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

Azadi Ka Amrit Mahotsav

Ref: DSL/Environmental Clearance/ 2025/227 **Date:** 18/11/2025

To,

The Regional Officer

Gujarat Pollution Control Board

Shed No. C-1/119/3, Phase-II,

GIDC Estate, Narmada Nagar, opp.,

Bharuch – 392015, Gujarat

Sub: Submission of Half Yearly compliance report (Period: April 2025 - September 2025) 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 2025 - September 2025**) 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,

J.B. Patel

Chief Executive Officer

For **DAHEJ SEZ LIMITED**

Encl.: a/a

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Azadi Ka Amrit Mahotsav

Ref: DSL/Environmental Clearance/ 2025/ 227 **Date:** 18/11/2025

To,

The Member Secretary

State Level Environment Impact Assessment Authority

C/o. Gujarat Pollution Control Board

Paryavaran Bhavan, Sector-10A,

Gandhinagar - 382010

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Azadi Ka Amrit Mahotsav

Ref: DSL/Environmental Clearance/ 2025/ 227 **Date:** 18/11/2025

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

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J.B. Patel

Chief Executive Officer

For **DAHEJ SEZ LIMITED**

Encl.: a/a

DAHEJ SEZ LIMITED

Report on Compliances to Environment Clearance

April 2025 to September 2025

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 2025 - September 2025]

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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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.

DATA SHEET

1.	Project type: River-Valley / Mining / Industry / Thermal / Nuclear, Other (specify)	:	**Development of Special Economic Zone (SEZ)**
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.1110.71 (ten.)**

S. No.	Particulars	Area (ha.) (ten.)
1.	Industrial Plots in Processing Area	817
2.	Plots in Non-processing Area	25.28
3.	Roads	75
4.	Corridor/Service/Green belt	167.56
5.	Common Plots	25.87
	Total	**1110.71**

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

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 estimates: 855.16 Cr. (Till March 2025)**

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)	
		2024	2025
1.	Effluent Treatment Facility	4.37	4.37
2.	Green belt development	77.97	12.58
3.	Environment Audit & Monitoring	9.65	77.97
	Total	**91.99**	**94.95**

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. 121.82 Lakhs**

10. Forest Land requirement **NOT APPLICABLE (THE LAND IS ACQUIRED AND ALLOTED 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 : ----

	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 (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)	:	**Last Six-Monthly report was submitted by email May 2025**

COMPLIANCE TO CONDITIONS STIPULATED IN ENVIRONMENT CLEARANCE

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-138034 letter no. GPCB/BRCH-B/CCA-125/ID-25308/853585 dated 10/02/2025, valid up to 04.08.2029. 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 – 30th 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.

(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 from competent authority. The list of allottees 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, many 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.

	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.

	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

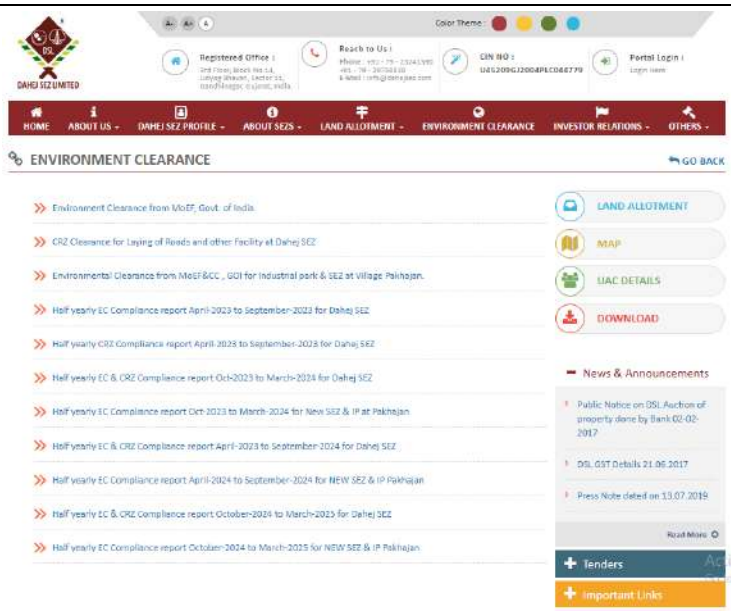
	appropriate thermal insulation material to fulfil requirement.	fulfill requirement
(xxx)	Opaque wall should meet prescriptive requirement as per energy conservation building code which is proposed to be mandatory for all air-conditioned spaces which is proposed to be mandatory for all air-conditioned 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/recycled sewage water for plantation. Schematic Flow Diagram of STP is enclosed as **Annexure-6**.

	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 (April' 2025 to September' 2025) 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. 2,27,355 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,

	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.

	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.

8.	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.**
9.	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.	**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.**
10.	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.	**Noted & Agreed.**
11.	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.	**Noted & Agreed.** There was no appeal raised against the Environment Clearance to Environment Appellate Authority.
12.	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.	**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. **Photograph of website**

13.	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, NOX (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.	 **Link:** http://www.dahejsez.com/ec/ The compliance report for the period October 2024 to March 2025 has already been submitted to the Ministry's Integrated Regional Office, Gandhinagar, via email. Acknowledge copy of the same is attached here as **Annexure-8**.
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 EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	**Complied.** We have already submitted the Environment Statement (Form-V) to GPCB for the financial year 2024-2025 as per the mandatory requirement under EPA, 1986, as amended subsequently. Copy of the same is attached here as **Annexure-9**.

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

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/ 24240

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).

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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 confirming 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 seep 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 & nearly 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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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

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 plan (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.

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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 & improrvious 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 un 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 complied 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 (SO_2, NOX, 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_2S	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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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)

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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. Doiti)
ENVIRONMENTAL ENGINEER

6

GPCB

GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

Inward No. 249
Date : 21/2/2025
Dahej SEZ Limited,Dahej

By R.P.A.D.

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A)
CCA NO: AWH-138034

NO: GPCB/BRCH-B/CCA- 125/ID-25308/853585 DT: 10/02/2025

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 6(2) of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the E(P)Act-1986.

And whereas Board has received consolidated application dated 06/06/2024 and inward no. **312776** for the consolidated consent and authorization **(CC & A)** of this Board under the provisions / rules of the aforesaid Acts, Consolidated Consent & Authorization is hereby granted as under.

CONSOLIDATED 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- 138034 date of issue 29/10/2024.**
2. The consent under Water Act –1974, Air Act – 1981 and Authorization under Environment (Protection) Act, 1986 **shall be valid up to 04/08/2029** for the use of outlet for the discharge of treated sewage on land for Gardening/Horticulture propose from Dahej SEZ Ltd at GIDC Dahej, Vill: Dahej, Tal: Vagra, Dist: Bharuch.

Specific conditions:

a) Unit shall comply with all the conditions of obtained EC No. 21-1084/2007/IA.III dated 17/03/2010.
b) Unit shall not carry out any construction activities and production which attracts provisions of Environment Clearance without obtaining EC from competent authority under EIA notification dated 14/09/2006 and amended thereafter.
c) The unit shall affix of water meters as per Section 4(1) 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.
d) The unit shall affix of water meters as per Section 4 (1) 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.
e) Adequate measures shall be taken to control odour problem from STP/other ancillary operations.

f) Applicant shall ensured & undertake on Rs. 300 stamp paper that it has no outlet in GIDC U/G drain.

g) Applicant shall strictly/fulfill the condition given in NOC (CTE) issued vide letter no: GPCB/BRCH/NOC-3633/27240 dated: 22/09/2008.

3. CONDITION UNDER THE WATER ACT:

3.1 The domestic water consumption shall not exceed 23 KL/day.

3.2 The domestic effluent generation from SEZ shall not exceed 20 KL/day.

3.3 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.

Parameters	Standards
pH	5.5-9.0
BOD	10 mg/l
Total Suspended Solids	20 mg/l
COD	50 mg/l
Nitrogen-Total	10 mg/l
Fecal Coliform	Desirable-100 MPN/100 ml Permissible- 230 MPN/100 ml

3.4 Unit shall develop adequate gardening/plantation area within premises for utilization of treated domestic wastewater.

3.5 The treated sewage conforming to the above standards shall be utilized for plantation/ gardening purpose within premises.

3.6 Unit shall make fixed arrangement for discharge of the treated sewage from their Final collection tanks to on-land disposal point/ area in factory premises for plantation/ gardening purpose. Unit shall not keep any by-pass line or system or loose or flexible pipe line for discharge of the effluent.

3.7 Flow meter shall be installed at the outlet of STP.

3.8 Unit shall affix of water meters 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 unit until the contrary is proved.

3.9 Unit shall provide adequate / safe treated sewage sampling facility for the treated sewage being stored in final collection / discharge tank of STP or being discharged on land.

3.10 Unit shall have to keep accurate records of quality & quantity of effluent discharged on-land on day-to-day basis. Separate logbook shall be maintained for recording the data & shall be made available for inspection as & when asked.

3.11 Adequate plantation shall be carried out all along the periphery of the premises.

3.12 In case of change of ownership/ management the name and address of the new ownership/ partners/ directors/ proprietor should immediately be intimate to the Board. Also any change in equipment or working conditions as mentioned in the consents form/ order should immediately be intimated to this Board.

3.13 The Board reserves the right to review and/or revoke the consent and / or make modifications in the conditions which it seems fit in accordance with provisions of Water Act-1974.

4. CONDITIONS UNDER THE AIR ACT:

4.1 The following shall be used as fuel:

Sr. No.	Name of fuel	Quantity
1.	Diesel	40 Lit/ hr

4.2 The flue gas emission through stack shall conform to the following standards:

Stack No.	Stack attached to	Stack Height in Meter	Parameter	Permissible limit
1	D. G. Set (Cap: 62.5 KVA)	11 m	PM SO_2 NO_x	150 mg/Nm³ 100 ppm 50 ppm

4.3 There shall be no process gas emission from the manufacturing process and any other ancillary industrial operation through various stacks/ vent of reactors, process, vessel from plant premises.

4.4 The concentration of the following parameters in the ambient air within the premises of the unit shall not exceed the limits specified hereunder.

Sr. No.	Parameters	Permissible Limit (microgram /m³)	
		Annual	24 Hours Average
1.	Particulate Matter (PM_{10})	60	100
2.	Particulate Matter ($PM_{2.5}$)	40	60
3.	Sulphur Dioxides (SO_2)	50	80
4.	Nitrogen Dioxides (NO_2)	40	80

- **Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.**
- **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.**

4.5 Unit shall operate industrial plant/air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified as above.

4.6 The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified as above.

4.7 Unit 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.

4.8 Unit 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 75 dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

4.9 All efforts shall be made to control VOC emissions and odor problem, if any.

4.10 All measure for the control of environment pollution shall be provided before commencing production.

5 GENERAL CONDITIONS: -

5.1 In case of change of ownership/management the name and address of the new ownership/. partners/directors/proprietor should immediately be intimate to the Board. Also any change in equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.

5.2 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.

5.3 Unit shall put up at the entrance a board displaying the name of unit, particulars of the products/ process and the name of proprietor/partners /directors of the unit and the electricity consumer number as on the record of DGVCL.

6. TERMS AND CONDITIONS OF AUTHORISATION:

6.1 The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.

6.2 The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the Gujarat Pollution Control Board.

6.3 The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.

6.4 Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.

6.5 The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;

6.6 The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"

6.7 It is the duty of the authorised person to take prior permission of the Gujarat Pollution Control Board to close down the facility.

6.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.

6.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.

6.10 The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.

6.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if, any.

6.12 An application for the renewal of an authorization shall be made as laid down under Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016.

6.13 Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.

6.14 Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

6.15 Unit shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No. 657 of 1995 dated 14th October 2003.

6.16 Unit shall have to display on-line data outside the main factory gate with regard to and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises.

6.17 Unit shall have to manage used or spent oil; empty or discarded barrels / containers / liners contaminated with hazardous chemicals / wastes, process waste as per Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the E(P)Act-1986 and shall apply Authorization for all applicable waste.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

(M. R. Macwana)
UNIT HEAD- BHARUCH

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/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, SO_2, NOx (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.

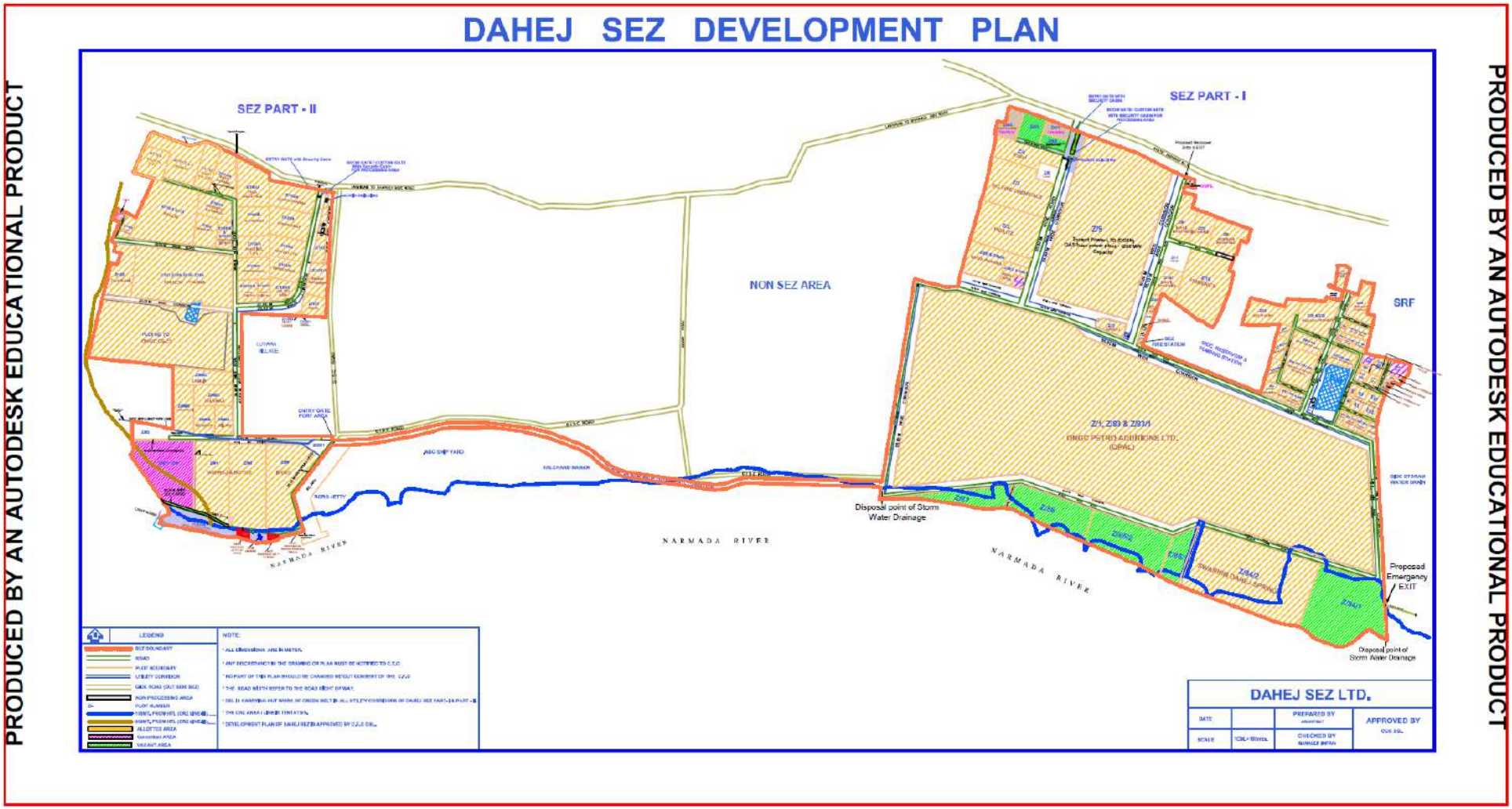
14. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website 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
SEZ PART - II
SEZ PART - I
NON SEZ AREA
SRF
NARMADA RIVER
NARMADA RIVER
Disposal point of Storm Water Drainage
Proposed Emergency EXIT
Disposal point of Storm Water Drainage
DAHEJ SEZ LTD.
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 (500m 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

N

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.*

SCALE 1 : 20,000

0 250 500 1,000 1,500 2,000 M

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	
VERIFIED BY	
APPROVED BY	Prof. D. Thirumalaivasan, B.E.M.Tech.,Ph.D., Director, Institute of Remote Sensing, Anna University, Chennai-600 025.

