (TSS)	mg/L	29	18	18	18	21	21	17	16	18
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	46	72	112	125	108	158	86	86	93
06.	Oil & grease	mg/L	3.5	3.2	2.4	2.5	2.8	2.8	1.6	2.0	2.2
07.	Fluoride	mg/L	0.35	0.5	0.3	0.6	0.6	0.6	0.5	0.5	0.5
08.	Sulphide	mg/L	0.23	0.4	0.4	0.4	0.3	0.3	0.2	0.3	0.3
09.	Ammonical Nitrogen	mg/L	18.2	6	4.9	4.2	3.5	3.2	5.2	2.0	2.0
10.	Total Kjeldahl Nitrogen	mg/L	21.2	10	9.2	6.5	6.2	6.5	8.6	5.1	4.3
11.	Free Ammonia	mg/L	0.35	0.25	0.30	0.23	0.22	0.21	0.21	0.20	0.28
12.	Copper	mg/L	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
13.	Zinc	mg/L	0.15	0.12	0.15	0.15	0.15	0.15	0.11	0.10	0.11
14.	BOD 3 days at 27°C	mg/L	39	24	24	24	28	28	23	22	24
15.	COD	mg/L	117	72	73	71	83	83	69	65	71
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.01	0.02
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.3	0.2	0.3	0.1	0.3	0.3	0.2	0.1	0.1
22.	Total Chromium	mg/L	0.5	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.3
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.1	0.2
26.	Iron	mg/L	0.3	0.3	0.1	0.1	0.3	0.3	0.1	0.1	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.6	2.3	2.0	2.0	3.8	4.3	3.7	2.8	2.7

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.49. Wastewater Monitoring Data (M/s. Dorf ketal chemicals (INDIA) Pvt. Ltd.)

July 2024 to September 2024										
Wastewater Samples		Month	July 2024			August 2024	September 2024			
		Date of Sampling	04/07/24	08/07/24	13/07/24	16/08/24	07/09/24	26/09/24	28/09/24	30/09/24
S. No.	Test Parameters	Unit								
01.	Temperature	0°C	35	37	35	30	34	28	33	32
02.	pH at 25°C	pH unit	7.25	7.52	7.32	7.35	7.31	7.42	7.31	7.32
03.	Total Suspended Solids (TSS)	mg/L	26	29	27	26	22	22	26	20
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	126	127	93	162	192	142	182	152
06.	Oil & grease	mg/L	2.5	2.0	3.5	3.6	2.8	2.0	4.2	2.4
07.	Fluoride	mg/L	0.4	0.4	0.6	0.6	0.5	0.4	0.4	0.5
08.	Sulphide	mg/L	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.4
09.	Ammonical Nitrogen	mg/L	3.2	2.0	2.2	5.2	3.4	2.6	2.8	4.0
10.	Total Kjeldahl Nitrogen	mg/L	5.4	3.4	3.6	7.9	5.1	4.2	4.5	6.8
11.	Free Ammonia	mg/L	0.21	0.21	0.22	0.18	0.21	0.20	0.12	0.25
12.	Copper	mg/L	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.01
13.	Zinc	mg/L	0.16	0.14	0.20	0.12	0.15	0.10	0.1	0.12
14.	BOD 3 days at 27°C	mg/L	34	39	36	34	30	29	35	26
15.	COD	mg/L	103	116	109	103	89	86	104	79
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.01	0.04	0.03	0.03	0.04	0.02	0.02	0.02
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.2	0.3	0.3	0.2	0.3	0.1	0.1
22.	Total Chromium	mg/L	0.4	0.3	0.5	0.5	0.4	0.5	0.3	0.4
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.4	0.2	0.2	0.3	0.2	0.2	0.1	0.1
26.	Iron	mg/L	0.2	0.4	0.1	0.2	0.1	0.1	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	3.8	4.2	4.6	4.2	2.8	2.0	2.0	2.5

Note: 1. Temperature and pH was measured onsite.
2. BDL – Below Detection Limit, DL – Detection Limit

4.50. Wastewater Monitoring Data (M/s. GIDC Drainage Pumping Station C-1)

April 2024 to June 2024											
Wastewater Samples		Month	April 2024			May 2024			June 2024		
		Date of Sampling	05/04/24	11/04/24	19/04/24	04/05/24	17/05/24	28/05/24	05/06/24	12/06/24	27/06/24
S. No.	Test Parameters	Unit	Result								
01.	Temperature	°C	34	32	33	36	37	36	36	35	35
02.	pH at 25°C	pH unit	7.36	7.13	8.46	7.95	7.34	7.89	7.81	7.79	7.86
03.	Total Suspended Solids (TSS)	mg/L	60	70	60	63	89	91	102	60	74
04.	Color	mg/L	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH
05.	Sulphate	mg/L	243	275	286	435	485	685	652	685	589
06.	Oil & grease	mg/L	8.6	8.6	8.6	12.6	8.6	10.5	10.8	14.3	15.6
07.	Fluoride	mg/L	0.5	0.7	0.7	0.9	1.4	1.2	1.3	1.2	1.8
08.	Sulphide	mg/L	0.4	0.9	0.5	0.8	1.0	1.0	1.0	0.8	1.5
09.	Ammonical Nitrogen	mg/L	36.0	202	196	26.2	38.6	55.2	46.2	24.3	13.5
10.	Total Kjeldahl Nitrogen	mg/L	42.3	210	205	32.4	44.8	61.8	52.1	28.5	16.2
11.	Free Ammonia	mg/L	0.40	0.65	0.65	0.62	0.68	0.62	0.78	0.52	0.75
12.	Copper	mg/L	0.25	0.25	0.42	0.43	0.37	0.48	0.53	0.38	0.49
13.	Zinc	mg/L	0.47	0.62	0.62	0.45	0.52	0.46	0.52	0.42	0.40
14.	BOD 3 days at 27°C	mg/L	80	54	82	84	89	121	136	80	98
15.	COD	mg/L	241	278	246	253	266	362	408	241	295
16.	Total Residual Chlorine	mg/L	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.05	0.05	0.05	0.08	0.06	0.12	0.05	0.07	0.1
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.5	0.4	0.5	0.6	0.58	0.5	0.5	0.5	0.5
22.	Total Chromium	mg/L	0.6	0.7	0.7	0.8	0.66	0.7	0.3	0.7	0.8
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.4	0.5	0.5	0.6	0.6	0.3	0.4	0.4	0.4
26.	Iron	mg/L	0.3	0.4	0.4	0.5	0.4	0.4	0.2	0.3	0.5
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	18.4	32.2	35.2	23.5	16.7	28.6	35.6	20.4	29.2

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.51. Wastewater Monitoring Data (M/s. GIDC Drainage Pumping Station C-1)

July 2024 to September 2024														
Wastewater Samples		Month	July 2024			August 2024				September 2024				
		Date of Sampling	09/07/24	17/07/24	27/07/24	03/08/24	10/08/24	22/08/24	31/08/24	14/09/24	20/09/24	25/09/24	27/09/24	30/09/24
S. No.	Test Parameters	Unit	Result											
01.	Temperature	0°C	36	32	32	32	31	35	35	32	30	32	32	32
02.	pH at 25°C	pH unit	7.45	7.62	7.69	7.58	7.62	7.48	7.28	6.95	7.89	7.62	7.62	6.24
03.	Total Suspended Solids (TSS)	mg/L	67	60	72	47	59	58	82	58	46	107	97	86
04.	Color	mg/L	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH	DARK REDISH
05.	Sulphate	mg/L	489	458	785	562	574	231	581	428	462	524	328	576
06.	Oil & grease	mg/L	13.6	12.4	13.6	5.6	8.2	10.1	10.4	12.0	6.8	5.8	11.6	7.6
07.	Fluoride	mg/L	1.5	2.1	1.8	1.8	1.1	1.5	1.5	1.4	1.2	1.2	1.8	11.5
08.	Sulphide	mg/L	1.1	1.4	1.2	1.2	1.0	1.0	1.0	1.0	1.0	0.9	1.4	1.2
09.	Ammonical Nitrogen	mg/L	23.6	15.8	16.8	8.2	15.4	15.3	15.4	16.8	8.4	12.6	23.9	13.6
10.	Total Kjeldahl Nitrogen	mg/L	26.8	18.4	20.4	10.6	19.2	18.5	18.6	20.5	12.8	15.4	26.8	15.4
11.	Free Ammonia	mg/L	0.52	0.65	0.62	0.52	0.43	0.62	0.52	0.89	0.68	0.6	0.98	0.76
12.	Copper	mg/L	0.48	0.52	0.42	0.52	0.34	0.32	0.38	0.75	0.55	0.5	0.65	0.70
13.	Zinc	mg/L	0.36	0.35	0.55	0.32	0.42	0.20	0.32	0.58	0.43	0.4	0.54	0.62
14.	BOD 3 days at 27°C	mg/L	89	80	96	63	78	77	109	77	61	142	130	114
15.	COD	mg/L	267	241	287	189	234	231	328	232	183	426	389	342
16.	Total Residual Chlorine	mg/L	0.3	0.3	0.3	0.4	0.3	0.2	0.2	0.5	0.2	0.4	0.7	0.4
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.04	0.5	0.08	0.4	0.07	0.06	0.05	0.7	0.5	0.8	0.3	0.6
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.8	0.8	0.6	0.6	0.6	1.0	0.8	0.5	0.5	0.6	1.2	0.6
22.	Total Chromium	mg/L	1.3	1.3	1.2	1.0	1.2	2.1	1.5	1.2	0.8	1.2	1.8	1.0
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.4	0.6	0.4	0.7	0.5	0.6	0.6	0.5	0.5	0.4	0.8	0.4
26.	Iron	mg/L	0.3	0.5	0.3	0.6	0.3	0.3	0.4	0.8	0.4	0.7	0.6	0.6
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	24.3	35.4	23.5	15.2	16.8	13.7	12.4	21.8	6.5	10.2	18.6	8.9

Note: 1. Temperature and pH was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.52. Wastewater Monitoring Data (M/s. Yashashvi Rasayan Pvt. Ltd.)

April 2024 to June 2024

Wastewater Samples		Month	April 2024			May 2024		June 2024			
		Date of Sampling	10/04/24	20/04/24	26/04/24	11/05/24	31/05/24	07/06/24	13/06/24	26/06/24	29/06/24
S. No.	Test Parameters	Unit	Result								
01.	Temperature	°C	32	33	32	36	36	37	37	38	28
02.	pH at 25°C	pH unit	7.56	7.42	7.42	7.32	7.32	7.45	7.52	7.52	7.32
03.	Total Suspended Solids (TSS)	mg/L	24	26	32	28	27	34	29	27	32
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	142	176	163	256	98	289	196	216	292
06.	Oil & grease	mg/L	5.2	5.3	5.2	3.2	3.4	4.5	4.2	4.2	3.5
07.	Fluoride	mg/L	0.5	0.5	0.4	0.6	0.6	0.7	0.5	0.7	0.6
08.	Sulphide	mg/L	0.3	0.3	0.3	0.5	0.4	0.4	0.4	0.5	0.4
09.	Ammonical Nitrogen	mg/L	11.5	29	9.6	5.4	2.7	4.8	3.2	3.2	4.2
10.	Total Kjeldahl Nitrogen	mg/L	13.4	35	14.1	9.2	5.4	7.6	6.5	5.2	6.8
11.	Free Ammonia	mg/L	0.20	0.28	0.20	0.25	0.18	0.32	0.21	0.22	0.24
12.	Copper	mg/L	0.04	0.04	0.04	0.021	0.02	0.03	0.02	0.023	0.01
13.	Zinc	mg/L	0.15	0.15	0.25	0.18	0.21	0.20	0.1	0.10	0.11
14.	BOD 3 days at 27°C	mg/L	32	37	42	37	35	45	39	36	43
15.	COD	mg/L	96	112	128	110	106	134	116	109	128
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)
19.	Lead	mg/L	0.4	0.2	0.2	0.3	0.15	0.25	0.2	0.1	0.2
20.	Cadmium	mg/L	0.3	0.15	0.2	0.2	0.23	0.15	0.3	0.3	0.1
21.	Hexavalent Chromium	mg/L	0.2	0.32	0.3	0.4	0.25	0.3	0.4	0.2	0.2
22.	Total Chromium	mg/L	0.5	0.52	0.4	0.5	0.44	0.4	0.8	0.5	0.6
23.	Nickel	mg/L	0.12	0.14	0.12	0.10	0.10	0.13	0.12	0.13	0.10
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.4	0.4	0.3	0.3	0.5	0.3	0.4	0.3	0.2
26.	Iron	mg/L	0.5	0.5	0.4	0.2	0.4	0.4	0.2	0.2	0.1
27.	Vanadium	mg/L	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
28.	Manganese	mg/L	BDL (DL- 0.21)	BDL (DL- 0.21)	BDL (DL- 0.21)	BDL (DL- 0.21)	BDL (DL- 0.21)	BDL (DL- 0.21)	BDL (DL- 0.21)	BDL (DL- 0.21)	BDL (DL- 0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	8.6	8.6	3.4	5.8	4.6	6.8	5.1	6.2	4.8

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.53. Wastewater Monitoring Data (M/s. Yashashvi Rasayan Pvt. Ltd.)

July 2024 to August 2024

Wastewater Samples		Month	July 2024					August 2024		September 2024			
		Date of Sampling	03/07/24	11/07/24	19/07/24	26/07/24	27/07/24	05/08/24	29/08/24	06/09/24	13/09/24	21/09/24	24/09/24
S. No.	Test Parameters	Unit	Result										
01.	Temperature	°C	36	34	32	31	26	33	33	35	30	33	29
02.	pH at 25°C	pH unit	7.52	7.20	7.46	7.45	7.35	7.41	7.34	7.52	7.35	7.52	7.38
03.	Total Suspended Solids (TSS)	mg/L	31	27	24	28	27	10	31	27	29	27	60
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	236	135	189	236	132	152	242	158	184	148	342
06.	Oil & grease	mg/L	3.2	3.8	3.0	4.1	3.1	2.6	2.6	3.6	4.2	2.8	5.1
07.	Fluoride	mg/L	0.6	0.5	0.5	0.5	0.6	0.4	0.6	0.5	0.5	0.5	0.5
08.	Sulphide	mg/L	0.4	0.3	0.4	0.3	0.5	0.3	0.4	0.4	0.3	0.4	0.4
09.	Ammonical Nitrogen	mg/L	5.2	2.5	2.2	4.8	3.9	5.8	3.8	5.1	4.2	6.2	16.8
10.	Total Kjeldahl Nitrogen	mg/L	7.5	4.1	4.3	6.5	4.8	7.6	6.4	7.4	5.4	9.4	20.4
11.	Free Ammonia	mg/L	0.28	0.20	0.20	0.45	0.20	0.25	0.27	0.22	0.25	0.23	0.24
12.	Copper	mg/L	0.04	0.03	0.02	0.02	0.01	0.03	0.03	0.04	0.02	0.02	0.02
13.	Zinc	mg/L	0.12	0.1	0.10	0.22	0.12	0.15	0.15	0.11	0.10	0.12	0.19
14.	BOD 3 days at 27°C	mg/L	41	35	32	37	36	14	41	35	39	36	80
15.	COD	mg/L	124	106	96	110	107	41	124	106	116	107	241
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.3	0.3
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.2	0.1	0.2	0.3	0.2	0.2	0.28	0.22	0.31	0.22	0.30
20.	Cadmium	mg/L	0.4	0.2	0.1	0.11	0.1	0.1	0.12	0.10	0.16	0.15	0.2
21.	Hexavalent Chromium	mg/L	0.3	0.3	0.2	0.4	0.2	0.1	0.32	0.42	0.28	0.35	0.4
22.	Total Chromium	mg/L	1.0	0.6	0.5	0.6	0.4	0.4	0.58	0.62	0.45	0.62	0.6
23.	Nickel	mg/L	0.1	0.10	0.11	0.10	0.10	0.10	0.15	0.10	0.10	0.10	0.10
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.3	0.2	0.3	0.3	0.3	0.12	0.15	0.13	0.12	0.1
26.	Iron	mg/L	0.3	0.2	0.1	0.4	0.2	0.1	0.10	0.10	0.10	0.10	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	7.1	4.2	5.3	5.8	4.2	4.5	4.3	4.0	3.1	4.0	7.5

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

4.54. Wastewater Monitoring Data (M/s. Accent Microcell Pvt.Ltd.)

April 2024 to June 2024

Wastewater Samples		Month	April 2024				May 2024					June 2024					
		Date of Sampling	05/04/24	11/04/24	22/04/24	27/04/24	30/04/24	04/05/24	10/05/24	17/05/24	23/05/24	31/05/24	08/06/24	10/06/24	14/06/24	19/06/24	25/06/24
S. No.	Test Parameters	Unit	Result														
01.	Temperature	°C	32	33	33	34	33	37	37	37	36	32	36	36	26	35	38
02.	pH at 250C	pH unit	7.42	7.23	7.86	7.45	7.69	7.49	7.56	7.42	7.52	7.32	7.42	7.62	7.46	7.45	7.32
03.	Total Suspended Solids (TSS)	mg/L	27	37	34	40	33	43	52	40	25	35	18	46	60	48	43
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	142	241	168	286	158	285	271	237	283	248	321	312	241	186	252
06.	Oil & grease	mg/L	5.2	6.3	3.6	7.5	3.6	3.5	3.0	3.0	3.0	3.0	3.5	3.5	3.5	3.5	3.0
07.	Fluoride	mg/L	0.5	0.4	0.4	0.4	0.6	0.7	0.5	0.7	0.6	0.6	0.5	0.7	0.7	0.7	0.6
08.	Sulphide	mg/L	0.4	0.3	0.3	0.3	0.4	0.5	0.4	0.5	0.3	0.4	0.3	0.5	0.5	0.4	0.5
09.	Ammonical Nitrogen	mg/L	29.2	47.3	16	14	15	13.8	4.5	5.1	5.8	3.4	2.3	6.2	2.5	4.2	6.9
10.	Total Kjeldahl Nitrogen	mg/L	36.3	54.3	21	22	18	21.5	9.8	9.7	8.9	5.8	4.8	8.6	4.6	6.5	8.4
11.	Free Ammonia	mg/L	0.25	0.22	0.20	0.28	0.28	0.28	0.28	0.26	0.25	0.24	0.22	0.20	0.20	0.27	0.20
12.	Copper	mg/L	0.03	0.035	0.04	0.05	0.03	0.01	0.03	0.04	0.02	0.03	0.02	0.02	0.01	0.02	0.01
13.	Zinc	mg/L	0.21	0.28	0.25	0.25	0.18	0.28	0.15	0.23	0.15	0.20	0.24	0.21	0.12	0.14	0.21
14.	BOD 3 days at 270C	mg/L	36	49	45	53	44	57	33	53	33	46	24	62	80	62	58
15.	COD	mg/L	109	148	136	158	132	172	98	158	98	138	73	185	239	192	173
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.02	0.15	0.15	0.2	0.2	0.02	0.2	0.2	0.2	0.20	0.1	0.12	0.1	0.21	0.02
20.	Cadmium	mg/L	BDL (DL-0.05)	0.04	0.05	0.04	0.02	BDL (DL-0.05)	0.04	0.01	0.03	0.04	0.03	0.03	0.02	0.05	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.5	0.3	0.3	0.3	0.3	0.2	0.4	0.2	0.2	0.1	0.2	0.3	0.3	0.2
22.	Total Chromium	mg/L	0.4	0.7	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.3	0.3	0.5	0.5	0.4
23.	Nickel	mg/L	BDL (DL-0.3)	0.2	0.2	0.2	0.2	BDL (DL-0.3)	0.1	0.3	0.1	0.1	0.1	0.1	0.2	0.1	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.3	0.2	0.2	0.2	0.3	0.1	0.4	0.3	0.2	0.1	0.2	0.2	0.2	0.1
26.	Iron	mg/L	0.1	0.5	0.5	0.4	0.3	0.2	0.3	0.3	0.4	0.54	0.42	0.4	0.3	0.54	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	10.3	12.4	6.9	4.3	4.5	8.4	5.2	5.8	4.2	6.5	3.4	5.4	6.4	6.2	5.4

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

4.55. Wastewater Monitoring Data (M/s. Accent Microcell Pvt.Ltd.)

July 2024 to August 2024

Wastewater Samples	Month	July 2024						August 2024						September 2024				
	Date of Sampling	02/07/24	05/07/24	12/07/24	19/07/24	20/07/24	23/07/24	03/08/24	07/08/24	14/08/24	22/08/24	30/08/24	01/09/24	02/09/24	11/09/24	18/09/24	23/09/24	
S. No.	Test Parameters	Unit	Result															
01.	Temperature	°C	30	34	36	32	32	34	30	29	32	34	35	29	34	30	30	33
02.	pH at 25°C	pH unit	6.92	7.31	7.48	7.35	7.48	7.42	7.54	6.45	7.52	7.32	7.46	8.42	7.34	7.38	7.35	7.41
03.	Total Suspended Solids (TSS)	mg/L	45	37	46	33	60	59	30	61	38	32	30	44	36	36	140	15
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	262	268	348	246	426	286	221	385	328	245	218	218	315	262	452	143
06.	Oil & grease	mg/L	3.0	4.6	4.5	4.5	5.2	4.6	5.2	4.6	5.7	3.6	3.1	3.6	7.8	4.5	115	4.5
07.	Fluoride	mg/L	0.5	0.6	0.8	0.6	0.6	0.6	0.7	0.7	0.5	0.6	0.5	0.6	0.7	0.6	0.8	0.5
08.	Sulphide	mg/L	0.4	0.4	0.6	0.3	0.5	0.4	0.5	0.6	0.3	0.3	0.3	0.4	0.6	0.4	0.7	0.4
09.	Ammonical Nitrogen	mg/L	4.8	6.5	3.6	4.9	7.6	10.2	6.4	6.8	5.2	7.2	8.4	8.5	4.3	6.9	11.2	4.8
10.	Total Kjeldahl Nitrogen	mg/L	6.4	8.2	5.4	7.6	10.5	13.8	7.9	8.7	7.6	9.1	10.4	11.2	6.1	8.4	15.4	6.2
11.	Free Ammonia	mg/L	0.22	0.25	0.25	0.25	0.25	0.26	0.22	0.31	0.20	0.20	0.20	0.26	0.26	0.25	0.27	0.25
12.	Copper	mg/L	0.02	0.04	0.03	0.03	0.03	0.02	0.03	0.01	0.03	0.02	0.04	0.02	0.04	0.02	0.03	0.02
13.	Zinc	mg/L	0.18	0.23	0.21	0.18	0.25	0.15	0.21	0.15	0.12	0.1	0.12	0.18	0.20	0.25	0.15	0.12
14.	BOD 3 days at 27°C	mg/L	59	49	34	44	79	79	39	82	38	43	40	59	48	48	187	19
15.	COD	mg/L	178	148	103	132	238	237	118	245	113	129	119	176	143	145	560	58
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.2	0.1	0.3	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.3	0.2	0.3	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.2	0.16	0.15	0.25	0.15	0.2	0.10	0.1	0.10	0.2	0.1	0.2	0.22	0.12	0.3	0.1
20.	Cadmium	mg/L	0.03	0.04	0.04	0.04	0.05	0.03	0.02	0.04	0.05	0.08	0.02	0.04	0.05	0.03	0.05	0.03
21.	Hexavalent Chromium	mg/L	0.4	0.3	0.3	0.2	0.3	0.4	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.3
22.	Total Chromium	mg/L	0.6	0.5	0.5	0.5	0.6	0.5	0.4	0.5	0.5	0.4	0.4	0.5	0.3	0.5	0.6	0.5
23.	Nickel	mg/L	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.3	0.1	0.2	0.1	0.2	0.2	0.2
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.3	0.2	0.1	0.2	0.2
26.	Iron	mg/L	0.2	0.3	0.3	0.4	0.4	0.3	0.1	0.2	0.1	0.2	0.2	0.1	0.3	0.3	0.3	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	5.4	4.8	4.6	7.6	6.8	5.8	8.6	4.3	3.4	3.2	3.2	5.8	5.1	4.1	6.8	5.2

Note: 1. Temperature and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.56. Wastewater Monitoring Data (Kumar Organic Products Ltd.)