Inward No. 835
Date 14-3-22
DCL Gandhinagar

Map Set - 1
12 to 12

Sr. No.	Name & Address	Plot No.	Approx. Area (in hects)
Part –I Processing Area			
1	Pidilite Industries Ltd.	Z/2	20.15
2	DIC Fine Chemicals Pvt. Ltd.	Z/3	20.13
3	Neesa Infrastructure Ltd.	Z/88/3	1.87
	Neesa Infrastructure Ltd.	Z/88/2	1.19
4	Indofil Industries Limited (Dahej SEZ Unit)	Z/8	6.26
5	Firmenich Aromatics Production (India) Pvt. Ltd.	Z/10	21.91
6	Glomet Technologies Pvt. Ltd.	Z/22	0.93
7	Meghmani Industries Ltd.	Z/6	7.57
		Z/10/1	0.32
8	Sarju Impex Limited	Z/13	2.62
9	Meghmani Organics Ltd.	Z/31 Z/32	8.71
10	Meghmani Unichem Limited Liability Partnership	Z/34	5.39
11	Panama Petrochem Ltd.	Z/23 & Z/24	1.62
12	Torrent Energy Ltd.	Z/9	110.72
13	Torrent Power Ltd.	Z/21	1.81
14	Sigachi Industries Pvt. Ltd.	Z/16	1.08
15	P&J Cretechem (P) Ltd.	Z/17 Z/18	2.07
16	Ramdev Chemical Industries	Z/19 Z/20	2.00
17	Gujarat Dyestuff Industries	Z/25 Z/26 Z/27 Z/28	7.44
18	Sun Pharmaceutical Industries Ltd.	Z/15	8.93
19	CS Performance Chemicals Pvt. Ltd.	Z/33	2.06
20	CS Performance Chemicals Pvt. Ltd.	Z/76 Z/77	1.00
21	Roxul Rockwool Insulation India Pvt. Ltd.	Z/4	9.42
22	Aries Colorchem Pvt. Ltd.	Z/29 Z/30	3.49
23	Gujarat State Petronet Limited	Z/7	0.55
24	Breeze Intermediates Pvt. Limited	Z/39	0.50
25	Bharat Sanchar Nigam Limited	Part of Plot from Z/14/1	0.03
26	Shiva Pharma Chem Limited	Z/88 Z/88/4	11.04
27	Thema Nutriment & Packaging Pvt. Ltd.	Z/73 Z/74 Z/75	1.65
28	APPL Industries Ltd.	Z/45 Z/46 Z/47	3.17
29	Euclid Constructions Limited	Z/68	0.27
30	Indo Baijin Chemicals Pvt. Ltd.	Z/7/1	5.00
31	Indofil Industries Ltd.	Z/12/1	5.02
32	Arham Biochem Private Limited	Z/43 Z/44	1.25
33	Kumar Organic Products Ltd.	Z/35 Z/36 Z/37 Z/38	2.12
34	Accent Microcell Pvt. Ltd.	Z/59 Z/60 Z/63 Z/64	2.00
35	Unique Techno Associates Pvt. Ltd.	Z/41 Z/42	1.00
36	Babaji Shivram Clearing & Carriers Pvt. Ltd.	Z/70	0.70
37	Mascon Color Chem Pvt. Ltd.	Z/12/2	1.29
38	Camlin fine Sciences Ltd	Z/78 Z/79	1.00

Sr. No.	Name & Address	Plot No.	Approx. Area (in hects)
39	Astra Specialty Compounds India Pvt. Ltd.	Z/56 Z/57 Z/58 Z/65 Z/66 Z/67	2.96
40	Prakash Chemicals International Pvt. Ltd.	Z/53 Z/54	1.25
41	Annie Chemie Pvt. Ltd.	Z/40	0.50
42	Ana Industries Pvt. Ltd.	Z/88/1	1.02
43	Axiom Chemicals Pvt. Ltd.	Z/80	0.50
44	Omgene Life Science Pvt. Ltd.	Z51 & Z/52	1.25
45	Soft Rainbow Pvt. Ltd.	Z/71 & Z/72	2.20
46	CS Specialty Chemicals Ltd.	Z/81 & Z/82	0.98
47	Vidhi Specialty Food Ingredients Ltd	Z/61 & Z/62	1.00
48	Insecticides (India) Ltd.	Z/50	0.63
49	Agro Fine Sciences Corporation	Z/86/C	2.50
50	Sigachi Inustries Pvt. Ltd.	Z/85/1/A	8.00
51	Fame Biofuels Pvt. Ltd.	Z/87/A	1.81
52	Steamhouse India Ltd.	Z/85/2/A1	2.00
53	Meghna colour chem Pvt. Ltd.	Z/85/2/A2	1.50
54	Uma Corporation	Near Customs gate Part-1	0.01
55	CS Performance Chemicals Pvt. Ltd.	Z/86/B	5.95
56	Heliosol Novo Pvt. Ltd.	Z/86/A/1	3.21
57	Transport India 3PL	Z/85/2/A	1.75
58	Vasu Industries Private Limited	Z/55	1.16
Sub-Total (A)			**325.46**
Part-II Processing Area			
1	Oil and Natural Gas Corporation Ltd. C2-C3 Plant – Dahej	7-D	59.80
2	Godrej & Boyce Mfg. Co. Ltd.	Z/90	22.48
		Z/91	18.71
3	ISGEC Heavy Engineering Ltd.	Z/89	22.51
4	Rallis India Ltd.	Z/110	8.31
		Z/112	15.54
5	Torrent Power Ltd.	Z/101/1	4.71
6	Torrent Pharmaceuticals Ltd.	Z/104, Z/105, Z/106	27.57
		Z/107	9.84
7	Fermenta Biotech Ltd.	Z/109/B Z/109/C	3.06
8	Gujarat State Petronet Limited	Z/112/A	0.60
9	Coromandal International Ltd.	Z/103/G	5.16
10	Bharat Sanchar Nigam Limited	Part of Plot from Z/100/1	0.07
11	Hindusthan M-I Swaco Limited	Z/109/A	5.43
12	Alivus Life Sciences Limited	Z/103/I	6.71
13	Tega Industries Ltd.	Z/103/J	9.87
14	Tatva Chintan Pharma Chem Pvt. Ltd.	Z/103/F/I	2.00
		Z/103/F/2	3.17
15	Benzo Chem Industries Pvt. Ltd.	Z/103/D	4.76

Sr. No.	Name & Address	Plot No.	Approx. Area (in hects)
16	Aarti Industries Ltd.	Z/103/H	5.01
17	Ajanta Pharma Limited	Z/103/A	8.50
18	RAKS Pharma Pvt. Ltd.	Z/111/A	6.72
19	Holtec Asia Pvt. Ltd.	Z/103/E	3.67
20	Milan Laboratories (I) Pvt. Ltd.	Z/96/A	3.76
21	Dorf Ketal (I) Pvt. Ltd.	Z/108	8.65
22	Thermax Ltd.	Z/96/C	6.00
23	Neogen Chemicals Ltd.	Z/109	4.98
24	Yashashvi Rasayan Pvt. Ltd.	Z/96/E	7.11
25	Camlin fine Sciences Ltd	Z/96/D	6.75
26	HLE Engineers Pvt. Ltd.	Z/96/B	4.35
27	IPG Asia Pvt. Ltd.	Z/103/B	8.20
28	Trustin Tape Pvt. Ltd.	Z/111/E	5.98
29	Hema Dyechem Pvt. Ltd.	Z/112/B	1.98
30	Aarti Industries. Ltd.	Z/103/C	5.47
31	Roha Dyechem Pvt Ltd.	Z/101	3.57
32	Aarti Industries. Ltd.	Z/111/C & D	5.34
		Z/111/B	11.50
33	Neogen Ionics Ltd.	Z/109/D	0.65
34	Uma Corporation	Near Customs gate Part-2	0.01
Sub Total (B)			**338.50**
Part-III – Non-Processing Area			
1	Sapthagiri Hospitality Pvt. Ltd.	Z/4/3	4.10
2	Shrikunj Hospitality Pvt. Ltd. (Taken Over from Cambay SEZ Hotels Pvt. Ltd.)	Z/4/1	2.63
3	ISGEC Heavy Engineering Ltd.	Z/94/C	0.61
4	Godrej & Boyce Mfg. Co. Ltd.	Z/94/D	0.83
Sub Total (C)			**8.17**
Grand Total (A + B + C)			**672.13**

Copy of comprehensive Monitoring Report

Period: April 2025 to September 2025

ENVIRONMENT MONITORING REPORT

Period: April 2025 to September 2025

FOR

DAHEJ SEZ LIMITED

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-15802)
E-mail: eco@ecshripad.com
Tel No: +912612231630

INDEX

1. METEOROLOGICALMONITORING REPORT

Period: April 2025 to September 2025

FOR

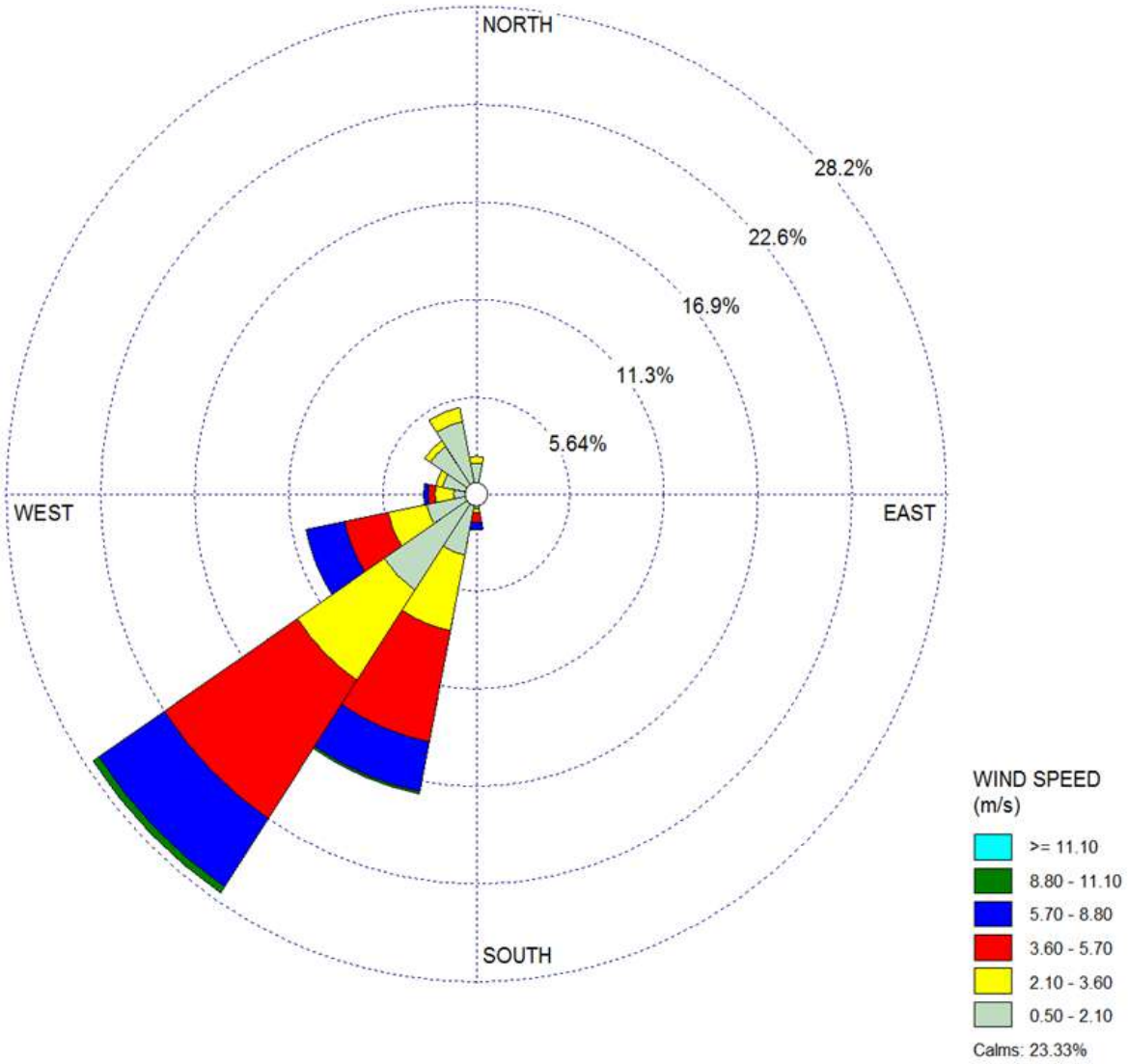
DAHEJ SEZ LIMITED

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
SEZ DAHEJ

DISPLAY:
Wind Speed
Direction (blowing from)



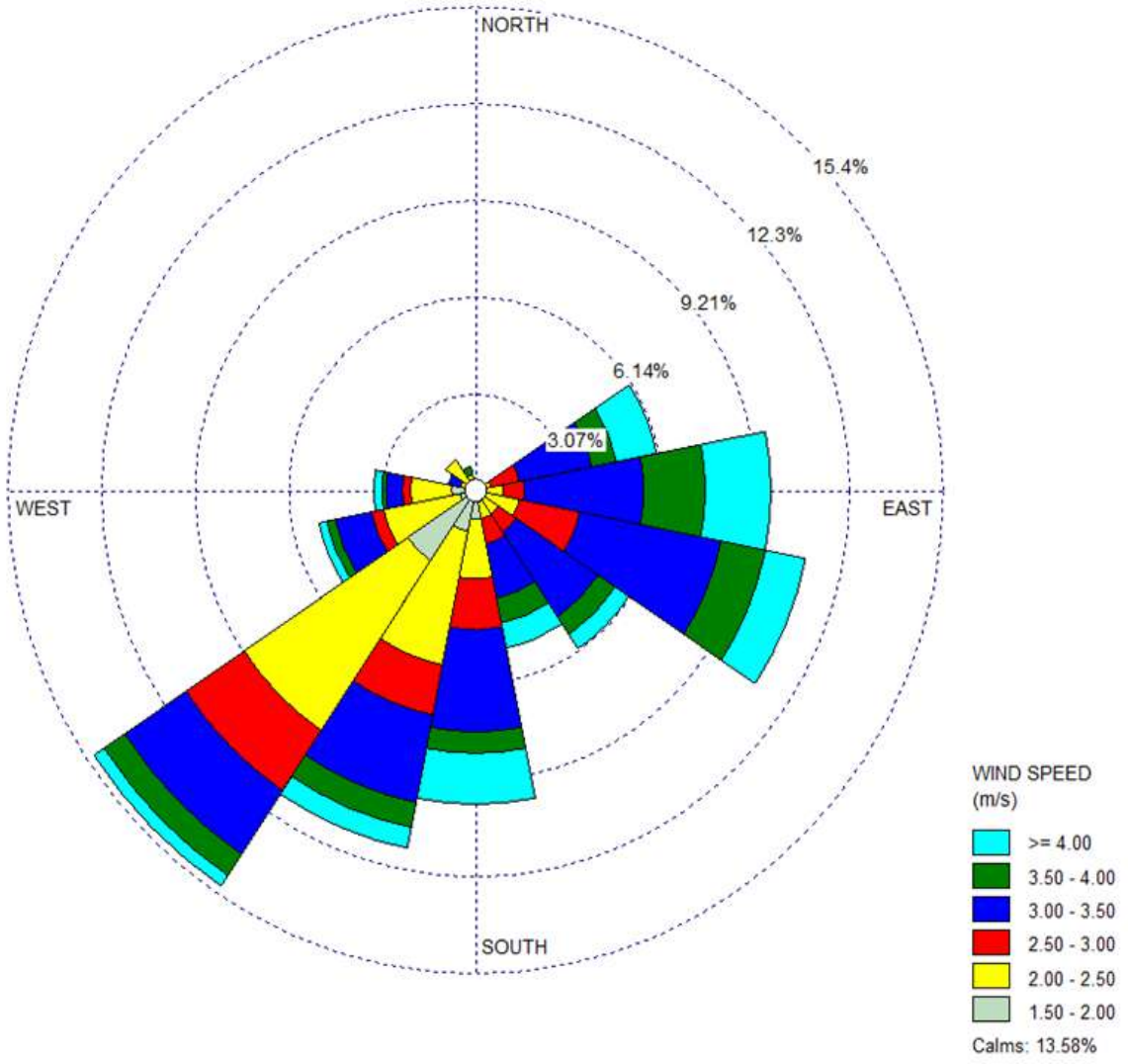
COMMENTS:	DATA PERIOD: **Start Date: 1/4/2025 - 00:00** **End Date: 30/4/2025 - 23:00**	COMPANY NAME: **M/s.Ecosystem Resource Management Pvt.Ltd**	
		MODELER: **M/s.SEZ DAHEJ.**	
	CALM WINDS: **23.33%**	TOTAL COUNT: **720 hrs.**	
	AVG. WIND SPEED: **2.54 m/s**	DATE: **2/5/2025**	PROJECT NO.: **1**