April 2024 to June 2024						
Wastewater Samples		Month	April 2024			May 2024
		Date of Sampling	03/04/24	11/04/24	25/04/24	04/05/24
S. No.	Test Parameters	Unit				
01.	Temperature	°C	32	34	35	38
02.	pH at 25°C	pH unit	7.42	7.23	7.36	7.24
03.	Total Suspended Solids (TSS)	mg/L	23	29	18	22
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	42	89	85	108
06.	Oil & grease	mg/L	2.8	5.2	2.5	2.8
07.	Fluoride	mg/L	0.42	0.6	0.5	0.5
08.	Sulphide	mg/L	0.15	0.4	0.3	0.3
09.	Ammonical Nitrogen	mg/L	20.1	39.2	18.2	22.4
10.	Total Kjeldahl Nitrogen	mg/L	23.8	46.2	23.4	28.6
11.	Free Ammonia	mg/L	0.25	0.25	0.20	0.22
12.	Copper	mg/L	0.02	0.020	0.03	0.01
13.	Zinc	mg/L	0.10	0.2	0.10	0.1
14.	BOD 3 days at 27°C	mg/L	30	38	24	29
15.	COD	mg/L	91	116	72	86
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.01	0.02	0.02	0.01
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.10	0.3	0.3	0.3
22.	Total Chromium	mg/L	0.15	0.5	0.4	0.4
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.3	0.3	0.2	0.2
26.	Iron	mg/L	0.5	0.5	0.4	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	4.6	7.6	8.6	5.2

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

4.57. Wastewater Monitoring Data (Kumar Organic Products Ltd.)

July 2024 to September 2024										
Wastewater Samples		Month	July 2024		August 2024		September 2024			
		Date of Sampling	23/07/24	27/07/24	07/08/24	24/08/24	05/09/24	14/09/24	25/09/24	27/09/24
S. No.	Test Parameters	Unit	Result							
01.	Temperature	°C	36	35	30	30	29	33	31	30
02.	pH at 25°C	pH unit	7.44	7.29	7.85	7.34	7.46	7.32	7.46	7.31
03.	Total Suspended Solids (TSS)	mg/L	31	34	32	31	12	22	30	28
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	163	135	246	238	142	278	142	152
06.	Oil & grease	mg/L	3.5	3.2	3.0	3.0	2.6	4.8	2.5	2.6
07.	Fluoride	mg/L	0.5	0.5	0.7	0.6	0.5	0.6	0.5	0.5
08.	Sulphide	mg/L	0.3	0.2	0.5	0.4	0.4	0.4	0.4	0.4
09.	Ammonical Nitrogen	mg/L	4.5	3.8	3.8	8.4	2.6	3.4	5.4	5.2
10.	Total Kjeldahl Nitrogen	mg/L	6.7	5.6	5.2	11.8	4.5	7.2	7.5	6.5
11.	Free Ammonia	mg/L	0.2	0.1	0.21	0.2	0.1	0.3	0.2	0.2
12.	Copper	mg/L	0.04	0.04	0.03	0.03	0.02	0.05	0.02	0.02
13.	Zinc	mg/L	0.15	0.15	0.10	0.1	0.12	0.2	0.1	0.1
14.	BOD 3 days at 27°C	mg/L	41	46	43	41	16	29	39	38
15.	COD	mg/L	124	137	128	124	48	88	118	113
16.	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.03	0.05	0.02	0.03	0.01	0.04	0.03	0.03
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.1	0.3	0.2	0.2	0.3	0.2	0.2
22.	Total Chromium	mg/L	0.3	0.4	0.5	0.4	0.3	0.5	0.4	0.4
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.3	0.3	0.1	0.1	0.3	0.1	0.2
26.	Iron	mg/L	0.4	0.2	0.2	0.2	0.1	0.2	0.2	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	9.5	6.8	6.4	5.7	3.4	2.8	4.2	3.8

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.
2. BDL – Below Detection Limit, DL – Detection Limit.

4.58. Wastewater Monitoring Data (Roha Dye Chem Pvt. Ltd.)

April 2024 to June 2024											
Wastewater Samples		Month	April 2024	May 2024				June 2024			
		Date of Sampling	10/04/24	01/05/24	11/05/24	27/05/24	31/05/24	07/06/24	13/06/24	14/06/24	28/06/24
S. No.	Test Parameters	Unit	Result								
01.	Temperature	°C	34	36	35	36	37	37	35	36	34
02.	pH at 250C	pH unit	7.65	7.89	7.95	7.42	7.41	7.95	7.62	7.42	7.42
03.	Total Suspended Solids (TSS)	mg/L	61	62	61	37	43	35	57	54	55
04.	Color	mg/L	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN
05.	Sulphate	mg/L	752	546	856	689	489	496	689	685	542
06.	Oil & grease	mg/L	8.5	12.6	9.8	9.5	12.4	8.4	15.2	10.3	8.2
07.	Fluoride	mg/L	0.7	0.8	0.8	0.8	1.0	0.7	0.7	0.7	0.6
08.	Sulphide	mg/L	0.4	0.6	0.6	0.6	0.8	0.4	0.6	0.5	0.3
09.	Ammonical Nitrogen	mg/L	46.1	48.6	47.2	46.3	43.5	48.8	38.6	32.8	21.6
10.	Total Kjeldahl Nitrogen	mg/L	56.2	58.4	55.7	52.5	52.4	54.6	43.5	37.5	24.5
11.	Free Ammonia	mg/L	0.7	0.8	0.75	0.45	0.82	0.36	0.46	0.62	0.32
12.	Copper	mg/L	0.05	0.04	0.06	0.04	0.06	0.05	0.03	0.05	0.03
13.	Zinc	mg/L	0.4	0.3	0.43	0.32	0.42	0.25	0.21	0.28	0.25
14.	BOD 3 days at 270C	mg/L	81	82	81	49	58	47	76	72	73
15.	COD	mg/L	243	246	243	147	173	140	229	216	218
16.	Total Residual Chlorine	mg/L	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.04	0.05	0.05	0.03	0.12	0.02	0.03	0.04	0.04
20.	Cadmium	mg/L	0.03	0.02	0.02	0.02	0.05	0.04	0.01	0.03	0.01
21.	Hexavalent Chromium	mg/L	0.4	0.6	0.3	0.3	0.3	0.3	0.4	0.4	0.2
22.	Total Chromium	mg/L	0.5	0.8	0.5	0.4	0.6	0.5	0.6	0.58	0.8
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.4	0.3	0.4	0.3	0.4	0.2	0.3	0.4	0.2
26.	Iron	mg/L	0.6	0.4	0.3	0.4	0.5	0.3	0.2	0.2	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	18.6	15.8	16.9	15.3	15.4	13.4	12.4	12.4	18.4

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

4.59. Wastewater Monitoring Data (Roha Dye Chem Pvt. Ltd.)

July 2024 to September 2024

Wastewater Samples		Month	July 2024					August 2024					September 2024				
		Date of Sampling	13/07/24	26/07/24 12:10	26/07/24 15:40	27/07/24	31/07/24	02/08/24 11:15	02/08/24 23:30	07/08/24	16/08/24	18/08/24 (Night)	21/08/24	06/09/24	19/09/24	24/09/24	
S. No.	Test Parameters	Unit	Result														
01.	Temperature	°C	33	32	32	29	33	30	28	33	35	32	34	34	32	29	
02.	pH at 25°C	pH unit	7.42	7.42	7.85	7.64	7.62	7.97	5.46	7.21	7.82	0.14	7.52	7.52	7.42	7.38	
03.	Total Suspended Solids (TSS)	mg/L	57	58	50	62	46	32	58	56	54	5629	63	47	39	34	
04.	Color	mg/L	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	LIGHT GREEN	
05.	Sulphate	mg/L	546	576	569	423	532	625	789	689	439	3462	682	416	321	246	
06.	Oil & grease	mg/L	12.4	13.8	12.4	7.6	9.5	15.8	11.9	8.9	8.5	89.2	10.8	12.8	8.7	4.3	
07.	Fluoride	mg/L	0.6	0.6	0.6	0.5	0.8	0.8	0.8	0.7	0.7	3.2	0.8	0.9	0.6	0.5	
08.	Sulphide	mg/L	0.4	0.5	0.5	0.4	0.6	0.6	0.6	0.5	0.5	4.5	0.6	0.7	0.4	0.4	
09.	Ammonical Nitrogen	mg/L	32.5	19.4	22.5	26.4	34.2	180	4.5	35.4	32	1876	284	15.4	10.3	21.0	
10.	Total Kjeldahl Nitrogen	mg/L	36.4	23.4	25.6	31.2	40.5	218	6.8	43.1	36	2236	294	20.1	15.4	25.3	
11.	Free Ammonia	mg/L	0.42	0.45	0.36	0.34	0.38	0.65	0.42	0.35	0.52	1.2	0.42	0.70	0.42	0.32	
12.	Copper	mg/L	0.05	0.04	0.04	0.02	0.04	0.12	0.06	0.04	0.03	0.9	0.03	0.24	0.16	0.10	
13.	Zinc	mg/L	0.32	0.31	0.25	0.21	0.3	0.52	0.38	0.23	0.21	1.5	0.21	0.63	0.31	0.4	
14.	BOD 3 days at 27°C	mg/L	76	64	67	83	61	89	136	75	72	7505	84	63	52	45	
15.	COD	mg/L	227	192	200	248	183	464	1120	224	217	22514	346	188	156	134	
16.	Total Residual Chlorine	mg/L	0.3	0.3	0.3	0.3	0.2	0.5	0.5	0.4	0.2	0.8	0.4	0.2	0.2	0.2	
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.05	0.04	0.02	0.03	0.05	1.2	0.08	0.06	0.08	2.0	0.05	0.2	0.2	0.4	
20.	Cadmium	mg/L	0.02	0.02	0.01	0.02	0.03	1.8	0.05	0.03	0.04	1.5	0.04	0.4	0.4	0.3	
21.	Hexavalent Chromium	mg/L	0.5	0.3	0.3	0.2	0.2	1.5	0.6	0.5	0.4	1.0	0.5	0.7	0.3	0.6	
22.	Total Chromium	mg/L	0.8	0.6	0.6	0.5	0.6	2.8	1.2	0.7	0.6	2.3	0.7	1.0	0.7	0.9	
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.3	0.3	0.3	0.2	0.3	0.4	0.8	0.2	0.2	1.0	0.4	0.2	0.3	0.3	
26.	Iron	mg/L	0.2	0.2	0.2	0.1	0.2	0.1	0.5	0.2	0.1	1.6	0.2	0.3	0.2	0.2	
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	16.4	15.4	10.8	20.4	15.4	59.6	10.6	19.4	13.8	215	24.5	8.9	6.8	12.5	

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

4.60. Wastewater Monitoring Data (IPG Asia Pvt. Ltd.)

April 2024 to June 2024											
Wastewater Samples		Month	April 2024				May 2024				June 2024
		Date of Sampling	04/04/24	10/04/24	18/04/24	29/04/24	03/05/24	11/05/24	16/05/24	31/05/24	11/06/24
S. No.	Test Parameters	Unit	Result								
01.	Temperature	°C	35	32	32	35	37	35	35	37	37
02.	pH at 250C	pH unit	7.25	7.45	7.36	7.23	7.52	7.36	7.36	7.52	7.52
03.	Total Suspended Solids (TSS)	mg/L	26	22	21	24	18	22	25	19	18
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	256	185	232	243	142	189	138	172	142
06.	Oil & grease	mg/L	3.6	3.8	3.2	3.6	2.3	2.5	2.2	3.0	2.3
07.	Fluoride	mg/L	0.5	0.5	0.4	0.3	0.4	0.6	0.4	0.5	0.4
08.	Sulphide	mg/L	0.30	0.4	0.3	0.4	0.3	0.4	0.2	0.3	0.3
09.	Ammonical Nitrogen	mg/L	15.2	15.2	8	9	3.2	3.2	4.2	4.5	3.2
10.	Total Kjeldahl Nitrogen	mg/L	9.6	17.3	11	13	5.6	8.4	6.8	8.6	5.6
11.	Free Ammonia	mg/L	0.22	0.25	0.20	0.25	0.18	0.28	0.22	0.21	0.18
12.	Copper	mg/L	0.01	0.03	0.03	0.03	0.01	0.04	0.02	0.02	0.01
13.	Zinc	mg/L	0.21	0.20	0.20	0.20	0.13	0.18	0.28	0.18	0.13
14.	BOD 3 days at 270C	mg/L	34	28	27	32	24	29	33	25	24
15.	COD	mg/L	102	86	83	96	73	86	98	76	73
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.03	0.03	0.05	0.05	0.01	0.04	0.02	0.02	0.01
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	0.04	0.04	0.02	0.03	0.03	0.03	0.02
21.	Hexavalent Chromium	mg/L	0.2	0.2	0.2	0.5	0.3	0.2	0.4	0.2	0.3
22.	Total Chromium	mg/L	0.4	0.4	0.4	0.7	0.5	0.4	0.5	0.4	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.2	0.3	0.3	0.1	0.2	0.2	0.2	0.1
26.	Iron	mg/L	0.1	0.3	0.5	0.4	0.3	0.4	0.3	0.3	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	5.3	5.7	4.3	3.2	4.2	3.8	3.8	5.1	4.2