WRPLOT View - Lakes Environmental Software

1.1. WIND ROSE DIAGRAM: APRIL 2025

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

DISPLAY:
Wind Speed
Direction (blowing from)



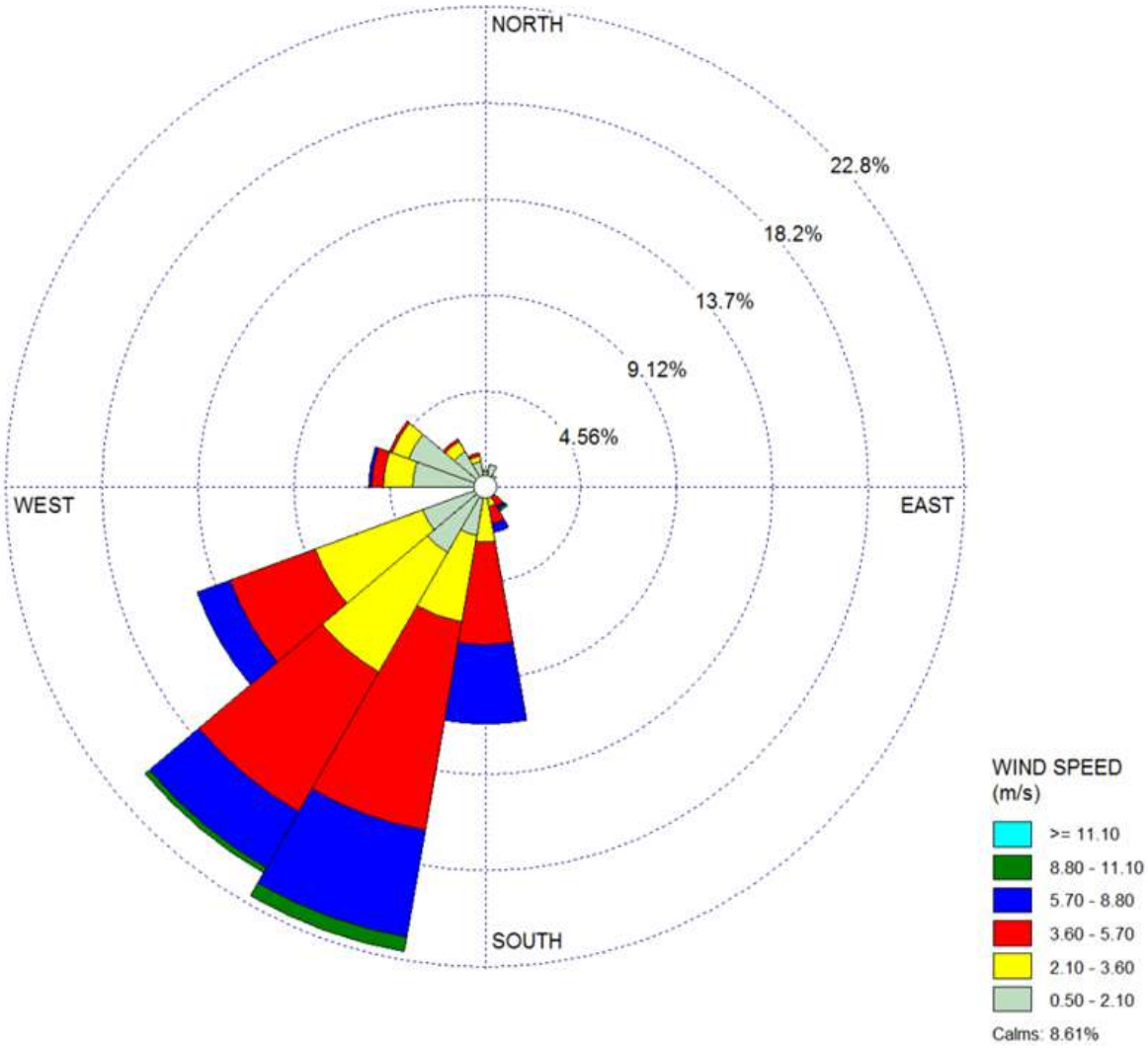
COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 1/5/2025 - 00:00 **End Date: 31/5/2025 - 23:00**	**M/s.Ecosystem Resource Management Pvt.Ltd**	
		MODELER: **M/s.SEZ**	
	CALM WINDS: **13.58%**	TOTAL COUNT: **744 hrs.**	
	AVG. WIND SPEED: **2.53 m/s**	DATE: **4/6/2025**	PROJECT NO.: **1**

WRPLOT View - Lakes Environmental Software

1.2. WIND ROSE DIAGRAM: MAY 2025

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

DISPLAY:
Wind Speed
Direction (blowing from)



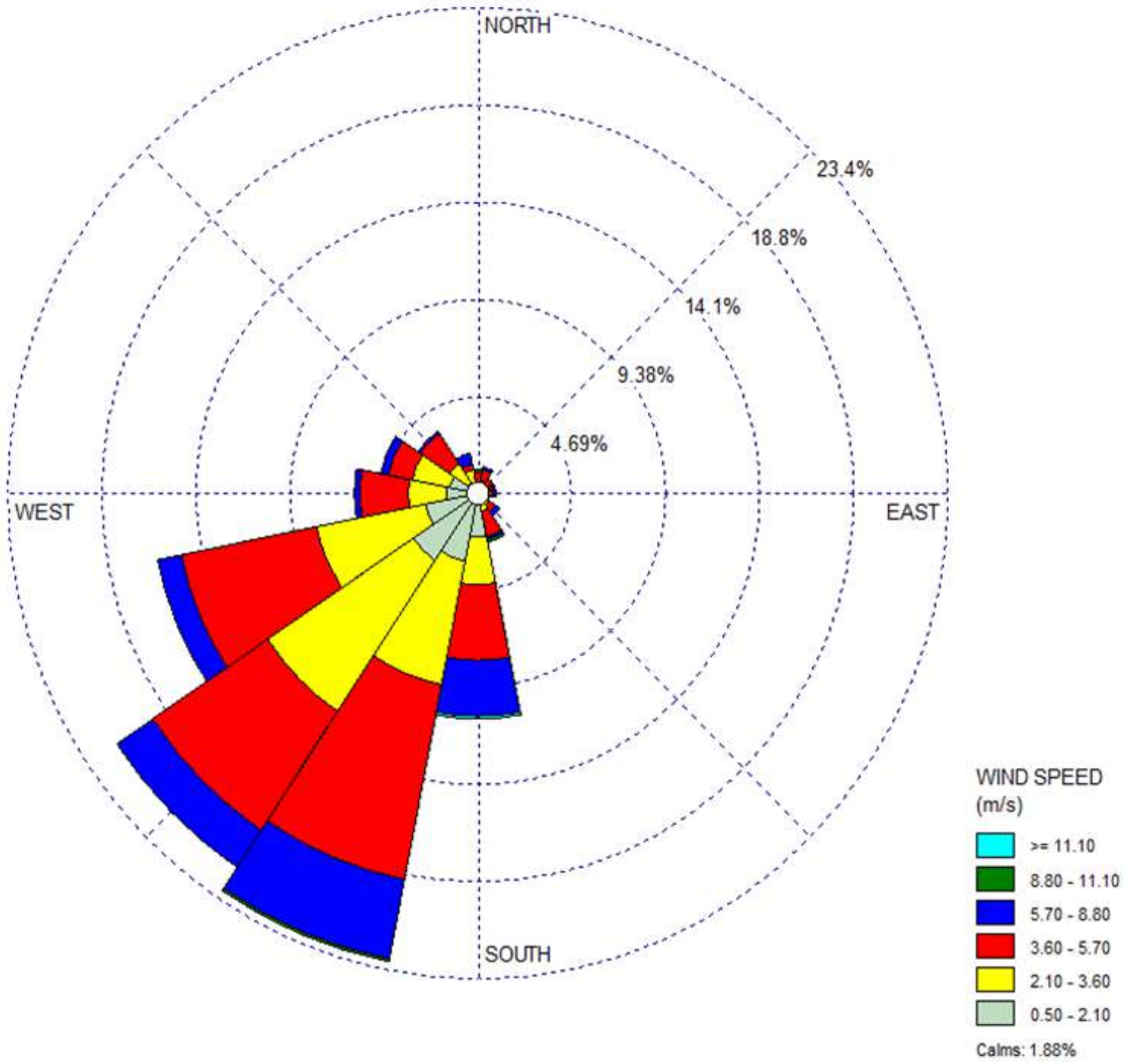
COMMENTS:	DATA PERIOD: **Start Date: 1/6/2025 - 00:00** **End Date: 30/6/2025 - 23:00**	COMPANY NAME: **M/s.Ecosystem Resource Management Pvt.Ltd**	
		MODELER: **M/s.DAHEJ SEZ**	
	CALM WINDS: **8.61%**	TOTAL COUNT: **720 hrs.**	
	AVG. WIND SPEED: **3.41 m/s**	DATE: **1/7/2025**	PROJECT NO.: **1**

WRPLOT View - Lakes Environmental Software

1.3. WIND ROSE DIAGRAM: JUNE 2025

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

DISPLAY:
Wind Speed
Direction (blowing from)



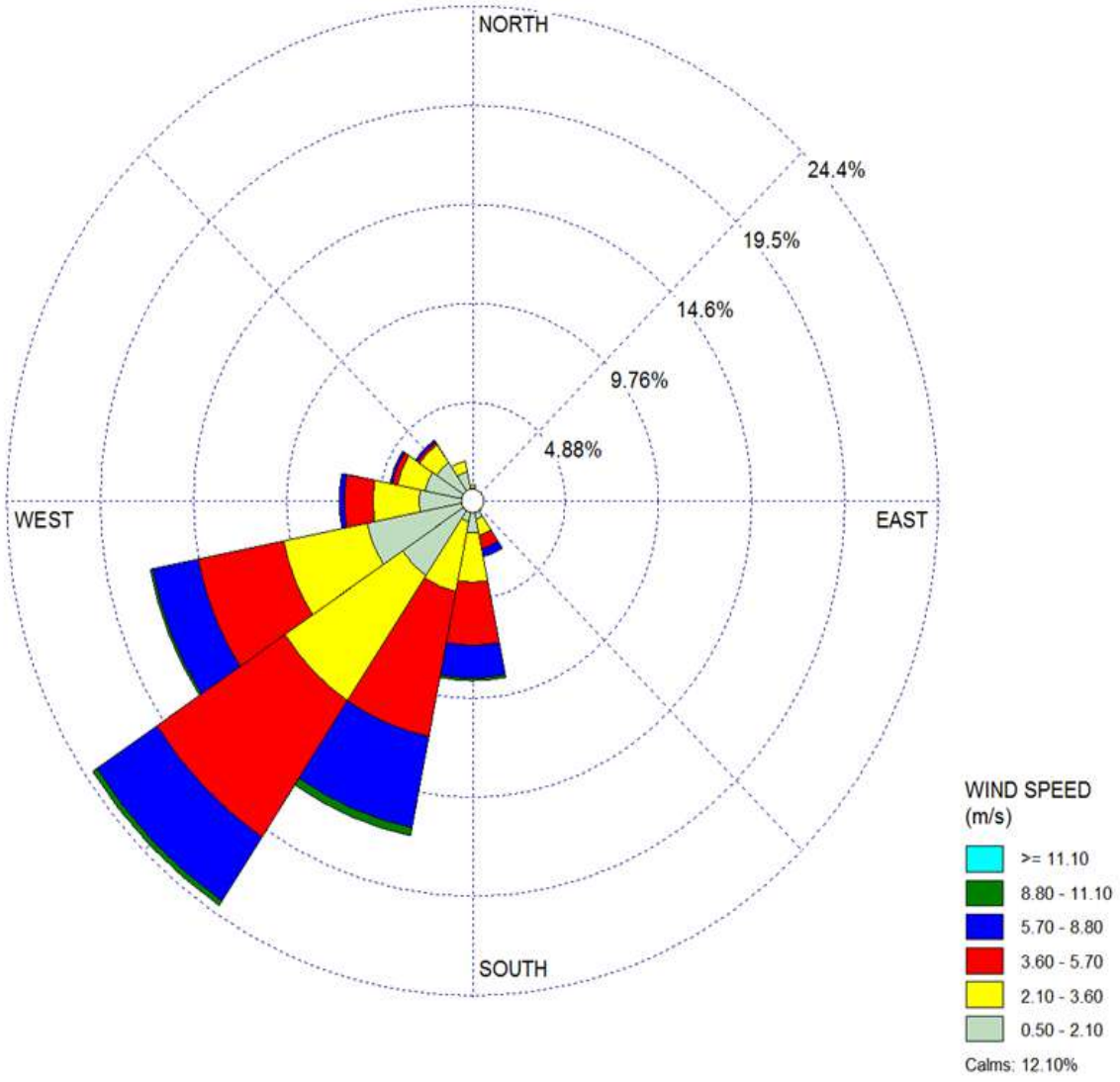
COMMENTS: ECO	DATA PERIOD: **Start Date: 1/7/2025 - 00:00** **End Date: 31/7/2025 - 23:00**	COMPANY NAME: **M/s.Ecosystem Resource Management Pvt.Ltd**	
		MODELER: **M/s.DAHEJ SEZ**	
	CALM WINDS: **1.88%**	TOTAL COUNT: **744 hrs.**	
	AVG. WIND SPEED: **3.67 m/s**	DATE: **3/8/2025**	PROJECT NO.: **1**

WRPLOT View - Lakes Environmental Software

1.4. WIND ROSE DIAGRAM: JULY 2025

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

DISPLAY:
Wind Speed
Direction (blowing from)



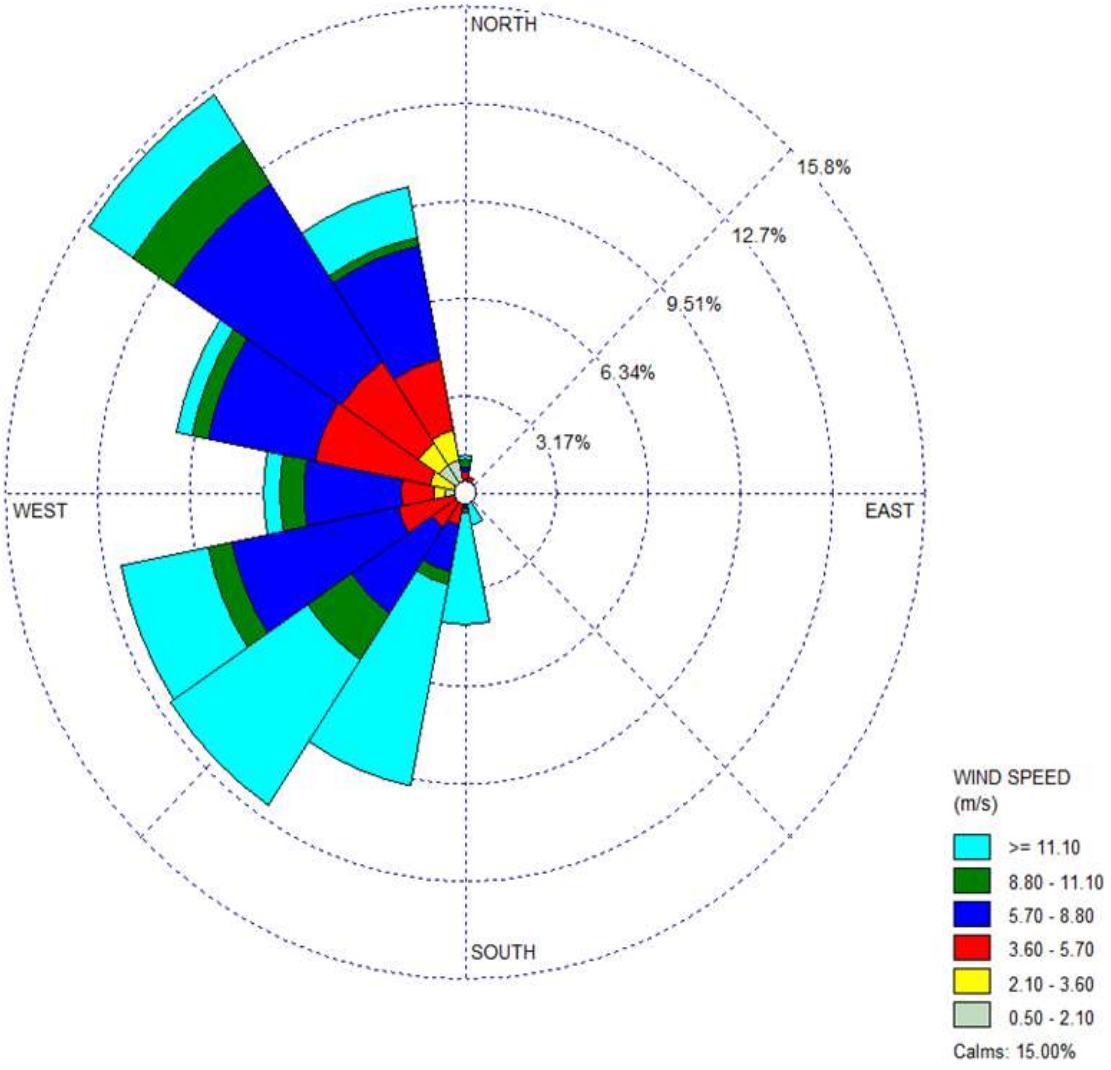
COMMENTS: ECO	DATA PERIOD: **Start Date: 1/8/2025 - 00:00** **End Date: 31/8/2025 - 23:00**	COMPANY NAME: **M/s.Ecosystem Resource Management Pvt.Ltd**	
		MODELER: **M/s.DAHEJ SEZ**	
	CALM WINDS: **12.10%**	TOTAL COUNT: **744 hrs.**	
	AVG. WIND SPEED: **3.18 m/s**	DATE: **5/9/2025**	PROJECT NO.: **1**

WRPLOT View - Lakes Environmental Software

1.5. WIND ROSE DIAGRAM: AUGUST 2025

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

DISPLAY:
Wind Speed
Direction (blowing from)



COMMENTS: ECO	DATA PERIOD: **Start Date: 1/9/2025 - 00:00** **End Date: 30/9/2025 - 23:00**	COMPANY NAME: **M/s.Ecosystem Resource Management Pvt.Ltd**	
		MODELER: **M/s.DAHEJ SEZ**	
	CALM WINDS: **15.00%**	TOTAL COUNT: **720 hrs.**	
	AVG. WIND SPEED: **7.22 m/s**	DATE: **4/10/2025**	PROJECT NO.: **1**

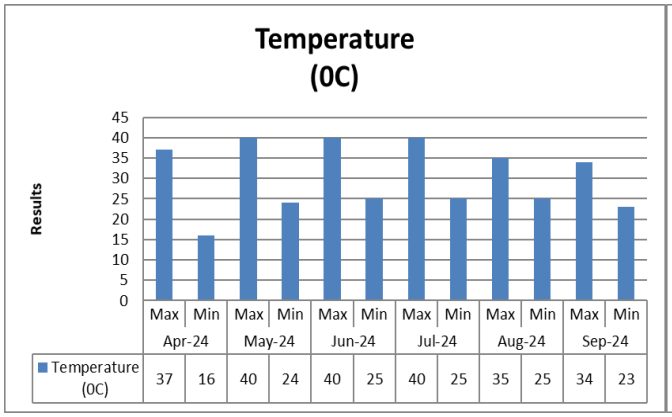
WRPLOT View - Lakes Environmental Software

1.6. WIND ROSE DIAGRAM: SEPTEMBER 2025

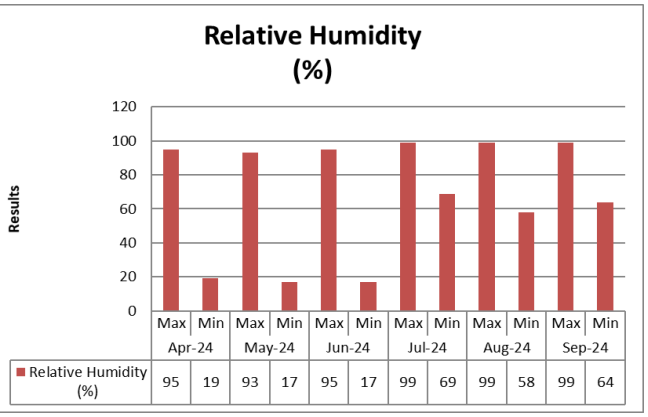
1.7. Meteorological Monitoring Data (April 2025 to September 2025)

Location: SEZ-I Area Latitude: 21°42'55"N Longitude: 72°39'22"E		Period: April 2025 to September 2025 Instrument: AW002 (During : April 2025 to September 2025)				
Month	**Max./Min.**	**Temperature (^{0}C)**	**Relative Humidity (%)**	**Wind Direction (degrees)**	**Wind Speed (km/h)**	**Rain (mm)**
April 2025	Max.	41.0	99.0	338.0	36.0	0
	Min.	24.0	21.0	0.0	0.0	0
May 2025	Max.	36.0	99.0	338.0	17.0	2
	Min.	20.0	43.0	23.0	0	0
June 2025	Max.	38.0	99.0	338.0	37	1.4
	Min.	26.0	57.0	0.0	0	0
July 2025	Max.	35.0	99.0	338.0	53	51.9
	Min.	25.0	69.0	0.0	0	0
August 2025	Max.	35.0	99.0	338.0	36	36.6
	Min.	25.0	58.0	0.0	0	0
September 2025	Max.	34.0	99.0	338.0	33	75
	Min.	23.0	64.0	0.0	0	0
Max.		41.0	99.0	338.0	53	75
Min.		20.0	21.0	0.0	0	0

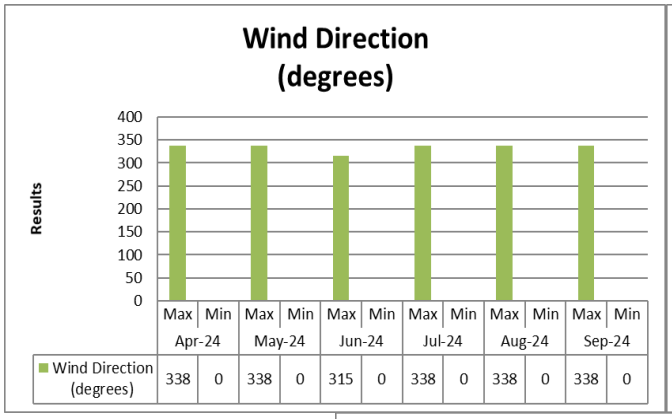
Parameter wise Graphical Representation of Meteorological data



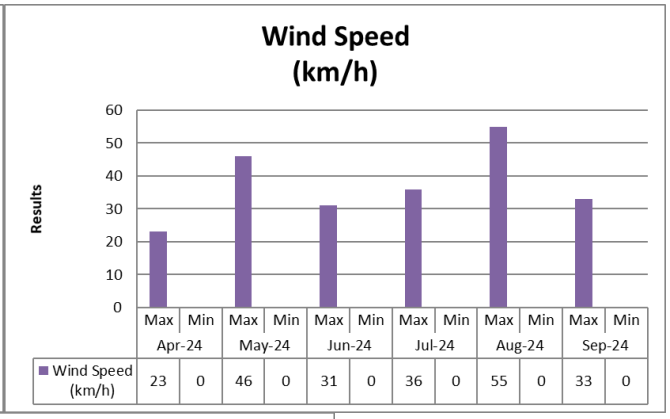
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24	
Temperature (0C)	37	16	40	24	40	25	40	25	35	25	34	23



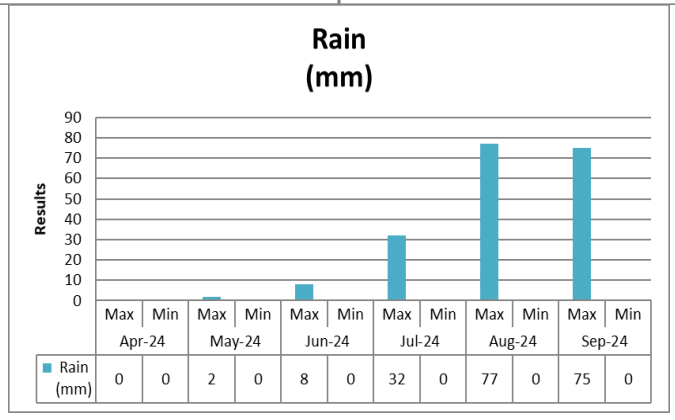
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24	
Relative Humidity (%)	95	19	93	17	95	17	99	69	99	58	99	64



	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24	
Wind Direction (degrees)	338	0	338	0	315	0	338	0	338	0	338	0



	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24	
Wind Speed (km/h)	23	0	46	0	31	0	36	0	55	0	33	0



	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	Apr-24		May-24		Jun-24		Jul-24		Aug-24		Sep-24	
Rain (mm)	0	0	2	0	8	0	32	0	77	0	75	0

2. AMBIENT AIR QUALITY MONITORING REPORT

Period: April 2025 to September 2025

FOR

DAHEJ SEZ LIMITED

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

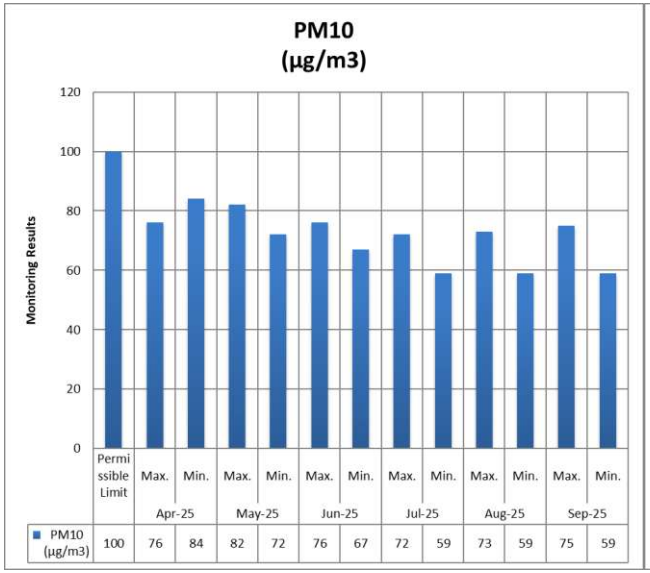
Located at
Dahej SEZ Part - I
At & Post: Dahej, Taluka – Vagra,
Dist. Bharuch – 392 140, Gujarat

2.1. Ambient Air Quality Monitoring Data, SEZ-I, Admin Building (April 2025 to September 2025)

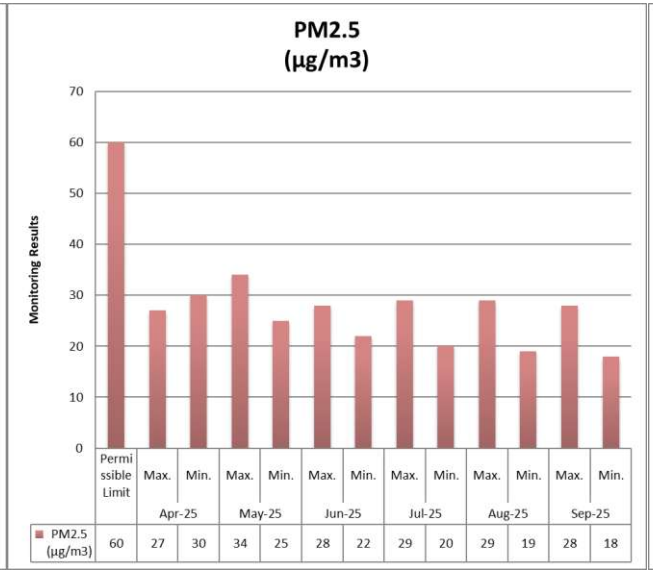
Location: SEZ-I, Admin Building Latitude: 21.7111303 N Longitude: 72.6073576 E	Period: April 2025 to September 2025 Instrument: PM10 & PM2.5 COMBO SAMPLER (Sr. No. 200604138) [During April 2025 to September 2025]

Month	Max./Min.	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_X ($\mu g/m^3$)	CO ($\mu g/m^3$)	Total VOC as Isobutylene (ppm)
April 2025	Max.	76.0	27.0	19.9	16.7	336.0	1.5
	Min.	84.0	30.0	25.4	23.5	362.0	1.8
May 2025	Max.	82.0	34.0	25.4	23.1	364.0	1.8
	Min.	72.0	25.0	16.2	12.6	310.0	1.2
June 2025	Max.	76.0	28.0	23.5	23.4	368.0	1.6
	Min.	67.0	22.0	12.6	12.5	269.0	1.2
July 2025	Max.	72.0	29.0	19.5	18.2	372.0	1.8
	Min.	59.0	20.0	10.5	8.5	312.0	1.1
August 2025	Max.	73.0	29.0	27.6	18.7	365.0	2.4
	Min.	59.0	19.0	14.9	10.5	316.0	1.3
September 2025	Max.	75.0	28.0	24.6	18.4	356.0	2.9
	Min.	59.0	18.0	14.9	10.9	326.0	1.4
Max.		**88.0**	**40.0**	**26.5**	**23.6**	**374.0**	**1.0**
Min.		**68.0**	**25.0**	**10.8**	**8.6**	**196.0**	**0.1**

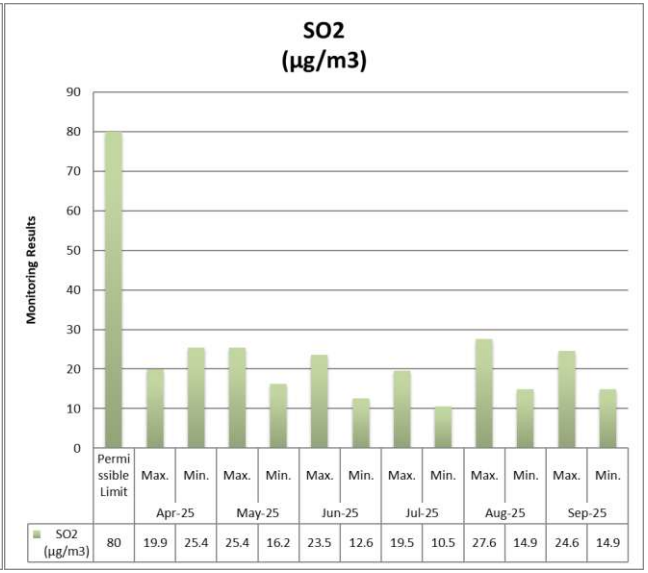
Parameter wise Graphical Representation of Ambient Air Quality at SEZ-I, Admin Building