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

4.61. Wastewater Monitoring Data (IPG Asia Pvt. Ltd.)

July 2024 to August 2024												
Wastewater Samples		Month	July 2024			August 2024			September 2024			
		Date of Sampling	04/07/24	11/07/24	26/07/24	13/08/24	21/08/24	31/08/24	06/09/24	13/09/24	21/09/24	30/09/24
S. No.	Test Parameters	Unit	Result									
01.	Temperature	°C	34	32	32	31	30	31	33	32	33	30
02.	pH at 25°C	pH unit	7.28	7.10	7.36	7.36	7.36	7.48	7.52	7.45	7.32	7.38
03.	Total Suspended Solids (TSS)	mg/L	27	19	28	27	27	31	23	27	21	30
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	192	186	86	246	176	158	210	238	182	172
06.	Oil & grease	mg/L	3.4	3.2	3.5	5.2	4.2	3.0	3.6	3.2	2.8	3.2
07.	Fluoride	mg/L	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.6	0.4	0.5
08.	Sulphide	mg/L	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.5	0.2	0.4
09.	Ammonical Nitrogen	mg/L	3.1	3.2	2.8	7.6	5.8	5.9	2.7	4.2	3.1	3.6
10.	Total Kjeldahl Nitrogen	mg/L	4.6	4.8	4.6	10.2	7.4	7.5	4.1	6.5	5.8	5.2
11.	Free Ammonia	mg/L	0.21	0.12	0.15	0.25	0.19	0.1	0.15	0.28	0.20	0.15
12.	Copper	mg/L	0.02	0.02	0.01	0.01	0.02	0.02	0.03	0.02	0.02	0.03
13.	Zinc	mg/L	0.18	0.15	0.15	0.13	0.16	0.2	0.1	0.15	0.10	0.15
14.	BOD 3 days at 27°C	mg/L	36	25	37	36	35	42	31	36	27	40
15.	COD	mg/L	109	74	112	108	106	125	92	108	82	120
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.02	0.02	0.01	0.01	0.02	0.03	0.04	0.02	0.02	0.03
20.	Cadmium	mg/L	0.03	0.03	0.02	0.02	0.03	0.04	0.02	0.03	0.01	0.02
21.	Hexavalent Chromium	mg/L	0.4	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.2	0.3
22.	Total Chromium	mg/L	0.6	0.4	0.4	0.5	0.5	0.5	0.7	0.6	0.5	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.1	0.1	0.3	0.1	0.3	0.2	0.2	0.2	0.1
26.	Iron	mg/L	0.3	0.2	0.2	0.4	0.3	0.2	0.1	0.3	0.1	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	6.8	4.8	3.8	7.9	4.5	4.5	4.0	3.5	3.5	4.2

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.
 2. BDL – Below Detection Limit, DL – Detection Limit.

4.62. Wastewater Monitoring Data (Milan Laboratories (INDIA) Pvt. Ltd.)

April 2024 to June 2024											
Wastewater Samples		Month	April 2024				May 2024				
		Date of Sampling	04/04/24	10/04/24	20/04/24	26/04/24	03/05/24	07/05/24	11/05/24	14/05/24	31/05/24
S. No.	Test Parameters	Unit	Result								
01.	Temperature	°C	35	33	32	34	39	38	37	33	36
02.	pH at 250C	pH unit	7.24	7.23	7.36	7.48	7.25	7.24	7.49	7.32	7.42
03.	Total Suspended Solids (TSS)	mg/L	29	31	21	21	23	49	33	38	23
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	43	42	126	163	132	238	243	148	168
06.	Oil & grease	mg/L	2.6	3.2	2.5	3.2	3.0	3.2	3.2	2.1	1.5
07.	Fluoride	mg/L	0.5	0.6	0.5	0.5	0.4	0.7	0.7	0.4	0.4
08.	Sulphide	mg/L	0.4	0.4	0.3	0.2	0.3	0.5	0.5	0.3	0.2
09.	Ammonical Nitrogen	mg/L	26.0	16.1	8	13.6	4.2	33.6	6.8	12.0	3.6
10.	Total Kjeldahl Nitrogen	mg/L	32.5	19.2	11	18.2	7.8	38.9	10.4	16.5	7.5
11.	Free Ammonia	mg/L	0.20	0.28	0.20	0.20	0.25	0.25	0.28	0.23	0.21
12.	Copper	mg/L	0.03	0.03	0.02	0.02	0.01	0.03	0.01	0.01	0.01
13.	Zinc	mg/L	0.28	0.15	0.16	0.15	0.23	0.25	0.26	0.19	0.10
14.	BOD 3 days at 270C	mg/L	39	41	26	28	31	66	44	51	30
15.	COD	mg/L	117	124	78	85	93	197	132	152	91
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.02	0.02	0.01	0.01	0.02	0.25	0.02	0.018	0.02
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.25	0.25	0.3	0.2	0.3	0.3	0.2	0.2	0.2
22.	Total Chromium	mg/L	0.35	0.38	0.4	0.3	0.5	0.5	0.3	0.3	0.3
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.20	0.22	0.2	0.2	0.2	0.3	0.2	0.2	0.2
26.	Iron	mg/L	0.4	0.30	0.1	0.1	0.1	0.4	0.3	0.3	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	6.2	5.3	4.3	2.6	3.7	6.8	4.0	4.0	4.0

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

4.63. Wastewater Monitoring Data (Milan Laboratories (INDIA) Pvt. Ltd.)

July 2024 to August 2024

Wastewater Samples		Month	July 2024								August 2024					September 2024			
		Date of Sampling	03/07/24	08/07/24	15/07/24	19/07/24 10:55	19/07/24 3:20	20/07/24	26/07/24	31/07/24	07/08/24	11/08/24	12/08/24	21/08/24	27/08/24	06/09/24	13/09/24	21/09/24	28/09/24
S. No.	Test Parameters	Unit	Result																
01.	Temperature	°C	35	37	33	33	33	30	33	35	34	29	32	33	32	32	30	29	32
02.	pH at 250C	pH unit	7.43	7.46	7.65	7.42	7.42	7.35	7.52	7.35	7.36	7.52	7.62	7.36	7.62	7.43	7.45	7.42	7.38
03.	Total Suspended Solids (TSS)	mg/L	32	34	32	28	31	10	42	32	22	43	36	32	29	29	28	45	30
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	378	376	376	275	285	126	246	334	262	269	326	249	294	212	321	349	274
06.	Oil & grease	mg/L	2.6	3.5	3.5	4.5	3.5	2.1	3.6	3.0	2.1	4.6	4.6	2.8	2.5	3.1	3.9	3.6	2.8
07.	Fluoride	mg/L	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.6	0.5	0.7	0.6	0.5	0.5	0.4	0.6	0.7	0.5
08.	Sulphide	mg/L	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.3	0.4	0.3	0.3	0.5	0.5	0.4
09.	Ammonial Nitrogen	mg/L	3.5	4.2	4.2	3.4	4.2	1.8	3.6	5.4	4.6	13.8	7.1	7.2	4.8	4.6	3.9	4.8	4.2
10.	Total Kjeldahl Nitrogen	mg/L	5.4	6.4	5.8	5.2	8.4	3.2	5.1	7.6	6.5	16.4	10.2	9.4	6.4	6.0	5.2	6.2	6.8
11.	Free Ammonia	mg/L	0.25	0.25	0.26	0.28	0.26	0.22	0.21	0.31	0.25	0.20	0.23	0.21	0.24	0.20	0.21	0.25	0.20
12.	Copper	mg/L	0.03	0.02	0.05	0.02	0.03	0.01	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.02	0.02	0.01	0.01
13.	Zinc	mg/L	0.42	0.32	0.32	0.4	0.42	0.1	0.31	0.34	0.24	0.24	0.18	0.15	0.1	0.21	0.2	0.1	0.1
14.	BOD 3 days at 270C	mg/L	43	45	43	38	41	13	56	43	29	57	47	43	39	38	37	60	40
15.	COD	mg/L	128	134	128	113	124	40	168	127	86	172	142	128	116	114	112	180	120
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.02	0.05	0.02	0.02	0.02	0.01	0.03	0.03	0.02	0.04	0.015	0.02	0.02	0.01	0.03	0.03	0.02
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.4	0.2	0.3	0.1	0.2	0.3	0.2	0.3	0.3
22.	Total Chromium	mg/L	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.6	0.4	0.4	0.3	0.3	0.6	0.5	0.5	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.1
26.	Iron	mg/L	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.1	0.1	0.2	0.2	0.1	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.6	4.6	7.6	6.8	6.8	2.5	5.4	5.8	4.1	6.1	6.8	6.4	3.4	4.9	2.9	3.4	3.2

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

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4.64. Wastewater Monitoring Data (Tatva Chintan Pharma Chem Pvt. Ltd.)

April 2024 to June 2024														
Wastewater Samples		Month	April 2024			May 2024			June 2024					
		Date of Sampling	04/04/24	12/04/24	24/04/24	01/05/24	14/05/24	31/05/24	04/06/24	07/06/24	13/06/24	14/06/24	26/06/24	28/06/24
S. No.	Test Parameters	Unit	Result											
01.	Temperature	°C	32	33	34	36	32	37	36	37	36	35	35	32
02.	pH at 25°C	pH unit	7.35	7.24	7.25	7.26	7.52	7.36	7.32	7.32	7.68	7.63	7.52	7.38
03.	Total Suspended Solids (TSS)	mg/L	27	44	24	28	24	21	25	21	20	28	20	28
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	236	215	86	278	173	139	251	171	173	230	172	182
06.	Oil & grease	mg/L	4.6	6.5	2.0	3.1	3.5	2.5	2.8	2.0	3.5	2.8	2.9	3.2
07.	Fluoride	mg/L	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.5	0.6	0.6	0.7
08.	Sulphide	mg/L	0.4	0.2	0.3	0.3	0.3	0.4	0.5	0.4	0.3	0.4	0.3	0.5
09.	Ammonical Nitrogen	mg/L	13.0	39.1	8.6	5.7	2.8	4.5	3.1	4.6	3.6	4.6	1.9	3.2
10.	Total Kjeldahl Nitrogen	mg/L	18.6	45.2	13.2	12.4	6.4	9.1	7.8	7.8	6.4	7.2	3.6	6.5
11.	Free Ammonia	mg/L	0.22	0.32	0.32	0.35	0.25	0.24	0.25	0.32	0.30	0.23	.13	0.22
12.	Copper	mg/L	0.05	0.04	0.042	0.04	0.02	0.03	0.03	0.01	0.02	0.01	0.02	0.02
13.	Zinc	mg/L	0.20	0.20	0.15	0.22	0.10	0.14	0.20	0.18	0.13	0.12	0.10	0.10
14.	BOD 3 days at 27°C	mg/L	36	25	31	37	32	28	33	28	27	38	26	37
15.	COD	mg/L	109	176	95	112	97	84	98	83	80	113	8	112
16.	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.01	0.02
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.4	0.4	0.1	0.3	0.3	0.2	0.2	0.1	0.2	0.3	0.2	0.1
22.	Total Chromium	mg/L	0.5	0.6	0.2	0.4	0.4	0.4	0.4	0.3	0.4	0.5	0.3	0.3
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.4	0.1	0.2	0.3	0.4	0.1	0.2	0.1	0.1	0.2	0.4
26.	Iron	mg/L	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	7.1	10.8	3.5	4.5	5.2	5.9	5.1	3.4	4.2	6.4	4.3	6.5

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit.