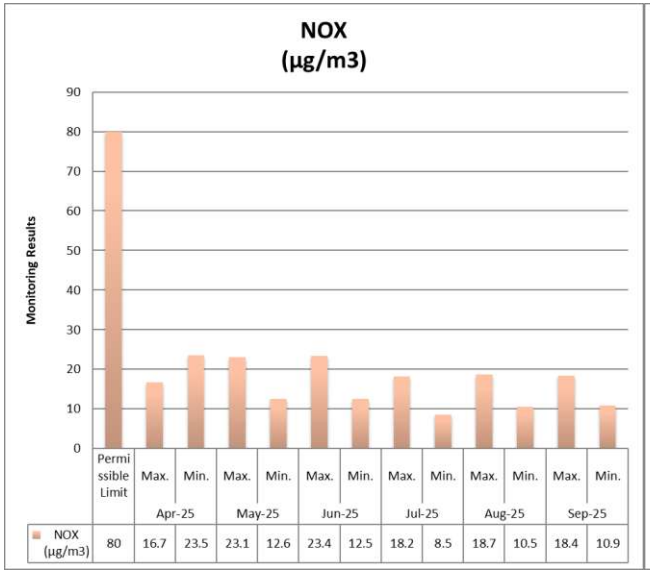
	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
PM10 (µg/m3)	100	76	84	82	72	76	67	72	59	73	59	75	59



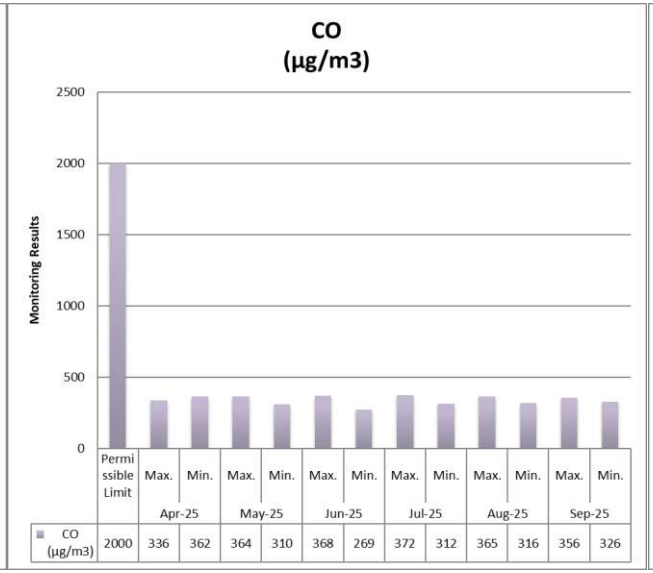
	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
PM2.5 (µg/m3)	60	27	30	34	25	28	22	29	20	29	19	28	18



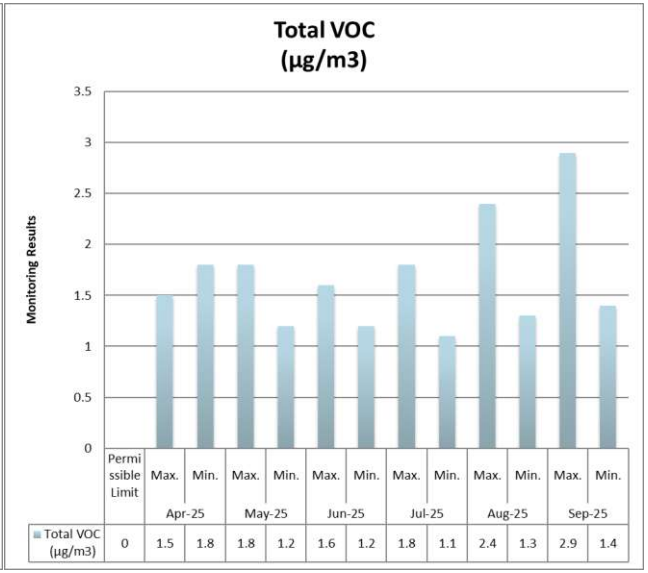
	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
SO2 (µg/m3)	80	19.9	25.4	25.4	16.2	23.5	12.6	19.5	10.5	27.6	14.9	24.6	14.9



	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
NOX (µg/m3)	80	16.7	23.5	23.1	12.6	23.4	12.5	18.2	8.5	18.7	10.5	18.4	10.9



	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
CO (µg/m3)	2000	336	362	364	310	368	269	372	312	365	316	356	326



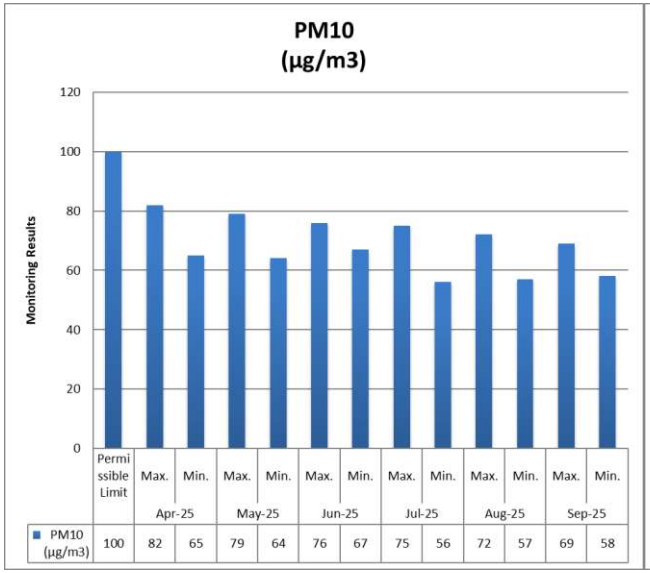
	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
Total VOC (µg/m3)	0	1.5	1.8	1.8	1.2	1.6	1.2	1.8	1.1	2.4	1.3	2.9	1.4

2.2. Ambient Air Quality Monitoring Data, SEZ-II, Admin Building (April 2025 to September 2025)

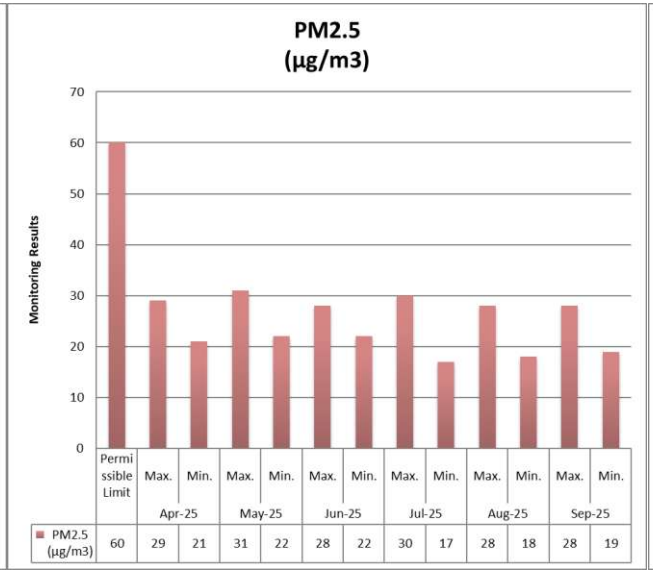
Location: SEZ-II, Admin Building Latitude: 21.6866532 N Longitude: 72.5548602 E	Period: April 2025 to September 2025 Instrument: PM10 & PM2.5 COMBO SAMPLER (Sr. No. 200604138) [During April 2025 to September 2025]

Month	Max./Min.	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_X ($\mu g/m^3$)	CO ($\mu g/m^3$)	Total VOC as Isobutylene (ppm)
April 2025	Max.	82.0	29.0	26.4	20.1	348.0	1.6
	Min.	65.0	21.0	15.4	10.6	308.0	1.1
May 2025	Max.	79.0	31.0	22.6	21.7	345.0	1.9
	Min.	64.0	22.0	13.2	13.5	312.0	1.1
June 2025	Max.	76.0	28.0	23.5	23.4	368.0	1.6
	Min.	67.0	22.0	12.6	12.5	269.0	1.2
July 2025	Max.	75.0	30.0	24.6	24.1	342.0	1.6
	Min.	56.0	17.0	12.1	9.8	284.0	1
August 2025	Max.	72.0	28.0	28.2	23.4	342.0	2.3
	Min.	57.0	18.0	12.8	10.4	298.0	1.4
September 2025	Max.	69.0	28.0	27.2	20.4	362.0	2.7
	Min.	58.0	19.0	15.4	10.5	298.0	1.5
Max.		**82.0**	**31.0**	**28.2**	**24.1**	**368.0**	**2.7**
Min.		**56.0**	**17.0**	**12.1**	**9.8**	**269.0**	**1.0**

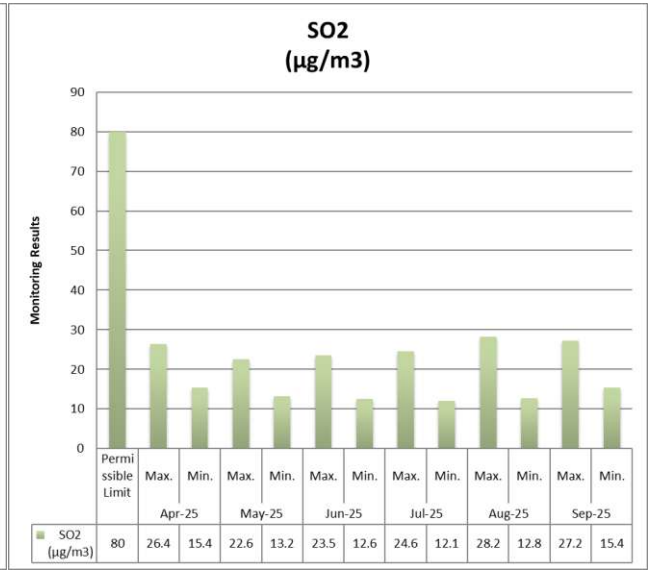
Parameter wise Graphical Representation of Ambient Air Quality at SEZ-II, Admin Building



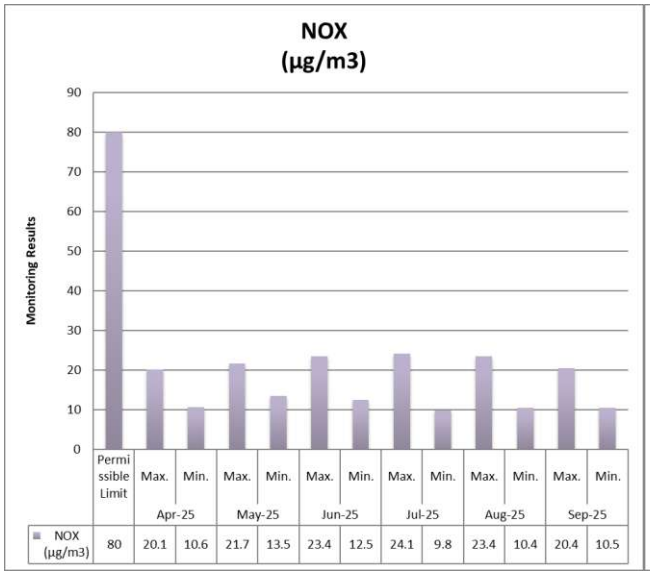
	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
PM10 (µg/m3)	100	82	65	79	64	76	67	75	56	72	57	69	58



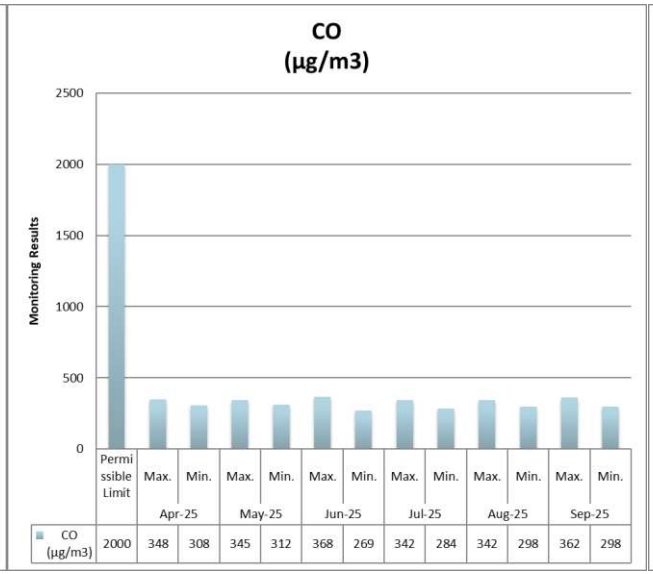
	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
PM2.5 (µg/m3)	60	29	21	31	22	28	22	30	17	28	18	28	19



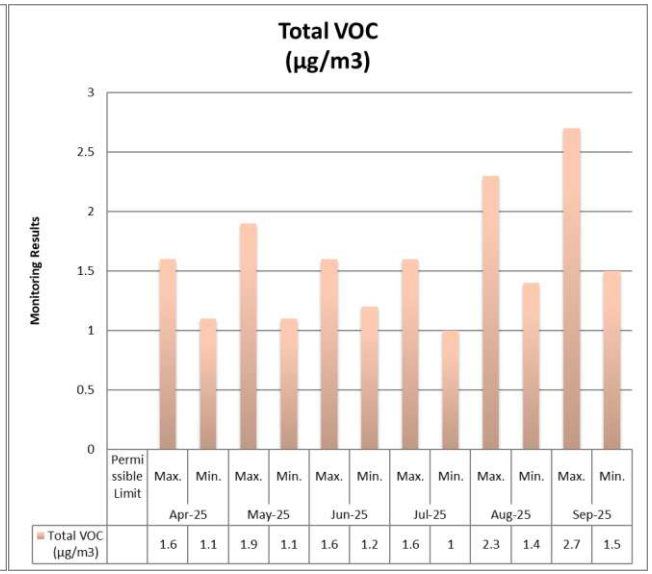
	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
SO2 (µg/m3)	80	26.4	15.4	22.6	13.2	23.5	12.6	24.6	12.1	28.2	12.8	27.2	15.4



	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
NOX (µg/m3)	80	20.1	10.6	21.7	13.5	23.4	12.5	24.1	9.8	23.4	10.4	20.4	10.5



	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
CO (µg/m3)	2000	348	308	345	312	368	269	342	284	342	298	362	298



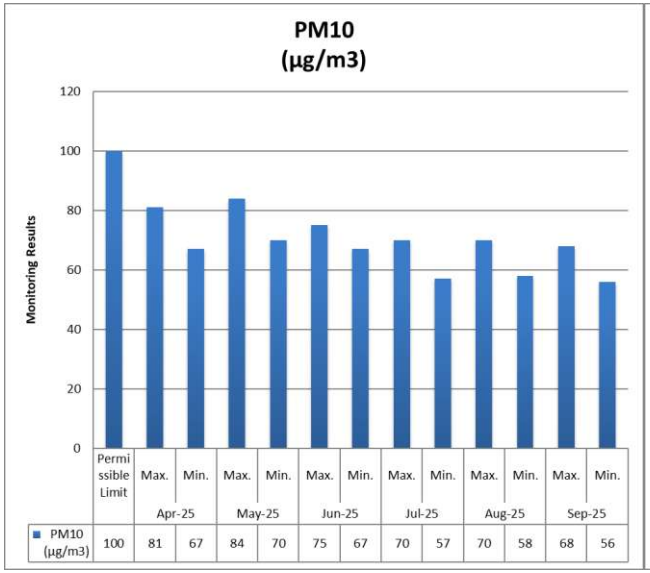
	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
Total VOC (µg/m3)		1.6	1.1	1.9	1.1	1.6	1.2	1.6	1	2.3	1.4	2.7	1.5

2.3. Ambient Air Quality Monitoring Data, SEZ-I, Fire Station (April 2025 to September 2025)

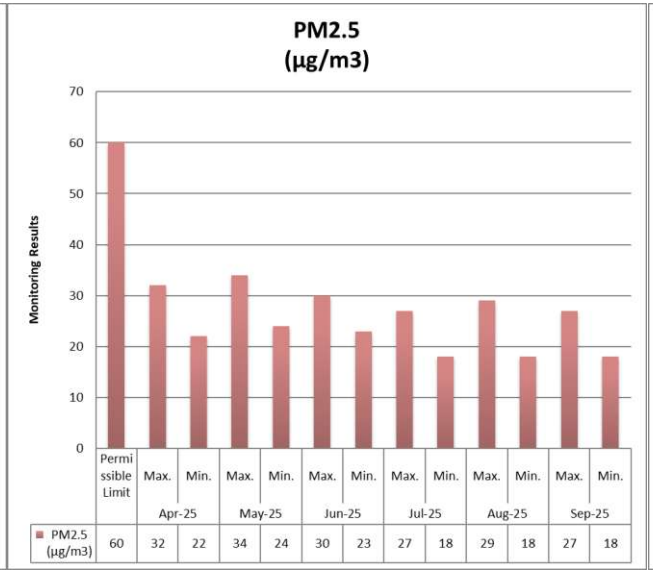
Location: SEZ-I, Fire Station Latitude: 21.6984606 N Longitude: 72.6313318 E	Period: April 2025 to September 2025 Instrument: PM10 and PM 2.5 (Combo Sampler) Sr. No. 200604138) [During April 2025 to September 2025]

Month	Max./Min.	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_X ($\mu g/m^3$)	CO ($\mu g/m^3$)	Total VOC as Isobutylene (ppm)
April 2025	Max.	81.0	32.0	23.4	23.4	355.0	1.6
	Min.	67.0	22.0	11.4	12.5	314.0	1.0
May 2025	Max.	84.0	34.0	21.5	23.1	346.0	1.8
	Min.	70.0	24.0	10.5	12.4	298.0	1.2
June 2025	Max.	75.0	30.0	15.4	23.6	352.0	1.6
	Min.	67.0	23.0	10.6	11.8	276.0	1.1
July 2025	Max.	70.0	27.0	17.4	20.1	352.0	1.5
	Min.	57.0	18.0	8.9	10.8	308.0	1.0
August 2025	Max.	70.0	29.0	22.4	17.9	346.0	2.2
	Min.	58.0	18.0	11.8	10.8	310.0	1.4
September 2025	Max.	68.0	27.0	25.4	18.2	362.0	2.5
	Min.	56.0	18.0	15.4	9.8	278.0	1.6
Max.		**84.0**	**34.0**	**25.4**	**23.6**	**362.0**	**2.5**
Min.		**56.0**	**18.0**	**8.9**	**9.8**	**276.0**	**1.0**

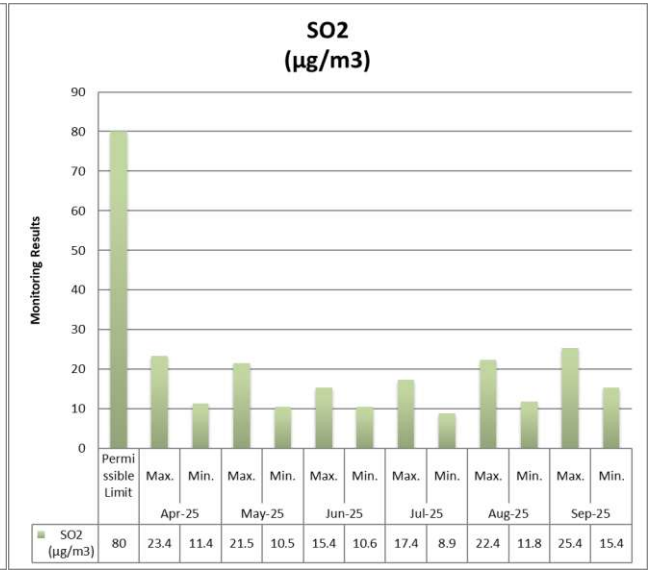
Parameter wise Graphical Representation of Ambient Air Quality at SEZ-I, Fire Station



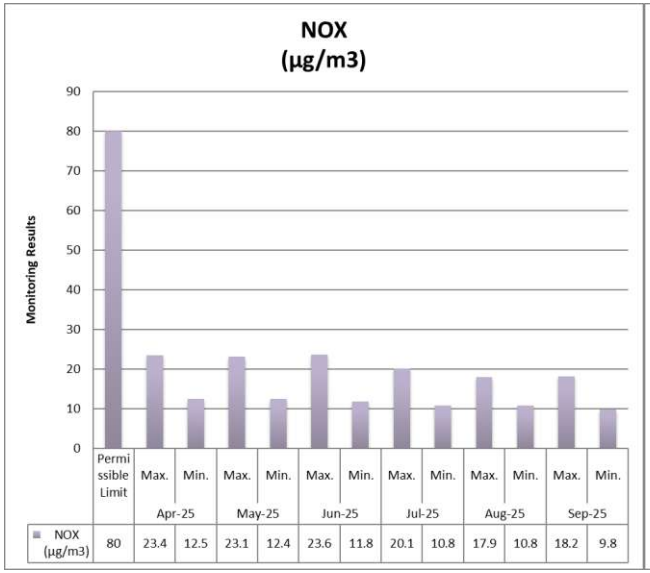
	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
PM10 (µg/m3)	100	81	67	84	70	75	67	70	57	70	58	68	56



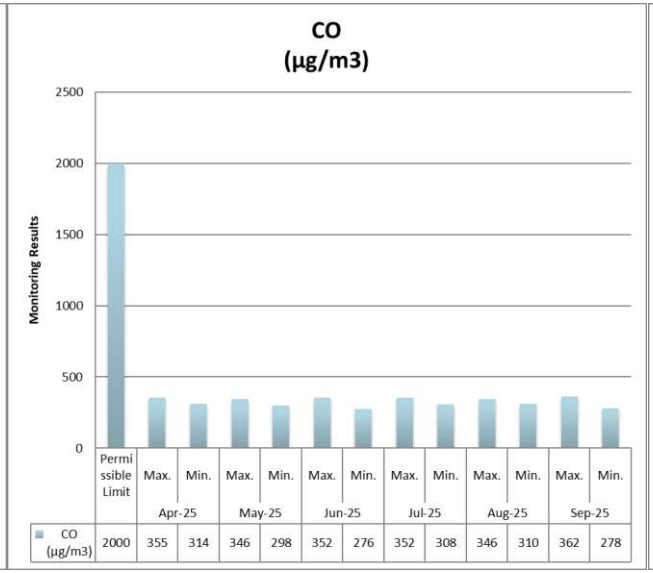
	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
PM2.5 (µg/m3)	60	32	22	34	24	30	23	27	18	29	18	27	18



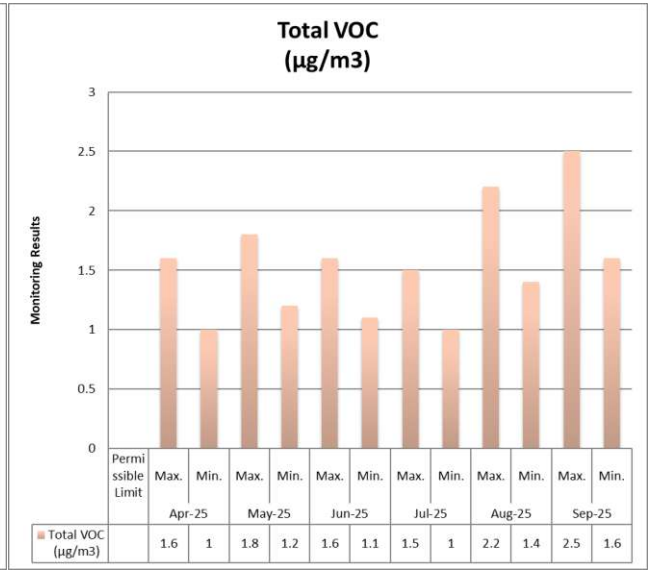
	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
SO2 (µg/m3)	80	23.4	11.4	21.5	10.5	15.4	10.6	17.4	8.9	22.4	11.8	25.4	15.4



	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
NOX (µg/m3)	80	23.4	12.5	23.1	12.4	23.6	11.8	20.1	10.8	17.9	10.8	18.2	9.8



	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
CO (µg/m3)	2000	355	314	346	298	352	276	352	308	346	310	362	278



	Permissible Limit	Apr-25 Max.	Apr-25 Min.	May-25 Max.	May-25 Min.	Jun-25 Max.	Jun-25 Min.	Jul-25 Max.	Jul-25 Min.	Aug-25 Max.	Aug-25 Min.	Sep-25 Max.	Sep-25 Min.
Total VOC (µg/m3)		1.6	1	1.8	1.2	1.6	1.1	1.5	1	2.2	1.4	2.5	1.6

3. NOISE LEVEL MONITORING REPORT

Period: April 2025 to September 2025

FOR

DAHEJ SEZ LIMITED

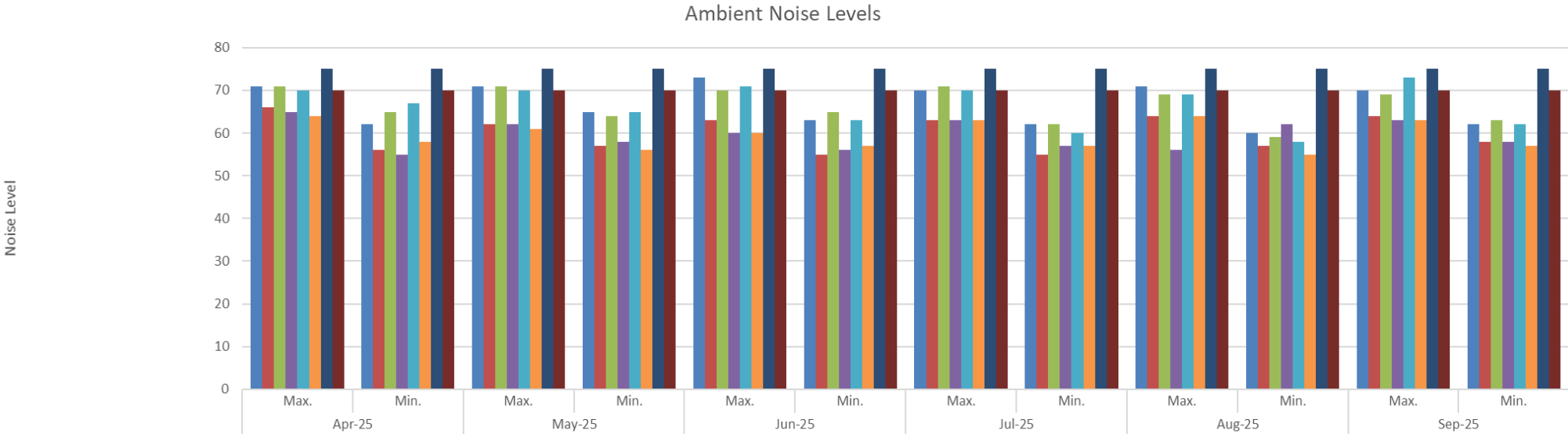
M/s. Dahej SEZ Ltd. (SEZ Developer)

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

3.1. Ambient Noise Level Monitoring Data (April 2025 to September 2025)

Period: April 2025 to September 2025		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 2025	Max.	71.0	66.0	71.0	65.0	70.0	64.0	71.0	63.0
	Min.	62.0	56.0	65.0	55.0	67.0	58.0	66.0	55.0
May 2025	Max.	71.0	62.0	71.0	62.0	70.0	61.0	70.0	60.0
	Min.	65.0	57.0	64.0	58.0	65.0	56.0	66.0	56.0
June 2025	Max.	73.0	63.0	70.0	60.0	71.0	60.0	72.0	64.0
	Min.	63.0	55.0	65.0	56.0	63.0	57.0	62.0	58.0
July 2025	Max.	70.0	63.0	71.0	63.0	70.0	63.0	73.0	64.0
	Min.	62.0	55.0	62.0	57.0	60.0	57.0	59.0	55.0
August 2025	Max.	71.0	64.0	69.0	56.0	69.0	64.0	70.0	63.0
	Min.	60.0	57.0	59.0	62.0	58.0	55.0	58.0	55.0
September 2025	Max.	70.0	64.0	69.0	63.0	73.0	63.0	73.0	63.0
	Min.	62.0	58.0	63.0	58.0	62.0	57.0	62.0	57.0
Max.		73.0	66.0	71.0	65.0	73.0	64.0	73.0	64.0
Min.		60.0	55.0	59.0	55.0	58.0	55.0	58.0	55.0
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



	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
SEZ- 1 (Nr. Admin) Day time	71	62	71	65	73	63	70	62	71	60	70	62
SEZ- 1 (Nr. Admin) Night time	66	56	62	57	63	55	63	55	64	57	64	58
SEZ- 2 (Nr. Admin) Day time	71	65	71	64	70	65	71	62	69	59	69	63
SEZ- 2 (Nr. Admin) Night time	65	55	62	58	60	56	63	57	56	62	63	58
SEZ- 1 (Pumping Station) Day time	70	67	70	65	71	63	70	60	69	58	73	62
SEZ- 1 (Pumping Station) Night time	64	58	61	56	60	57	63	57	64	55	63	57
Permissible Limit Day time	75	75	75	75	75	75	75	75	75	75	75	75
Permissible Limit Night time	70	70	70	70	70	70	70	70	70	70	70	70

4. WATER QUALITY MONITORING REPORT

Period: April 2025 to September 2025

FOR

DAHEJ SEZ LIMITED

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 2025 to June 2025)

Ground Water Sample		Month	April 2025			May 2025			June 2025		
		Date of Sampling	12/04/25	19/04/25	20/04/25	07/05/24	14/05/25	21/05/25	07/06/25	14/06/25	21/06/25
Location			Suva	Jageshwar	Dahej	Ambheth	Luwara	Dahej	Dahej	Lakhigam	Jageshwar
S. No.	Test Parameters	Unit	Result								
01.	Temperature	°C	30	29	28	31	30	32	29	28	29
02.	pH @ 25°C	pH unit	7.64	7.62	7.58	7.45	7.68	7.62	7.65	7.71	7.54
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)
04.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
05.	Turbidity	NTU	0.4	0.5	0.3	0.5	0.6	0.6	0.4	0.5	0.3
06.	TDS	mg/L	1850	1645	1688	1572	1842	1568	1625	1769	1692
07.	Total Alkalinity	mg/L	304	256	316	232	282	268	238	268	254
08.	Chloride	mg/L	688	692	642	312	358	276	337	328	289
09.	Sulphate	mg/L	165	88	76	79	85	92	86	94	106
10.	Nitrate	mg/L	12.5	10.4	7.6	7.6	8.6	5.9	7.2	8.2	6.9
11.	Calcium	mg/L	90	64	59	76	72	84	71	76	78
12.	Magnesium	mg/L	127	78	64	62	48	62	58	45	52
13.	Fluoride	mg/L	0.72	0.53	0.45	0.42	0.51	0.45	0.45	0.45	0.52
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)
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)
16.	Iron	mg/L	0.26	0.12	0.51	0.05	0.04	0.02	0.04	0.05	0.04
17.	Zinc	mg/L	0.21	0.19	0.25	0.12	0.15	0.13	0.15	0.18	0.15