4.65. Wastewater Monitoring Data (Tatva Chintan Pharma Chem Pvt. Ltd.)

July 2024 to August 2024															
Wastewater Samples		Month	July 2024					August 2024					September 2024		
		Date of Sampling	04/07/24	11/07/24	25/07/24	29/07/24	31/07/24	02/08/24	07/08/24	16/08/24	21/08/24	27/08/24	01/09/24	07/09/24	10/09/24
S. No.	Test Parameters	Unit	Result												
01.	Temperature	°C	35	34	32	30	33	31	33	33	32	32	29	33	30
02.	pH at 25°C	pH unit	7.45	7.12	7.35	7.42	7.32	7.48	7.42	7.62	7.62	7.35	7.46	7.48	7.56
03.	Total Suspended Solids (TSS)	mg/L	26	29	34	26	30	20	29	21	26	52	22	35	31
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	281	152	275	210	238	248	238	342	281	315	286	142	246
06.	Oil & grease	mg/L	3.4	2.4	3.6	2.5	3.2	2.8	4.3	2.8	3.8	4.2	4.4	4.5	2.4
07.	Fluoride	mg/L	0.6	0.5	0.5	0.6	0.5	0.4	0.7	0.6	0.5	0.7	0.7	0.5	0.5
08.	Sulphide	mg/L	0.4	0.4	0.3	0.4	0.4	0.3	0.5	0.3	0.3	0.5	0.5	0.3	0.3
09.	Ammonical Nitrogen	mg/L	2.0	3.6	4.2	5.7	5.9	3.6	6.4	6.8	6.4	16.4	4.6	5.8	4.8
10.	Total Kjeldahl Nitrogen	mg/L	4.2	5.4	6.4	7.8	7.8	5.2	8.2	9.4	8.7	20.7	7.8	7.4	7.9
11.	Free Ammonia	mg/L	0.22	0.21	0.15	0.30	0.35	0.28	0.10	0.12	0.21	0.28	0.25	.25	0.20
12.	Copper	mg/L	0.02	0.012	0.01	0.02	0.04	0.05	0.02	0.02	0.015	0.03	0.04	0.02	0.02
13.	Zinc	mg/L	0.25	0.10	0.10	0.21	0.10	0.15	0.13	0.16	0.28	0.18	0.10	0.10	0.10
14.	BOD 3 days at 27°C	mg/L	35	38	31	34	40	26	39	28	38	69	29	46	41
15.	COD	mg/L	105	114	94	102	119	79	116	84	114	206	86	139	122
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.2	0.2	0.2	0.1	0.3	0.1	0.1	0.1	0.2	0.2	0.2
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.01	0.04	0.02	0.02	0.02	0.01	0.04	0.03	0.05	0.04	0.03	0.02	0.03
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.1	0.3	0.3	0.2	0.2	0.2
22.	Total Chromium	mg/L	0.5	0.6	0.3	0.4	0.4	0.5	0.5	0.3	0.4	0.5	0.4	0.4	0.4
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.3	0.3
26.	Iron	mg/L	0.3	0.3	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	6.4	7.8	5.2	4.3	6.8	6.8	4.1	4.1	6.8	8.4	6.0	4.1	3.8

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.66. Wastewater Monitoring Data (Vidhi Speciality Food Ingredients Ltd)

April 2024 to June 2024										
Wastewater Samples		Month	April 2024			May 2024	June 2024			
		Date of Sampling	17/04/24	27/04/24	30/04/24	28/05/24	08/06/24	12/06/24	19/06/24	27/06/24
S. No.	Test Parameters	Unit	Result							
01.	Temperature	°C	33	35	34	37	36	35	36	35
02.	pH at 25°C	pH unit	6.78	7.69	7.32	7.32	7.36	7.54	7.42	7.48
03.	Total Suspended Solids (TSS)	mg/L	19	22	11	32	20	31	35	34
04.	Color	mg/L	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK
05.	Sulphate	mg/L	135	89	206	285	252	342	231	385
06.	Oil & grease	mg/L	3.2	3.5	2.0	4.8	4.2	4.2	4.5	4.0
07.	Fluoride	mg/L	0.4	0.3	0.3	0.7	0.8	0.6	0.7	0.9
08.	Sulphide	mg/L	0.2	0.2	0.2	0.5	0.6	0.4	0.4	0.6
09.	Ammonical Nitrogen	mg/L	9	10	3.2	16.4	4.2	4.6	5.6	4.9
10.	Total Kjeldahl Nitrogen	mg/L	12	15	6.5	22.8	9.2	6.8	8.4	8.4
11.	Free Ammonia	mg/L	0.3	0.25	0.2	0.21	0.26	0.18	0.20	0.25
12.	Copper	mg/L	0.05	0.03	0.03	0.03	0.02	0.02	0.02	0.02
13.	Zinc	mg/L	0.1	0.15	0.12	0.15	0.18	0.10	0.10	0.24
14.	BOD 3 days at 27°C	mg/L	25	29	15	43	26	41	46	45
15.	COD	mg/L	76	86	45	128	78	124	139	134
16.	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2	0.4	0.1	0.3	0.4	0.2	0.3	0.3
22.	Total Chromium	mg/L	0.3	0.6	0.2	0.2	0.6	0.3	0.2	0.5
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.3
26.	Iron	mg/L	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.2
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO3-N	mg/L	2.8	3.0	2.3	3.5	3.0	2.8	3.0	10.5

Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite.

2. BDL – Below Detection Limit, DL – Detection Limit

4.67. Wastewater Monitoring Data (Vidhi Speciality Food Ingredients Ltd)

July 2024 to September 2024						
Wastewater Samples		Month	July 2024			August 2024
		Date of Sampling	02/07/24	10/07/24	17/07/24	06/08/24
S. No.	Test Parameters	Unit				
01.	Temperature	0°C	29	30	33	29
02.	pH at 25°C	pH unit	7.62	7.45	7.46	7.35
03.	Total Suspended Solids (TSS)	mg/L	32	29	30	31
04.	Color	mg/L	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHTPINK
05.	Sulphate	mg/L	334	142	176	274
06.	Oil & grease	mg/L	3.7	3.2	4.6	3.0
07.	Fluoride	mg/L	0.7	0.6	0.7	0.5
08.	Sulphide	mg/L	0.5	0.4	0.5	0.3
09.	Ammonical Nitrogen	mg/L	7.4	8.4	8.9	4.6
10.	Total Kjeldahl Nitrogen	mg/L	10.4	11.4	12.4	5.8
11.	Free Ammonia	mg/L	0.25	0.22	0.21	0.22
12.	Copper	mg/L	0.01	0.03	0.03	0.02
13.	Zinc	mg/L	0.1	0.2	0.1	0.12
14.	BOD 3 days at 27°C	mg/L	43	39	39	41
15.	COD	mg/L	128	117	118	124
16.	Total Residual Chlorine	mg/L	0.1	0.2	0.2	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
19.	Lead	mg/L	0.01	0.02	0.02	0.02
20.	Cadmium	mg/L	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.3	0.3	0.3	0.2
22.	Total Chromium	mg/L	0.4	0.4	0.6	0.3
23.	Nickel	mg/L	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT
25.	Phenolic compound	mg/L	0.2	0.3	0.1	0.1
26.	Iron	mg/L	0.1	0.2	0.2	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	3.4	2.4	4.6	2.8

Note: 1. Temperature and pH was measured onsite.
2. BDL – Below Detection Limit, DL – Detection Limit

4.68. Wastewater Monitoring Data (M/s. Neogen Ionics Ltd.)

April-2024			
Wastewater Samples		Month	
		Date of Sampling	08/04/24
S. No.	Test Parameters	Unit	
01.	Temperature	0°C	32
02.	pH at 25°C	pH unit	7.25
03.	Total Suspended Solids (TSS)	mg/L	28
04.	Color	mg/L	CLEAR
05.	Sulphate	mg/L	36
06.	Oil & grease	mg/L	2.6
07.	Fluoride	mg/L	0.24
08.	Sulphide	mg/L	0.20
09.	Ammonical Nitrogen	mg/L	15.3
10.	Total Kjeldahl Nitrogen	mg/L	17.3
11.	Free Ammonia	mg/L	0.22
12.	Copper	mg/L	0.02
13.	Zinc	mg/L	0.10
14.	BOD 3 days at 27°C	mg/L	37
15.	COD	mg/L	113
16.	Total Residual Chlorine	mg/L	0.1
17.	Arsenic	mg/L	BDL (DL-0.01)
18.	Mercury	mg/L	BDL (DL-0.01)
19.	Lead	mg/L	0.02
20.	Cadmium	mg/L	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.2
22.	Total Chromium	mg/L	0.3
23.	Nickel	mg/L	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT
25.	Phenolic compound	mg/L	0.1
26.	Iron	mg/L	0.3
27.	Vanadium	mg/L	BDL (DL-0.1)
28.	Manganese	mg/L	BDL (DL-0.21)
29.	Nitrate Nitrogen as NO ₃ -N	mg/L	6.7

Note: 1. Temperature and Total Residual Chlorine was measured onsite.
2. BDL – Below Detection Limit, DL – Detection Limit

5. SOIL QUALITY MONITORING REPORT



Period: April 2024 to September 2024



M/s. Dahej SEZ Ltd. (SEZ Developer)

**Located at
Dahej SEZ Part - I
At & Post: Dahej, Taluka – Vagra,
Dist. Bharuch – 392 140, Gujarat**

5.1 Soil Quality Monitoring Data (April 2024 to September 2024) For M/s. Dahej SEZ Limited (SEZ Developer)

Soil Sample Nr.SEZ-1 Admin (Garden)		Month: September 2024		
		Date of Sampling: 09/09/24		
S. No.	Test Parameters	Unit	Result	
1	Arsenic	mg/kg	2.1	
2	Lead	mg/kg	3.2	
3	Antimony	mg/kg	BDL (DL-0.2)	
4	Beryllium	mg/kg	BDL (DL-0.8)	
5	Chromium	mg/kg	26.4	
6	Titanium	mg/kg	N.D.	
7	Zinc	mg/kg	68.4	
8	Selenium	mg/kg	N.D.	
9	Silver	mg/kg	BDL (DL-0.5)	
10	Nickel	mg/kg	3.8	
11	Cadmium	mg/kg	1.5	
12	VOCs	PPb	ABSENT	
13	SVOCs	PPb	ABSENT	
14	Copper	mg/kg	22.4	
15	Mercury	mg/kg	BDL (DL-0.2)	
16	PCB	PPb	ABSENT	
17	TPH	PPb	ABSENT	
18	PAH	PPb	ABSENT	
Note: BDL=Below Detection Limit				

4. NABL CERTIFICATE OF THE LABORATORY



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

ECOSYSTEM RESOURCE MANAGEMENT PVT.LTD. - LAB DIVISION

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

209, 4TH FLOOR, SIDDHIVINAYAK PLATINUM, ALTHAN PANDESARA BRTS ROAD, BAMROLI, SURAT,
GUJARAT, INDIA

in the field of

TESTING

Certificate Number: TC-11369

Issue Date: 10/02/2023

Valid Until:

09/02/2025

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

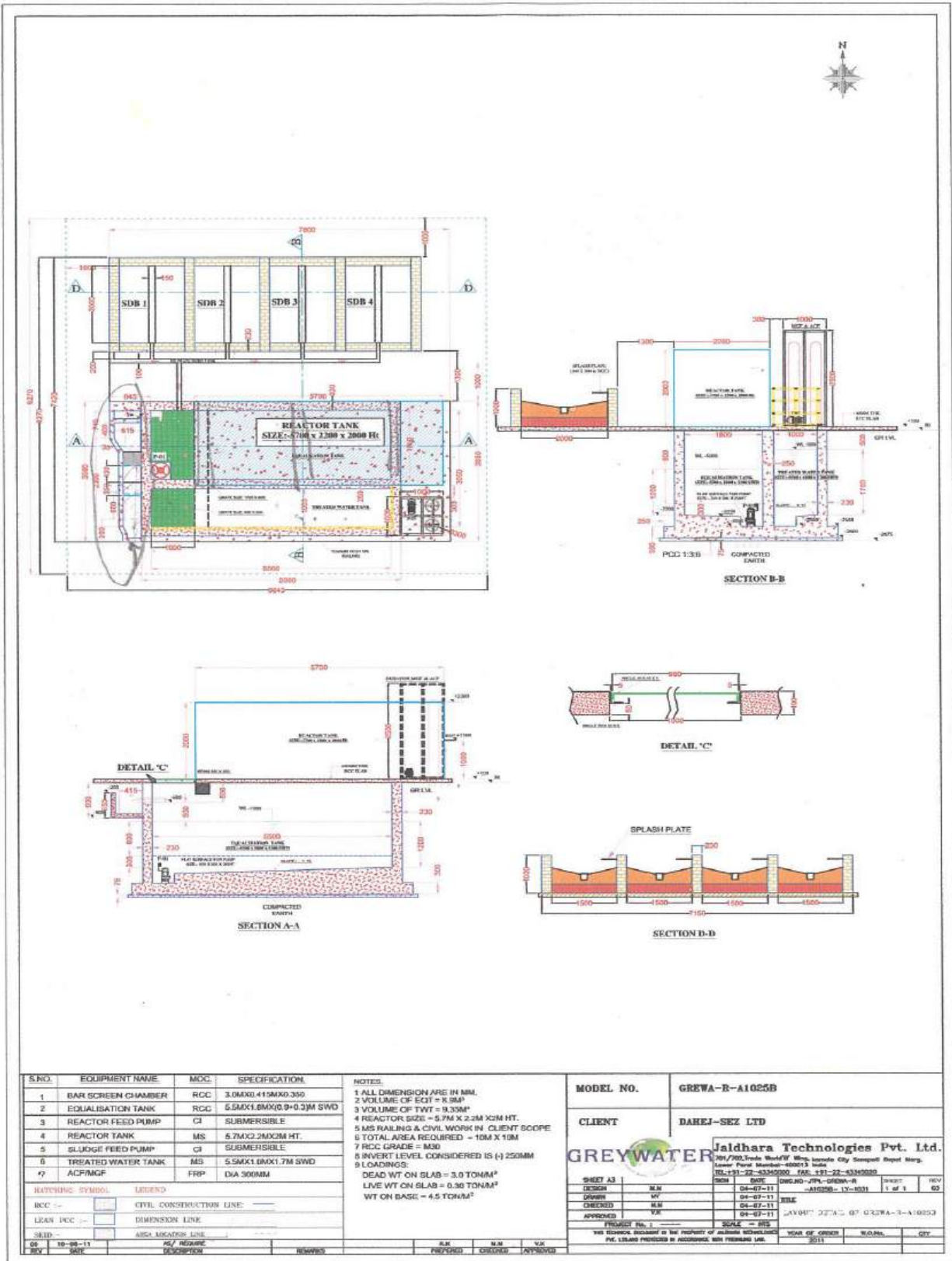
Name of Legal Identity : ECOSYSTEM RESOURCE MANAGEMENT PVT. LTD.

Signed for and on behalf of NABL

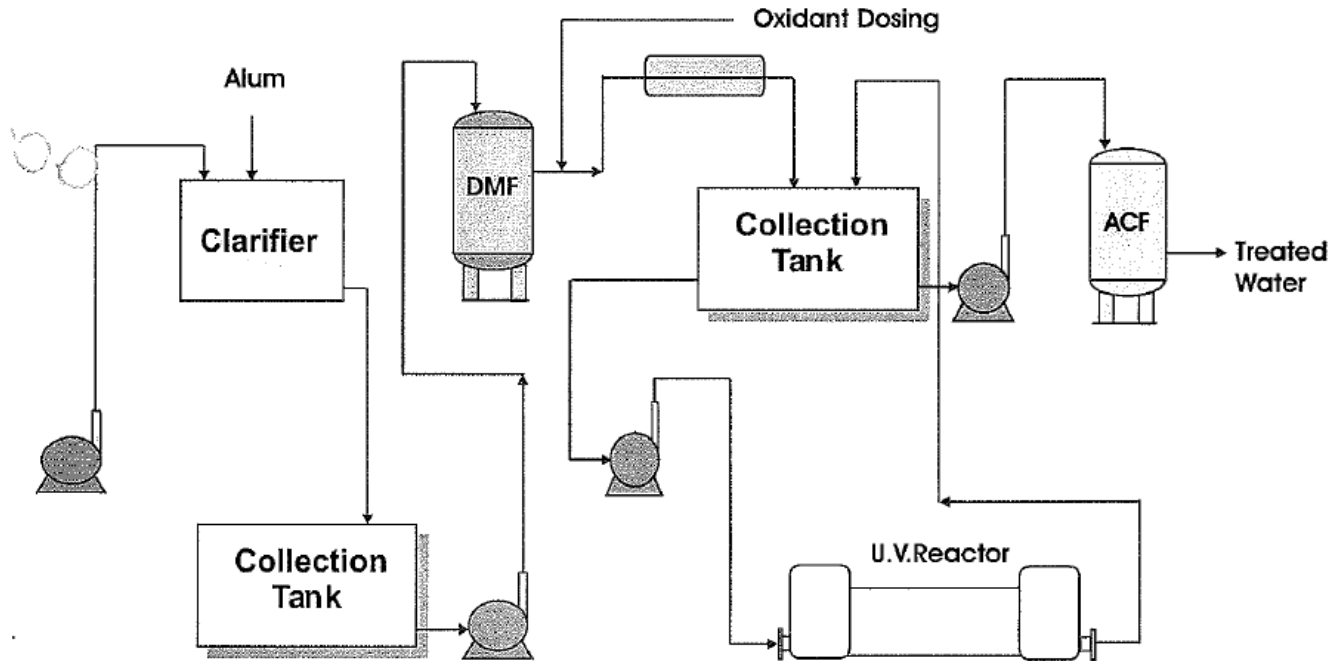


N. Venkateswaran
Chief Executive Officer

Annexure 6: Schematic Flow Diagram of STP



TYPICAL PHOTOCHEMICAL PROCESS FOR WASTEWATER



Annexure 7: Acknowledge copies of previous submitted EC compliances

10/23/24, 12:13 PM

Welcome to Rediffmail NG: Inbox

rediffmail

Mailbox of water.etp@dahejsez.com

Subject: EC & CRZ Compliance for the period October-2023 to March-2024 of M/s. Dahej SEZ Limited Located at - Village-Dahej, District-Bharuch

From: Dahej a <info@dahejsez.com> on Fri, 12 Jul 2024 14:37:04

To: "irogandhingr-mefcc" <iro.gandhingr-mefcc@gov.in>

1 attachment(s) - 1_EC_CRZ_Compliance_IRO_Gandhinagar.PDF (23.28MB)

Respected Sir,

**Ref.: DSL EC Letter No: F.NO.21-1084/2007-IA.III, Dated: 17-03-2010.
CRZ EC Letter No: F.NO.11-50/2011-IA.III, Dated: 19-09-2014.**

With reference to the above subject we, M/s. Dahej SEZ Limited, Located at - Village-Dahej, District-Bharuch. Herewith we are sending as an attachment to this email the EC & CRZ Compliance report for the period of October 2023 to March 2024.

Kindly acknowledge the receipt.

Thanking You,
Dahej SEZ Limited,
Gandhinagar, Gujarat, India

Website: www.dahejsez.com
Phone no.:079-23241590 / 29750838



DAHEJ SEZ LIMITED

(A Joint Venture of GIDC & ONGC)
Office of Dahej SEZ Limited, Dahej SEZ Part-1,
At & Post - Dahej, Ta -Vagra, Dist - Bharuch (Gujarat)
E-mail: am@dahejsez.com / info@dahejsez.com
Website : www.dahejsez.com, CIN - U45209GJ2004PLC044779



Ref No.: DSL/Agency/Environmental Clearance/154

Date: 29-06-2024
09.07

To,
The Regional Officer
Gujarat Pollution Control Board
Shed No. C-1/119/3, Phase-II,
GIDC Estate, Narmada Nagar,
Bharuch - 392015, Gujarat

Sub: Submission of Half Yearly compliance report (Period: October 2023 - March 2024) of Environment Clearance (EC) & Coastal Regulation Zone (CRZ) Clearance obtained for Development of M/s. Dahej SEZ Limited (SPV of GIDC & ONGC) located at Tal. Vagra, District Bharuch, Gujarat.

Ref: 1. Environment Clearance letter no. 21-1084/2007-IA.III dated 17th March 2010
2. CRZ Clearance letter no. F. No. 11-50/2011-IA.II dated 19th September 2014

Dear Sir,

The above referred Environment Clearance (EC) and Coastal Regulation Zone (CRZ) clearance were granted to M/s. Dahej SEZ Limited located at Taluka Vagra, District Bharuch under the EIA Notification - 2006 and CRZ Notification - 2011 respectively.

Half yearly compliance reports (Period: October 2023 - March 2024) for Environment Clearance (EC) and Coastal Regulation Zone (CRZ) clearance obtained for Development of M/s. Dahej SEZ Limited is enclosed for your kind consideration.

We hope that our submission is in line with the EC and CRZ compliance submission.

In light of above facts, we request your kind self to consider our submission favourably and do the needful & oblige.

Thanking you.

Yours Faithfully,

For DAHEJ SEZ LIMITED

(AUTHORIZED SIGNATORY)

Encl.: a/a

Bharuch 29/7/24
Post Received
Gujarat Pollution Control Board
BHARUCH

Annexure 8: Newspaper cut-outs of the published advertisement

For EC Clearance

Language: English

Publication: Gujarat Samachar (Vadodara Edition)

Date: 29.04.2010

DAHEJ SEZ LIMITED
Village: Dahej, Taluka: Vagra,
Dist. Bharuch, State-Gujarat

NOTICE

It is to inform to public at a large that, Environment Clearance to the proposed project for Development of Dahej SEZ at village Dahej, Taluka Vagra, District. Bharuch, Gujarat State by M/s Dahej SEZ Limited (SPV of GIDC & ONGC) has been accorded by Government of India, Ministry of Environment & Forest (MoEF) vide order No. 21-1084/2007: IA-III dtd. 17th March, 2010.

A copy of clearance letter is available in the office of Gujarat Pollution Control Board- Gandhinagar, Regional Office of GPCD, Bharuch & may also be seen at website of Ministry of Environment & Forest- <http://envfor.nic.in>

Sd/-
Authorized Signatory
Dahej SEZ Limited

(No.Mahiti-Bharuch-57-10)

Language: Gujarati

Publication: Gujarat Prabha (Bharuch Edition)

Date: 28.04.2010

મેસર્સ દહેજ એસ.ઈ.એડ. લિમિટેડ
ગામ:દહેજ,તા.વાગરા,જિ.ભરૂચ (ગુજરાત)

—:સુચના:—

આથી જાહેર જનતાને સુચિત કરવામાં આવે છે કે, મેસર્સ દહેજ એસ.ઈ.એડ.લિમિટેડ દ્વારા ગામ:દહેજ,તા.વાગરા, જિ.ભરૂચ માટે આશરે ૧૮૦૩ હેક્ટર વિસ્તારમાં દહેજ એસ.ઈ.એડ.ના વિકાસ માટેના પ્રોજેક્ટને ભારત સરકારના પર્યાવરણ અને વનમંત્રાલય તરફથી આદેશ નં.21-1084/2007-IA-III, Dtd: 17th March, 2010 થી એન્વાયરલમેન્ટલ ક્લીયરન્સ પાઠવવામાં આવેલ છે. આ મંજૂરી પત્રની નકલ ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ, ગાંધીનગર તથા ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ, ગાંધીનગર તથા ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ, સ્થાનિક કચેરી, ભરૂચ ખાતે ઉપલબ્ધ છે. તેમજ પર્યાવરણ અને વનમંત્રાલયની વેબસાઈટ <https://envfor.nic.in> પર પણ જોઈ શકાશે.

માહિતી/ભરૂચ/૫૭/૨૦૧૦

Language: Gujarati

Publication: Sandesh (Vadodara Edition)

Date: 29.04.2010

મેસર્સ દહેજ એસ.ઈ.એડ. લિમિટેડ
ગામ: દહેજ, તા.વાગરા, જિ.ભરૂચ (ગુજરાત)

—:સુચના:—

આથી જાહેર જનતાને સુચિત કરવામાં આવે છે કે, મેસર્સ દહેજ એસ.ઈ.એડ. લિમિટેડ દ્વારા ગામ : દહેજ, તા.વાગરા, જિ.ભરૂચ ખાતે આશરે ૧૮૦૩ હેક્ટર વિસ્તારમાં દહેજ એસ.ઈ.એડ.ના વિકાસ માટેના પ્રોજેક્ટને ભારત સરકારના પર્યાવરણ અને વન મંત્રાલય તરફથી આદેશ નં. 21-1084/2007-IA-III, Dtd: 17th March, 2010 થી એન્વાયરલમેન્ટલ ક્લીયરન્સ પાઠવવામાં આવેલ છે. આ મંજૂરી પત્રની નકલ ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ, ગાંધીનગર તથા ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ, સ્થાનિક કચેરી, ભરૂચ ખાતે ઉપલબ્ધ છે. તેમજ પર્યાવરણ અને વન મંત્રાલયની વેબસાઈટ <http://envfor.nic.in> પર પણ જોઈ શકાશે.