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

4.2. Ground Water Quality Monitoring Data (July 2025 to September 2025)

Ground Water Sample		Month	July 2025			August 2025	September 2025			
		Date of Sampling	03/07/25	12/07/25	26/07/25	23/08/25	15/09/25	20/09/25	20/09/25	27/09/25
Location			Dahej	Luwara	Ambetha	Lakhigam	Suva	Luwara	Ambheta	Dahej
S. No.	Test Parameters	Unit	Result							
01.	Temperature	°C	28	29	28	29	28	29	29	28
02.	pH @ 25°C	pH unit	7.57	7.68	7.62	7.62	7.54	7.62	7.54	7.67
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)
04.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
05.	Turbidity	NTU	0.3	0.4	0.4	0.2	0.3	0.2	0.4	0.5
06.	TDS	mg/L	1572	1652	1713	1254	1425	1145	1248	1389
07.	Total Alkalinity	mg/L	243	272	268	232	242	254	237	262
08.	Chloride	mg/L	278	352	278	529	625	479	584	512
09.	Sulphate	mg/L	124	110	89	116	124	79	78	88
10.	Nitrate	mg/L	6.8	7.8	6.2	6.4	7.3	6.8	7.9	6.8
11.	Calcium	mg/L	77	68	65	75	82	88	78	87
12.	Magnesium	mg/L	56	37	58	34	26	32	22	29
13.	Fluoride	mg/L	0.52	0.42	0.50	0.63	0.54	0.62	0.48	0.58
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)
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)
16.	Iron	mg/L	0.02	0.04	0.05	0.02	0.04	0.05	0.02	0.05
17.	Zinc	mg/L	0.12	0.21	0.10	0.12	0.18	0.21	0.24	0.14

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

4.3. Surface Water Quality Monitoring Data (April 2025 to June 2025)

Surface Water Sample		Month	April 2025			May 2025		
		Date of Sampling	08/04/25	28/04/25	28/04/25	15/05/25	16/05/25	17/05/25
Location			Nr. Torrent Power ltd. (Storm water) (SEZ-1)	Nr. Vidhi Speciality Food Ingredients Ltd. (Storm water) (SEZ-1)	Nr. Kumar Organic Products Ltd. (Storm water) (SEZ-1)	Nr. Thermax Ltd. (STORM WATER) (SEZ-2)	Nr.Godrej (STORM WATER) (SEZ-2)	Nr. Final SEA Discharge (STORM WATER) (SEZ-1)
S. No.	Test Parameters	Unit	Result					
01.	Temperature	°C	32	31	32	32	31	30
02.	pH @ 25°C	pH unit	7.18	7.54	7.68	2.35	2.30	7.26
03.	Colour	Pt. Co. Scale	12	10	13	15	12	10
04.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
05.	Turbidity	NTU	8.4	9.5	10.2	7.4	9.2	7.2
06.	TDS	mg/L	1428	1542	1952	1952	1684	1685
07.	Total Alkalinity	mg/L	143	186	179	164	179	148
08.	Chloride	mg/L	426	542	486	752	569	456
09.	Sulphate	mg/L	325	254	316	415	342	158
10.	Nitrate	mg/L	5.3	8.9	12.4	7.6	9.6	10.4
11.	Calcium	mg/L	21.5	20.4	18.6	25.4	17.2	15.1
12.	Magnesium	mg/L	8.5	10.6	8.6	12.4	9.4	7.3
13.	Fluoride	mg/L	0.52	0.62	0.52	0.75	0.68	0.54
14.	Phenolic compound	mg/L	0.3	0.5	0.3	0.5	0.7	0.2
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)
16	Iron	mg/L	0.42	0.52	0.45	0.58	0.48	0.32
17	Zinc	mg/L	0.4	0.32	0.30	0.42	0.41	0.24
18.	COD	mg/L	48	187	158	1234	1352	45
19.	Bio-Assay Test	% survival of fish after 96 hrs. in 100% effluent	100	90	90	70	70	90

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

4.4. Surface Water Quality Monitoring Data (July 2025 to September 2025)

Surface Water Sample	Month	July 2025		August 2025			September 2025	
	Date of Sampling	28/07/25	28/07/25	04/08/25	05/08/25	05/08/25	09/09/25	25/09/25
Location		Nr. Shiva Pharmachem Ltd. (STORM WATER IN SIDE) (SEZ-1)	Nr. Shiva Pharmachem Ltd. (STORM WATER OUT SIDE) (SEZ-1)	Nr. Meghmani LLP. (STORM WATER) (SEZ-1)	Nr.Benzo Chem Industries Pvt.(STORM WATER) (SEZ-1)	Nr.Roha Daychem Pvt Ltd.(STORM WATER) (SEZ-1)	Nr. Meghmani LLP. (STORM WATER) (SEZ-1)	Nr. Pumping station –D Line Leakage (STORM WATER) (SEZ-1)
S. No.	Test Parameters	Unit	Result					
01.	Temperature	°C	28	29	29	28	27	30	22
02.	pH @ 25°C	pH unit	6.94	7.12	7.54	7.36	7.43	6.72	7.21
03.	Colour	Pt. Co. Scale	4	5	3	4	6	2	6
04.	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
05.	Turbidity	NTU	5.2	5.2	4.2	5.6	5.7	3.8	6.2
06.	TDS	mg/L	1245	985	785	1362	846	849	4782
07.	Total Alkalinity	mg/L	152	184	148	215	168	218	254
08.	Chloride	mg/L	359	321	268	612	426	348	1896
09.	Sulphate	mg/L	215	159	128	158	192	135	456
10.	Nitrate	mg/L	6.8	6.9	4.6	4.3	5.2	5.4	12.6
11.	Calcium	mg/L	32.1	29.2	38	30	32	42	45
12.	Magnesium	mg/L	21.5	15.4	15	11	16	23	23
13.	Fluoride	mg/L	0.68	0.62	0.32	0.38	0.48	0.42	0.42
14.	Phenolic compound	mg/L	0.4	0.4	0.1	0.12	0.2	0.15	0.21
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	0.45	0.51	0.18	0.27	0.18	0.15	0.42
17	Zinc	mg/L	0.33	0.35	0.12	0.15	0.12	0.10	0.34
18.	COD	mg/L	166	103	126	135	118	64	245
19.	Bio-Assay Test	% survival of fish after 96 hrs. in 100% effluent	80	80	80	80	80	80	90

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

4.5. Marine Water Quality Monitoring Data (April 2025 to June 2025)

Marine Water Sample		Month	April 2025				May 2025				June 2025			
		Date of Sampling	12/04/25		28/04/25		21/05/25		28/05/25		14/06/25		28/06/25	
Location			MARINE (Nr.Reliance Jetty)		MARINE (Nr.Lakhigam Village)		MARINE (Nr.Ambheta Village)		MARINE (Nr.Suva Village)		MARINE (Nr.Relince Jetty)		MARINE (Nr.Lakhigam Village)	
			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	^{0}C	32	30	31	29	31	30	32	30	30	29	31	29
02.	pH at 25^{0}C	pH Unit	8.03	7.94	8.28	7.98	8.15	7.87	8.22	7.96	7.98	7.82	8.36	8.12
03.	Turbidity	NTU	154	136	145	123	147	132	152	149	152	136	156	151
04.	Total Suspended Solids	mg/L	78	67	98	85	72	64	84	78	69	61	82	76
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	33.2	31.5	32.8	30.3	32.8	31.1	33.2	31.8	32.3	31.3	32.1	30.7
08.	Dissolved Oxygen	mg/L	7.2	7.1	7.5	6.9	7.4	7.2	7.5	7.2	7.8	7.4	7.4	7.1
09.	Total Nitrogen	mg/L	0.84	0.69	0.65	0.58	0.79	0.65	0.61	0.56	0.75	0.64	0.68	0.57
10.	Dissolved Phosphate	mg/L	0.5	0.4	0.6	0.4	0.4	0.3	0.5	0.4	0.5	0.3	0.4	0.3
11.	Nitrate	mg/L	0.65	0.48	0.68	0.57	0.71	0.52	0.62	0.59	0.75	0.56	0.64	0.57
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	12	13	10	13	11	12	11	12	10	13	11

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

4.6. Marine Water Quality Monitoring Data (July 2025 to September 2025)

Marine Water Sample		Month	July 2025				August 2025				September 2025			
		Date of Sampling	12/07/25		24/07/25		11/08/25		23/08/25		15/09/25		22/09/25	
Location			MARINE (Nr.Reliance Jetty)		MARINE (Nr.Suva Village)		MARINE (Nr.Lakhigam)		MARINE (Nr.Ambetha Village)		MARINE (Nr.Suva Village)		MARINE (Nr.Opal back side)	
			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	^{0}C	29	30	30	29	27	29	28	29	28	29	29	30
02.	pH at 25^{0}C	pH Unit	7.84	7.73	8.68	8.24	7.81	7.78	7.85	7.81	7.85	7.82	7.88	7.83
03.	Turbidity	NTU	158	139	148	145	162	143	165	148	158	140	158	145
04.	Total Suspended Solids	mg/L	73	64	80	75	78	66	73	63	105	86	71	65
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	33.2	32.1	31.6	30.2	34.2	33.2	35.4	33.8	33.5	29.6	34.6	32.1
08.	Dissolved Oxygen	mg/L	7.5	7.2	7.7	6.9	7.8	7.4	7.3	6.7	6.8	6.9	7.6	7.2
09.	Total Nitrogen	mg/L	0.71	0.66	0.62	0.56	0.82	0.71	0.79	0.68	0.85	0.73	0.77	0.69
10.	Dissolved Phosphate	mg/L	0.4	0.2	0.6	0.4	0.3	0.2	0.4	0.3	0.2	0.14	0.1	0.08
11.	Nitrate	mg/L	0.84	0.67	0.51	0.48	0.79	0.63	0.68	0.61	0.76	0.61	0.64	0.58
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	13	10	12	10	14	11	12	10	13	12	11	10
Note: BDL=Below Detection Limit**, DL=** Detection Limit														

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

April 2025 to June 2025												
Wastewater Samples		Month	April 2025			May 2025				June 2025			
		Date of Sampling	11/04/25	17/04/25	23/04/25	01/05/25	06/05/25	14/05/25	17/05/25	02/06/25	10/06/25	17/06/25	24/06/25
S. No.	Test Parameters	Unit											
01.	Temperature	0C	30	33	32	31	29	30	37	33	29	28	29
02.	pH at 25^{0}C	pH unit	7.32	7.42	7.12	7.58	7.34	7.46	7.49	7.46	7.54	7.42	7.25
03.	Total Suspended Solids (TSS)	mg/L	42	33	34	39	37	41	24	34	42	35	40
04.	Color	mg/L	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH
05.	Sulphate	mg/L	268	455	235	292	284	281	315	354	354	315	292
06.	Oil & grease	mg/L	4.2	5.2	5.8	5.2	4.2	3.2	3.5	2.8	2.6	3.6	3.6
07.	Fluoride	mg/L	0.5	0.42	0.6	0.6	0.6	0.4	0.7	0.5	0.5	0.3	0.5
08.	Sulphide	mg/L	0.4	1.3	0.5	0.4	0.5	0.3	0.5	0.4	0.6	0.2	0.4
09.	Ammonical Nitrogen	mg/L	8.5	33.1	24	7.9	8.5	5.6	10.3	7.9	8.7	5.9	7.2
10.	Total Kjeldahl Nitrogen	mg/L	14.1	36.2	28	12.4	10.8	10.1	15.4	10.2	12.4	8.5	10.2
11.	Free Ammonia	mg/L	0.25	0.45	0.30	0.23	0.26	0.21	0.25	0.25	0.28	0.25	0.25
12.	Copper	mg/L	0.14	0.20	0.21	0.12	0.15	0.15	0.15	0.16	0.19	0.12	0.18
13.	Zinc	mg/L	0.10	0.21	0.12	0.10	0.12	0.12	0.12	0.12	0.12	0.10	0.13
14.	BOD 3 days at 27^{0}C	mg/L	56	44	45	52	49	55	31	43	55	48	53
15.	COD	mg/L	167	132	136	156	146	164	94	136	175	159	159
16	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.3	0.3	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)
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	0.03	0.02	0.05	0.05	0.05	0.02	0.1	0.04	0.02	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)
21.	Hexavalent Chromium	mg/L	0.2	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.4	0.2	0.2
22.	Total Chromium	mg/L	0.4	0.6	0.4	0.5	0.4	0.4	0.4	0.4	0.6	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)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.3	0.3	0.2	0.1	0.1	0.2	0.2	0.3	0.1	0.1
26.	Iron	mg/L	0.1	0.5	0.4	0.3	0.1	0.2	0.3	0.1	0.2	0.2	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.1)	BDL (DL-0.1)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.1)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	mg/L	BDL (DL-0.01)	BDL (DL-0.21)	BDL (DL-0.21)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.21)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
29.	Nitrate Nitrogen as NO_3-N	mg/L	6.4	11.7	4.6	5.4	6.5	2.5	8.3	6.4	6.8	3.4	5.9
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 2025 to September 2025																
Wastewater Samples		Month	July 2025						August 2025					September 2025			
		Date of Sampling	01/07/25	04/07/25	07/07/25	14/07/25	16/07/25	22/07/25	01/08/25	06/08/25	13/08/25	20/08/25	26/08/25	01/09/25	05/09/25	11/09/25	17/09/25
S. No.	Test Parameters	Unit	Result														
01.	Temperature	0C	30	28	29	29	31	29	30	27	26	29	27	26	27	29	29
02.	pH at 250C	pH unit	7.36	7.21	7.74	7.36	7.32	7.36	7.36	7.35	7.14	7.35	7.34	7.30	7.42	7.30	7.30
03.	Total Suspended Solids (TSS)	mg/L	40	19	35	28	38	42	42	39	39	39	40	39	35	39	35
04.	Color	mg/L	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH	REDISH
05.	Sulphate	mg/L	241	269	248	215	269	254	239	178	252	236	162	215	210	245	251
06.	Oil & grease	mg/L	3.4	4.2	2.8	3.4	4.6	3.4	2.6	2.6	3.4	3.2	3.4	2.5	2.9	2.8	3.8
07.	Fluoride	mg/L	0.4	0.6	0.4	0.4	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
08.	Sulphide	mg/L	0.3	0.5	0.3	0.5	0.5	0.4	0.6	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
09.	Ammonical Nitrogen	mg/L	7.8	9.2	7.9	6.9	10.4	6.5	7.5	6.9	5.4	5.9	4.6	4.9	3.5	5.2	5.8
10.	Total Kjeldahl Nitrogen	mg/L	15.2	13.4	10.3	9.4	13.2	9.8	10.3	10.5	8.2	10.2	6.2	8.4	5.9	9.3	11.6
11.	Free Ammonia	mg/L	0.19	0.28	0.25	0.16	0.20	0.25	0.18	0.15	0.25	0.15	0.20	0.12	0.20	0.24	0.24
12.	Copper	mg/L	0.15	0.15	0.13	0.12	0.11	0.12	0.10	0.10	0.10	0.16	0.12	0.2	0.10	0.12	0.11
13.	Zinc	mg/L	0.10	0.10	0.10	0.10	0.10	0.10	0.13	0.10	0.12	0.11	0.11	0.11	0.15	0.10	0.1
14.	BOD 3 days at 270C	mg/L	53	25	46	42	52	56	56	52	52	51	53	51	47	51	46
15.	COD	mg/L	159	76	152	132	169	169	168	157	157	154	159	154	142	154	139
16	Total Residual Chlorine	mg/L	0.1	0.1	0.2	0.1	0.1	0.2	0.2	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)
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	0.01	0.02	0.03	0.2	0.02	0.02	0.02	0.04	0.05	0.02	0.24	0.04	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)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.4	0.4	0.3	0.2	0.3	0.2	0.3	0.2
22.	Total Chromium	mg/L	0.5	0.3	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.4	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)	BDL (DL-0.3)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.2	0.1	0.1	0.2	0.3	0.2	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
26.	Iron	mg/L	0.1	0.3	0.2	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.3
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	5.8	6.4	5.9	5.3	8.3	5.8	4.9	5.0	4.2	4.6	3.6	3.5	3.1	4.3	4.2