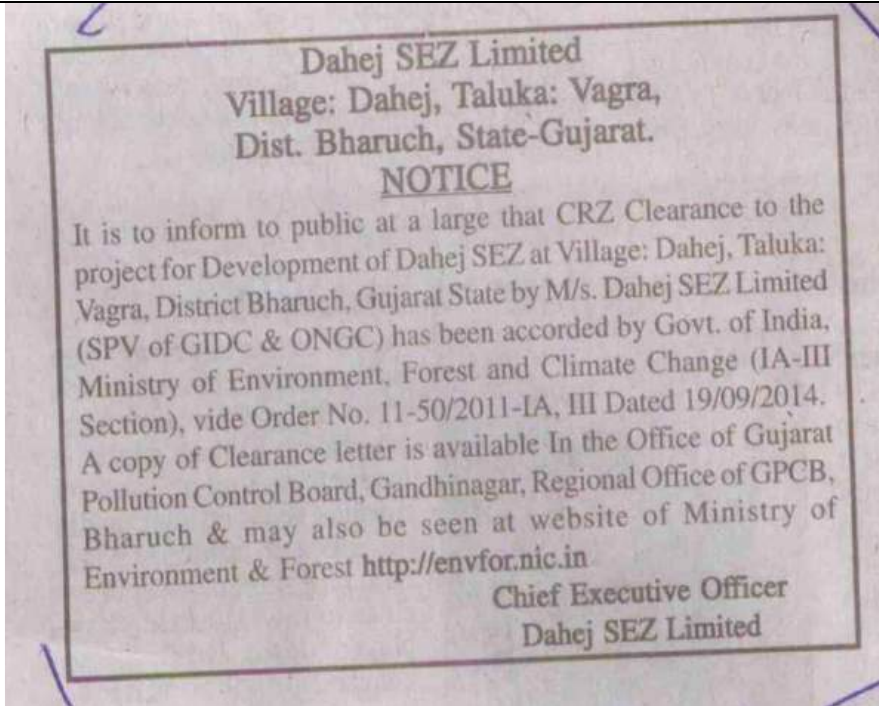
(માહિતી-ભરૂચ-૫૭-૨૦૧૦)

For CRZ Clearance

Language: English

Publication: Times of India (Ahmedabad Edition)

Date: 11.10.2014



Language: Gujarati

Publication: Divya Bhashkar [Dainik Bhashkar Group] (Bharuch Edition)

Date: 11.10.2014



Annexure 9: Copy of Environment Statement for FY 2023-2024

Evaluating unlicensed DynamicPDF feature. Click here for details. [4:0:eval]

FROM - V (See Rule 14)

FROM:
DAHEJ SEZ LIMITED
DAHEJ SEZ (PART-1), DAHEJ,
TA-VAGRA, DIST-BHARUCH

TO:
GUJARAT POLLUTION CONTROL BOARD,
PARYAVARAN BHAVAN, SECTOR 10 -A,
GANDHINAGAR -382010

ENVIRONMENT STATEMENT for the financial year ending the 31st March 2024

PART - A

- (i) Name and address of the owner/ occupier of the industry operation or Process : **DAHEJ SEZ LIMITED**
Dahej SEZ (PART-1), Dahej,
Ta-Vagra, Dist-Bharuch
Ph. No. 9825740882
Email: am@dahejsez.com
- (ii) Industry category : **Large Scale Industry**
Primary - (STC Code)
Secondary - (STC Code)
- (iii) Production Capacity - Units : **Infrastructure Development**
- (iv) Year of Establishment : **2004**
- (v) Date of the last environment statement : **20/06/2019**

PART-B

Water and Raw Material Consumption

- (i) Water Consumption KL/day
- Process : Nil
- Cooling : Nil
- Domestic : 100 KL/day

Name of Products	Process Water consumption per unit of product output	
	During the previous financial year (2022-2023)	During the current financial year (2023-2024)
	(1)	(2)
Infrastructure Development	Not Applicable	Not Applicable

- (II) Raw material consumption

Name of raw materials	Name of Products	Consumption of raw material per unit of output	
		During the previous Financial year (2022-2023)	During the current Financial year (2023-2024)
		(1)	(2)
Not Applicable	Infrastructure Development	Not Applicable	Not Applicable

Industry may use codes if disclosing detail of raw material would violate contractual obligation otherwise all industries have to name the raw materials used.

PART-C
Pollution discharged to the environment/unit output.
 (parameters are specified in the consent issued)

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(i) Water	--	--	--
(ii) Air	--	--	--

PART-D
As specified under Hazardous Waste/Management and Handling Rules, 1989

Hazardous Wastes	Total Quantity (Kg.)	
	During the previous Financial Year (2022-2023)	During the current Financial Year (2023-2024)
From process	--	--
From pollution control facilities	--	--

PART - E
Solid Waste

	Total Quantity	
	During the previous Financial Year (2022-2023)	During the current Financial Year (2023-2024)
(a) From process	--	--
(b) From pollution control facilities	--	--
(c) Quantity recycled or re-utilized within the unit.		
(1) Sold	--	--
(2) Disposed		

PART - F

Please specify the clarification (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Not Applicable

PART - G

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

See Annexure-III

PART – H

Additional measures investment proposal for environment including abatement of pollution/ prevention of pollution.

Not Applicable

PART – I

Any other particulars for improving the quality of the environment.

Plantation

Signature:

Name:

Designation:

Date:

Jayesh B Patel

Chief Executive officer

28.06.2024

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Annexure 10: Photographs of Dahej SEZ Limited

Photographs of green belt development at Dahej SEZ Limited









Report on Compliances to CRZ Clearance
April 2024 to September 2024

For

M/s. Dahej SEZ Limited
(Joint Venture of GIDC & ONGC)

Located At
Village: Dahej, Taluka: Vagra, District Bharuch

Registered Office:
Block No. 14th, 3rd Floor, Udyog Bhavan, Gandhinagar – 382017, Gujarat

[EC No: F. NO. 11-50/2011-IA.III Dated: 19.09.2014]



Applicant

M/s. Dahej SEZ Ltd.
Block No. 14th, 3rd Floor, Udyog Bhavan,
Gandhinagar – 382017, Gujarat
E-mail: info@dahejsez.com
Tel No: +91-079-23241590, 29750838

Report Prepared by

Ecosystem Resource Management Pvt. Ltd.
Office floor, Ashoka Pavilion 'A', New Civil Road,
Surat, Gujarat.
(QCI/NABET ACCREDITED NO. NABET/EIA/1720/RA 051)
E-mail: eco@ecoshripad.com
Tel No: +912612236223

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COMPLIANCE TO THE STIPULATED CONDITIONS OF COASTAL REGULATION ZONE (CRZ) CLEARANCE	8

INTRODUCTION

M/S. DAHEJ SEZ LIMITED
SIX MONTHLY REPORT (PERIOD: April 2024 TO September 2024)

INTRODUCTION

M/s. Dahej SEZ Limited (DSL) is a company registered under the companies' act, 1956 and is promoted jointly by Gujarat industrial development corporation (GIDC) and Oil & Natural Gas Corporation (ONGC) for development of Special Economic Zone (SEZ). DSL is developing a Multi-Product SEZ at Dahej in Vagra Taluka of Bharuch district in Gujarat, India.

M/s. Dahej SEZ Ltd. has obtained EC from MoEF&CC vide letter no. F. No. 21-1084/2007-IA.III dated 17th March 2010 and CRZ Clearance vide letter no. F. No. 11-50/2011-IA.III dated 19th September, 2014.

Unit has obtained CC&A from GPCB vide order no. AWH-138034, valid up to 04.08.2029.

Dahej SEZ is located in Vagra Talulka of western part of Bharuch District, Gujarat, India. It is well connected with National Highway (NH-8). Road and Railway both are having the connectivity to New Delhi, the National Capital and Mumbai, the commercial Capital of India. SEZ is a part of Dahej Petroleum, Chemicals and Petrochemicals Investment Region (PCPIR).

As per CRZ clearance (letter no: F. No. 11-50/2011-IA.III dated 19th September, 2014 issued by (MoEF&CC) condition no. 12, it is mandatory to submit six monthly compliance report to Region Office Bhopal.

COASTAL REGULATION ZONE (CRZ) CLEARANCE
BY MoEF&CC

F. No. 11-50/2011-IA-III dated: 19/09/2014

M/S. DAHEJ SEZ LIMITED
SIX MONTHLY REPORT (PERIOD: April 2024 TO September 2024)

F.No.11-50/2011-IA.III
Government of India
Ministry of Environment, Forests & Climate Change
(IA-III Section)

Vayu Wing, 3rd Floor,
Indira Paryavaran Bhawan,
Jor Bag Road, Aliganj,
New Delhi - 110 003

Dated: 19th September, 2014

To
The Chief Executive Officer,
M/s Dahej SEZ Ltd.,
Block No.14, 3rd Floor,
Udyog Bhawan, Sector-11,
Gandhinagar – 382 017, Gujarat

Contact Person Details:
Shri S. N. Patil,
Fax: 079-23241736
Phone: +91-7923241590-65721608
Email: ceo@dahejsez.com, ceodsl6@yahoo.in


Subject: CRZ Clearance for laying of roads and other facilities for the SEZ at Dahej, Taluka Vagra, Dist. Bharuch, Gujarat by M/s Dahej SEZ Ltd. – Reg.

This has reference to your letter No: DSL/MoEF/CRZ-Clea5rance/1949 dated 15.06.2011 and subsequent letters dated 07.12.2013 and 13.02.2014 seeking prior CRZ Clearance for the above project under the Coastal Regulation Zone Notification, 2011. The proposal has been appraised as per prescribed procedure in the light of provisions under the CRZ Notification, 2011 on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, recommendation of State Coastal Zone Management Authority, EIA, EMP and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee constituted by the competent authority in its meetings held on 21st-23rd September, 2011, 16th -17th April, 2012, 22nd - 24th January, 2014 and 21st - 22nd March, 2014.

2. It is inter-alia noted that the proposal involves laying of roads and other facilities for the SEZ at Dahej, Taluka Vagra, Dist. Bharuch, Gujarat. M/s Dahej SEZ Ltd. is developing SEZ in the area of 1803 ha near village Dahej, Gujarat. The SEZ is divided into Part-I and Part-II. Both are connected by a dedicated corridor of 35/45 mtrs width and 5 km long. Environmental Clearance (EC) for non CRZ area of SEZ was issued by the Ministry of Environment & Forests on 17.03.2010.

3. The present proposal involves providing essential infrastructure facilities like road, water supply, drainage, power supply etc. In Part-I of SEZ, 1.4 km of road, 2.8 km of storm water drainage, 1.4 km water distribution pipeline, 1.4 km drainage pipeline and 1.4 km power line and in Part-II of SEZ, a road of 1.8 km fall within CRZ area.

Inward No. 7756
Date 29/9/14


AM/SRM
PL - SPK

M/S. DAHEJ SEZ LIMITED
SIX MONTHLY REPORT (PERIOD: April 2024 TO September 2024)

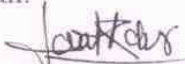
- (iv) This Ministry or any other competent authority may stipulate any additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.
- (v) Full support should be extended to the officers of this Ministry's Regional Office at Bhopal and the offices of the Central and Gujarat State Pollution Control Board by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.
6. These stipulations would be enforced among others under the provisions of water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and Municipal Solid Wastes (Management and Handling) Rules, 2000 including the amendments and rules made thereafter.
7. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department and Civil Aviation Department from height point of view, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
8. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance and copies of clearance letters are available with the Gujarat State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forests & Climate Change at <http://www.envfor.nic.in>. The advertisement should be made within 10 days from the date of receipt of clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.
9. This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.
10. Any appeal against this Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
11. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.
12. The proponent shall upload the status of compliance of the stipulated Clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as

M/S. DAHEJ SEZ LIMITED
SIX MONTHLY REPORT (PERIOD: April 2024 TO September 2024)

stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

13. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.

14. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of Clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.


(Lalit Kapur)
Director (IA-III)


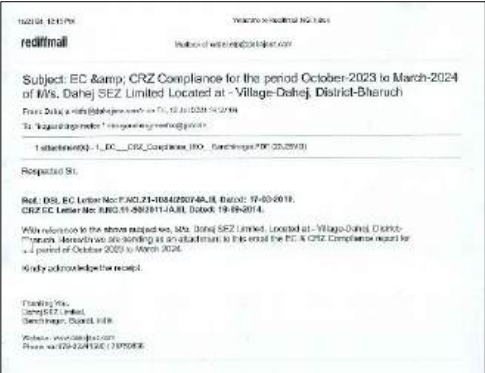
Copy to:

1. The Principal Secretary, Department of Forests & Environment and Chairman, GCZMA, Govt. of Gujarat, Sachivalaya, Gandhinagar.
2. The Director, Forests & Environment Department, Govt. of Gujarat, Block No.14, 8th Floor, Sachivalaya, Gandhinagar – 382 010.
3. The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 32.
4. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhinagar-382 010.
5. The Chief Conservator of Forests, Ministry of Environment, Forests & Climate Change, Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No. 3, Ravishankar Nagar, Bhopal-462016 (M.P.)
6. Guard File.
7. Monitoring Cell, MoEF&CC.


(Lalit Kapur)
Director (IA-III)

**COMPLIANCE TO THE STIPULATED
CONDITIONS OF COASTAL REGULATION ZONE
(CRZ) CLEARANCE**

M/S. DAHEJ SEZ LIMITED
SIX MONTHLY REPORT (PERIOD: April 2024 TO September 2024)

Sr. No.	Conditions	Compliance status
A.	SPECIFIC CONDITION	
(i)	There shall be no allotment of plot in 304.85 acres of CRZ area to industries except for port and harbour or any activity requiring foreshore facilities. Such port and harbour projects shall obtain prior approval under EIA notification, 2006 and CRZ notification, 2011. As applicable.	<p>Noted and Agreed</p> <p>M/s. DSL will not allot the plot in 304.85 acres of CRZ area to industries except for port and harbor or any activity requiring foreshore facilities without obtaining prior approval under EIA notification, 2006 and its amended thereafter and CRZ notification, 2011 and amended thereafter.</p>
(ii)	There shall no water logging due to the proposed roads.	<p>Complied.</p> <p>M/s. DSL has provided well developed drainage system at parallel to the both sides of the road and maintaining the same to avoid the water logging.</p> 
(iii)	The runoff from SEZ shall be collected and taken to ETP.	The unit in SEZ have their individual treatment plant within their plot premises and taken care for any run-off as per the norms.
(iv)	All the conditions/recommendations stipulated in Environmental Clearance (EC) issued by Ministry of Environmental & forest for non CRZ area of SEZ vide letter no. 21-1084/2007-IA-III dated 17.03.2010, shall be strictly complied with.	<p>Abide by the condition.</p> <p>M/s. DSL is strictly in compliance with all the conditions/recommendations stipulated in Environment Clearance (EC) issued by MoEF&CC for non CRZ area of SEZ vide their letter no. 21-1084/2007-IA-III dated 17.03.2010 and M/s. DSL is also submitting the compliance report of EC regularly to the concerned regulatory authorities.</p> 

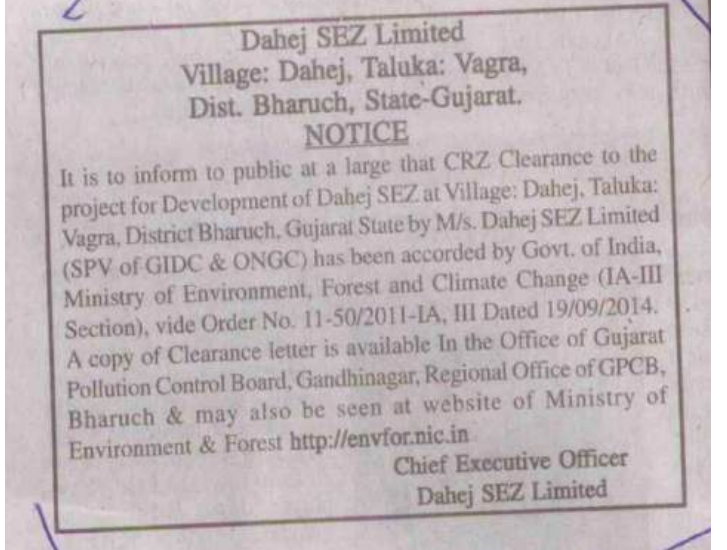
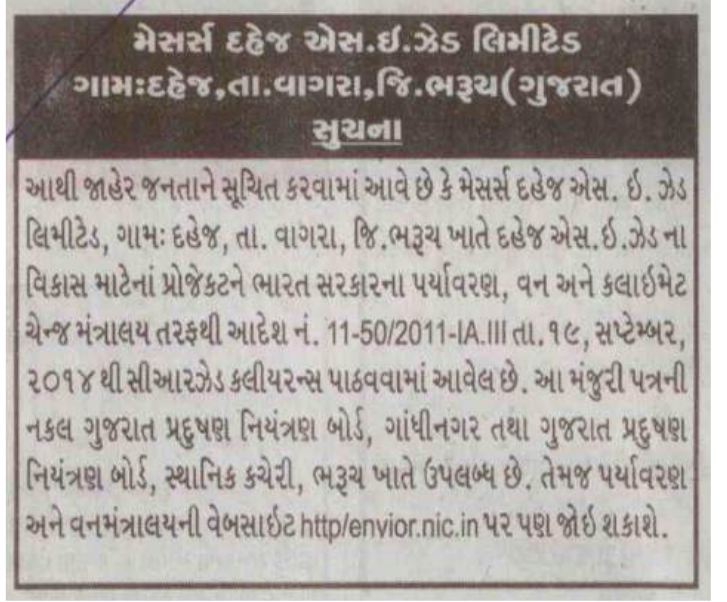
M/S. DAHEJ SEZ LIMITED
SIX MONTHLY REPORT (PERIOD: April 2024 TO September 2024)

Sr. No.	Conditions	Compliance status
		
(v)	All the conditions/recommendations stipulated by Gujarat State Coastal Zone Management Authority vide their letter No. ENV-10-2010-669-E dated 15.12.2011 shall be strictly complied with.	Noted and complied. M/s. DSL is strictly in compliance with the conditions/recommendations stipulated by GCZMA vide their letter no. ENV-10-2010-669-E dated 15.12.2011.
(vi)	All the recommendation of the EIA/EMP and DMP shall be strictly complied with.	Noted and complied. M/s. DSL is complying with all the recommendations of EIA/EMP and DMP.
B.	GENERAL CONDITION	
(i)	The construction of the structure should be undertaken as per the plans approved by the concerned local authorities/local administration, meticulously conforming to the existing local and central rules and regulations including the provisions of coastal Regulation Zone Notification, 2011 and the approved Coastal Zone management Plan of Gujarat.	Noted and complied. The construction of all the structures in the facility is undertaken as per the regulations of GDCR SEZ and in compliance with all the existing local and central rules and regulations along with incorporating the provisions of the Coastal Regulation Zone Notification, 2011 and approved Coastal Zone Management Plan of Gujarat.
(ii)	In the event of any change in the project profile a fresh reference shall be made to the Ministry of Environment, Forests & Climate Change.	Abide by the condition M/s. DSL will carry out changes in the project profile only obtaining necessary approvals from the statutory authorities..
(iii)	This ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.	Noted. M/s. DSL has noted the condition and will take precautionary actions to avoid any non-compliance with respect to EC & CRZ clearance.
(iv)	This ministry or any other competent authority may stipulate any additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.	Abide by the condition. M/s. DSL has taken noted the condition and shall comply with any additional conditions stipulated by statutory authorities, as and when required.
(v)	Full support should be extended to the officers of this ministry's regional office at Bhopal and the offices of the central and Gujarat State Pollution Control Board by the project proponents during	Noted. M/s. DSL is/will extended complete support to the officers of the ministry's Integrated Regional Office at Gandhinagar and the offices of the central and Gujarat Pollution Control

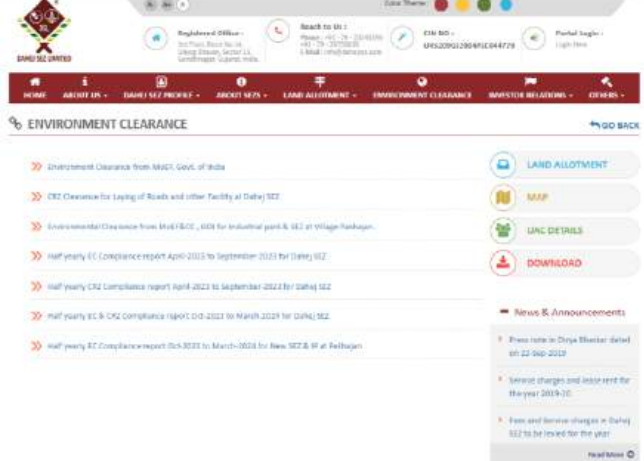
M/S. DAHEJ SEZ LIMITED
SIX MONTHLY REPORT (PERIOD: April 2024 TO September 2024)

Sr. No.	Conditions	Compliance status
	their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.	Board for the inspection & monitoring purpose.
6.	These stipulations would be enforces among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA notification, 2006.	Noted & Agreed.
7.	All other statutory clearance such as approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable, as applicable by project proponents from the respective competent authorities.	Complied. We have obtained all necessary statutory & regulatory clearance from the concerned authorities.
8.	The project proponent should advertise in at least two local Newspapers widely circulated I the region, one of which shall be in the vernacular language informing that the project has been accorded Environment Clearance and copies of clearance letters are available with the Gujarat Pollution Control Board and may also sent to the website of the Ministry of Environment and Forest at https://www.envfor.nic.in . The advertisement should be made within 10 days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.	We have already published the advertisement in two local newspapers after obtaining the EC from MoEF&CC as below: Vernacular language (Gujarati) Name of the publication: 11.10.2014 Date of publication: Divya Bhashkar (Bharuch Edition) Other language (English) Name of publication: Times of India (Ahmedabad Edition) Date of publication: 11.10.2014

M/S. DAHEJ SEZ LIMITED
SIX MONTHLY REPORT (PERIOD: April 2024 TO September 2024)

Sr. No.	Conditions	Compliance status
		 
9.	This clearance is subject to final order of Hon'ble Supreme Court of India in the matter of GOA Foundation Vs. Union of India in Write Petition (Civil) No. 460 of 2004 as may be applicable to this project	Noted.
10.	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted. There was no appeal raised against the Environment Clearance to National Green Tribunal Act,2010.
11.	A copy of the clearance letter shall be sent by the	Complied.

M/S. DAHEJ SEZ LIMITED
SIX MONTHLY REPORT (PERIOD: April 2024 TO September 2024)

Sr. No.	Conditions	Compliance status
	<p>proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.</p>	<p>We have already submitted the copy of Environment Clearance to the concerned authorities and we have also uploaded the copy of EC letter and last submitted compliance report on our website.</p>
<p>12.</p>	<p>The proponent shall upload the status of compliance stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the representative Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely, SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p>	<p style="text-align: center;">Screenshot of website</p>  <p style="text-align: center;">Link: http://www.dahejsez.com/ec/</p>
<p>13.</p>	<p>The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Clearance conditions including results of monitored data (both in hard copies as well as by email) to respective regional Office of MoEF & CC, the respective Zonal office of CPCB and the SPCB.</p>	<p>Abide by the condition.</p> <p>We are bounded to provide full co-operation, facilities and documents/data to the officials from Integrated Regional Office, MoEF, Gandhinagar and the respective Zonal office of CPCB and the SPCB. We are also submitting the complete set or as well as email of required documents with EC compliance to Integrated Regional Office, MoEF, Gandhinagar, the respective Zonal office of CPCB and the SPCB every six months as per the condition of Environment Clearance.</p>
<p>14.</p>	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.</p>	<p>We have already submitted the Environment Statement (Form-V) to GPCB for the financial year 2023-2024 as per the mandatory requirement under EPA, 1986, as amended subsequently.</p>