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 2025 to June 2025															
Wastewater Samples		Month	April 2025				May 2025					June 2025			
		Date of Sampling	02/04/25	07/04/25	17/04/25	23/04/25	01/05/25	06/05/25	14/05/25	17/05/25	24/05/25	02/06/25	10/06/25	17/06/25	24/06/25
S. No.	Test Parameters	Unit	Result												
01.	Temperature	0C	29	30	30	31	30	28	28	29	31	29	28	28	28
02.	pH at 25^{0}C	pH unit	7.25	7.85	7.52	7.52	7.43	7.54	7.42	7.42	7.35	7.56	7.84	7.36	7.34
03.	Total Suspended Solids (TSS)	mg/L	30	35	35	32	31	37	33	33	33	31	32	27	34
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	315	316	274	318	342	325	215	352	242	339	179	196	258
06.	Oil & grease	mg/L	2.1	1.5	3.4	2.3	4.2	1.9	2.8	2.1	2.1	2.1	1.9	2.1	2.3
07.	Fluoride	mg/L	0.4	0.6	0.5	0.4	0.5	0.6	0.4	0.5	0.4	0.4	0.3	0.5	0.5
08.	Sulphide	mg/L	0.3	0.5	0.3	0.3	0.3	0.5	0.3	0.4	0.3	0.3	0.2	0.4	0.4
09.	Ammonical Nitrogen	mg/L	4.3	4.6	4.6	4.8	4.5	3.5	3.9	4.5	4.2	3.2	6.5	3.2	3.6
10.	Total Kjeldahl Nitrogen	mg/L	6.1	8.2	7.6	6.0	6.8	6.4	6.2	8.4	6.5	5.6	8.2	6.1	7.5
11.	Free Ammonia	mg/L	0.10	0.12	0.18	0.20	0.16	0.15	0.12	0.15	0.15	0.13	0.15	0.10	0.26
12.	Copper	mg/L	0.03	0.05	0.05	0.03	0.05	0.04	0.01	0.02	0.02	0.02	0.03	0.02	0.02
13.	Zinc	mg/L	0.15	0.21	0.15	0.15	0.12	0.15	0.1	0.11	0.13	0.10	0.18	0.11	0.15
14.	BOD 3 days at 27^{0}C	mg/L	39	46	46	42	41	49	44	43	44	40	46	32	45
15.	COD	mg/L	118	138	138	127	124	146	132	130	132	124	138	109	134
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	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)	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	0.04	0.04	0.04	0.05	0.04	0.04	0.05	0.02	0.02	0.05	0.05
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	0.2	0.3	0.3	0.1	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.4
22.	Total Chromium	mg/L	0.3	0.5	0.4	0.2	0.2	0.4	0.3	0.4	0.4	0.3	0.4	0.4	0.5
23.	Nickel	mg/L	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.2
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.3	0.2	0.1	0.1	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1
26.	Iron	mg/L	0.2	0.3	0.4	0.2	0.2	0.4	0.1	0.1	0.3	0.1	0.2	0.2	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO_3-N	mg/L	3.6	3.5	3.2	3.5	3.5	2.5	3.5	3.5	3.5	2.6	4.8	2.9	3.0

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 2025 to September 2025																	
Wastewater Samples		Month	July 2025					August 2025					September 2025				
		Date of Sampling	01/07/25	07/07/25	14/07/25	16/07/25	22/07/25	01/08/25	06/08/25	13/08/25	18/08/25	22/08/25	01/09/25	05/09/25	11/09/25	17/09/25	22/09/25
S. No.	Test Parameters	Unit	Result														
01.	Temperature	0°C	28	29	28	29	28	29	28	28	28	29	25	26	28	28	29
02.	pH at 25^{0}C	pH unit	7.30	7.34	7.32	7.28	7.80	7.58	7.58	7.40	7.34	7.72	7.20	7.80	7.60	7.20	7.54
03.	Total Suspended Solids(TSS)	mg/L	36	28	15	24	34	34	30	35	29	30	33	30	32	31	30
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	COLOURLESS	COLOURLESS	COLOURLESS	COLOURLESS	COLOURLESS
05.	Sulphate	mg/L	154	218	213	142	213	158	252	125	126	238	286	152	154	218	242
06.	Oil & grease	mg/L	2.4	2.1	1.5	1.5	1.5	2.1	1.8	2.4	1.8	1.8	1.8	2.4	2.3	1.7	1.9
07.	Fluoride	mg/L	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.3	0.3	0.5	0.4	0.4	0.4	0.4	0.4
08.	Sulphide	mg/L	0.3	0.3	0.3	0.3	0.3	0.2	0.4	0.2	0.2	0.4	0.3	0.3	0.3	0.3	0.3
09.	Ammonical Nitrogen	mg/L	5.2	3.6	3.4	4.3	3.2	5.2	3.8	4.9	3.1	3.2	2.4	2.8	2.2	3.4	1.8
10.	Total Kjeldahl Nitrogen	mg/L	7.5	6.5	5.6	6.1	6.5	7.1	5.5	7.2	5.2	5.8	4.9	4.6	5.1	5.2	3.2
11.	Free Ammonia	mg/L	0.18	0.22	0.20	0.18	0.19	0.20	0.25	0.20	0.15	0.25	0.08	0.09	0.18	0.13	0.06
12.	Copper	mg/L	0.02	0.03	0.04	0.01	0.02	0.03	0.03	0.04	0.02	0.06	0.2	0.03	0.03	0.05	0.02
13.	Zinc	mg/L	0.15	0.11	0.15	0.10	0.15	0.10	0.15	0.13	0.10	0.12	0.18	0.10	0.10	0.12	0.11
14.	BOD 3 days at 27^{0}C	mg/L	48	41	30	36	45	45	40	46	38	40	44	40	43	42	40
15.	COD	mg/L	143	124	89	124	134	135	119	139	115	119	132	119	128	125	119
16	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	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)	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	0.03	0.02	0.01	0.03	0.03	0.02	0.04	0.05	0.02	0.03	0.02	0.01	0.02	0.04	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	0.2	0.3	0.2	0.4	0.3	0.4	0.2	0.1	0.3	0.3	0.3	0.2	0.2	0.2	0.3
22.	Total Chromium	mg/L	0.4	0.5	0.4	0.5	0.5	0.5	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.5
23.	Nickel	mg/L	0.2	0.3	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.3	0.1	0.2	0.2	0.2
26.	Iron	mg/L	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO_3-N	mg/L	4.3	3.1	3.1	3.6	2.9	3.6	3.5	3.2	2.4	2.8	2.1	2.2	2.4	3.1	2.4

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 2025 to June 2025												
Wastewater Samples		Month	April 2025			May 2025				June 2025		
		Date of Sampling	02/04/25	11/04/25	21/04/25	01/05/25	06/05/25	14/05/25	24/05/25	02/06/25	11/06/25	24/06/25
S. No.	Test Parameters	Unit	Result									
01.	Temperature	^{0}C	30	30	31	31	27	31	29	33	32	28
02.	pH at 25^{0}C	pH unit	7.86	7.74	7.54	7.58	7.64	7.46	7.42	7.95	7.82	7.72
03.	Total Suspended Solids (TSS)	mg/L	41	45	44	40	43	41	42	45	45	41
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	258	284	324	305	315	358	218	352	362	346
06.	Oil & grease	mg/L	2.5	4.9	2.8	3.8	3.6	3.5	2.4	3.2	4.2	3.8
07.	Fluoride	mg/L	0.3	0.6	0.5	0.4	0.5	0.4	0.5	0.4	0.6	0.6
08.	Sulphide	mg/L	0.2	0.5	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.4
09.	Ammonical Nitrogen	mg/L	5.4	6.4	6.9	9.4	7.2	10.4	6.9	6.9	7.4	7.9
10.	Total Kjeldahl Nitrogen	mg/L	8.2	8.3	10.1	12.6	10.6	14.6	9.4	11.2	12.4	11.5
11.	Free Ammonia	mg/L	0.25	0.25	0.28	0.22	0.22	0.25	0.22	0.26	0.25	0.28
12.	Copper	mg/L	0.02	0.04	0.02	0.03	0.03	0.03	0.05	0.05	0.03	0.07
13.	Zinc	mg/L	0.10	0.16	0.15	0.15	0.15	0.18	0.15	0.12	0.11	0.12
14.	BOD 3 days at 27^{0}C	mg/L	55	59	59	53	57	55	56	54	60	54
15.	COD	mg/L	164	178	176	158	170	164	169	178	179	162
16	Total Residual Chlorine	mg/L	0.2	0.2	0.2	0.3	0.1	0.2	0.3	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)
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	0.05	0.03	0.04	0.02	0.02	0.05	0.02	0.05	0.05	0.05
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)
21.	Hexavalent Chromium	mg/L	0.3	0.2	0.4	0.4	0.3	0.3	0.4	0.5	0.3	0.3
22.	Total Chromium	mg/L	0.5	0.4	0.5	0.5	0.4	0.4	0.5	0.6	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)
24.	Cyanide	mg/L	Absent	Absent	Absent	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.3	0.2	0.3	0.2	0.3	0.1	0.2	0.3	0.1	0.2
26.	Iron	mg/L	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL-0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL-0.2)	BDL (DL- 0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.5	4.5	5.3	6.8	4.1	6.9	5.4	4.9	6.4	6.2

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

July 2025 to September 2025												
Wastewater Samples		Month	July 2025				August 2025			September 2025			
		Date of Sampling	01/07/25	11/07/25	16/07/25	24/07/25	01/08/25	13/08/25	20/08/25	01/09/25	05/09/25	17/09/25	23/09/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	^{0}C	31	28	31	28	31	30	29	28	27	28	32
02.	pH at 25^{0}C	pH unit	7.85	7.89	7.64	7.85	7.85	8.01	7.89	7.85	8.24	7.75	7.46
03.	Total Suspended Solids (TSS)	mg/L	42	35	24	41	44	39	44	43	38	35	39
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	323	295	152	268	215	272	326	256	241	358	213
06.	Oil & grease	mg/L	2.8	2.5	2.8	2.5	2.8	3.2	2.4	2.2	2.9	3.2	3.8
07.	Fluoride	mg/L	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5
08.	Sulphide	mg/L	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.4
09.	Ammonical Nitrogen	mg/L	6.8	9.1	5.8	6.9	6.9	6.9	4.9	5.2	4.3	5.4	5.9
10.	Total Kjeldahl Nitrogen	mg/L	9.4	14.6	9.2	10.2	10.2	9.4	7.3	9.8	6.8	10.2	7.5
11.	Free Ammonia	mg/L	0.21	0.28	0.22	0.28	0.25	0.24	0.25	0.28	0.13	0.23	0.27
12.	Copper	mg/L	0.03	0.07	0.04	0.04	0.03	0.05	0.05	0.2	0.1	0.04	0.03
13.	Zinc	mg/L	0.10	0.10	0.10	0.15	0.15	0.10	0.12	0.5	0.13	0.16	0.12
14.	BOD 3 days at 27^{0}C	mg/L	56	52	48	54	58	51	59	57	54	56	52
15.	COD	mg/L	168	161	154	162	174	154	176	172	162	168	155
16	Total Residual Chlorine	mg/L	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	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	0.03	0.08	0.04	0.04	0.03	0.03	0.06	0.05	0.02	0.04	0.05
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	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.5	0.4	0.3	0.2
22.	Total Chromium	mg/L	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.6	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)	BDL (DL- 0.3)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2
26.	Iron	mg/L	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.5	7.9	4.8	4.2	4.2	4.6	3.6	3.8	3.5	4.6	4.9

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 2025 to June 2025											
Wastewater Samples		Month	April 2025			May 2025			June 2025		
		Date of Sampling	02/04/25	11/04/25	21/04/25	01/05/25	06/05/25	24/05/25	02/06/25	11/06/25	24/06/25
S. No.	Test Parameters	Unit	Result								
01.	Temperature	^{0}C	31	31	30	30	29	29	29	31	27
02.	pH at 25^{0}C	pH unit	7.64	7.36	7.48	7.62	7.46	7.34	7.42	7.51	7.48
03.	Total Suspended Solids (TSS)	mg/L	44	43	45	42	42	40	44	40	42
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	242	269	254	268	225	258	252	426	346
06.	Oil & grease	mg/L	3.2	5.7	3.6	4.6	3.4	2.6	2.8	3.6	4.6
07.	Fluoride	mg/L	0.5	0.6	0.4	0.4	0.4	0.6	0.5	0.7	0.5
08.	Sulphide	mg/L	0.4	0.5	0.3	0.3	0.3	0.5	0.4	0.6	0.4
09.	Ammonical Nitrogen	mg/L	7.9	7.9	4.8	12.2	6.9	8.5	6.9	9.7	8.4
10.	Total Kjeldahl Nitrogen	mg/L	10.5	10.5	6.4	16.4	8.4	12.6	10.5	15.8	14.6
11.	Free Ammonia	mg/L	0.25	0.28	0.25	0.22	0.21	0.22	0.22	0.32	0.25
12.	Copper	mg/L	0.05	0.05	0.02	0.04	0.05	0.03	0.05	0.06	0.02
13.	Zinc	mg/L	0.14	0.10	0.10	0.10	0.15	0.15	0.15	0.20	0.10
14.	BOD 3 days at 27^{0}C	mg/L	58	57	60	56	56	53	59	53	56
15.	COD	mg/L	175	172	179	169	169	158	176	158	169
16	Total Residual Chlorine	mg/L	0.2	0.2	0.1	0.3	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)
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	BDL (DL-0.05)	0.09	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)
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	0.2	0.2	0.4	0.4	0.6	0.5	0.4	0.7
22.	Total Chromium	mg/L	0.6	0.3	0.3	0.5	0.6	0.5	0.6	0.5	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)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.1	0.3	0.1	0.3	0.1	0.2	0.2	0.2
26.	Iron	mg/L	0.3	0.2	0.2	0.2	0.2	0.3	0.1	0.3	0.3
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	5.8	5.4	3.8	8.4	4.6	6.2	4.8	8.6	7.3

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 2025 to September 2025														
Wastewater Samples		Month	July 2025				August 2025				September 2025			
		Date of Sampling	01/07/25	11/07/25	16/07/25	24/07/25	01/08/25	06/08/25	13/08/25	20/08/25	01/09/25	05/09/25	11/09/25	17/09/25
S. No.	Test Parameters	Unit	Result											
01.	Temperature	^{0}C	29	28	29	30	29	27	29	28	26	25	30	27
02.	pH at 25^{0}C	pH unit	7.15	7.15	7.47	7.28	7.15	7.18	7.18	7.24	7.10	7.32	7.31	7.32
03.	Total Suspended Solids (TSS)	mg/L	37	38	31	39	45	45	45	43	42	40	41	35
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	229	325	284	315	223	258	324	362	228	352	352	278
06.	Oil & grease	mg/L	3.6	2.8	3.6	2.8	3.2	1.9	3.6	3.2	2.8	3.5	2.4	3.4
07.	Fluoride	mg/L	0.4	0.6	0.5	0.6	0.4	0.5	0.5	0.5	0.3	0.4	0.4	0.6
08.	Sulphide	mg/L	0.3	0.4	0.3	0.5	0.3	0.4	0.4	0.4	0.2	0.3	0.3	0.5
09.	Ammonical Nitrogen	mg/L	7.9	8.9	8.4	7.4	8.5	3.4	7.3	7.2	5.8	5.6	5.2	7.9
10.	Total Kjeldahl Nitrogen	mg/L	12.6	12.6	12.8	12.1	10.4	6.8	10.2	10.5	9.7	8.4	8.4	13.4
11.	Free Ammonia	mg/L	0.25	0.25	0.25	0.25	0.22	0.20	0.20	0.23	0.21	0.15	0.22	0.25
12.	Copper	mg/L	0.02	0.04	0.03	0.08	0.03	0.02	0.05	0.05	0.02	0.02	0.03	0.03
13.	Zinc	mg/L	0.11	0.10	0.12	0.10	0.15	0.12	0.12	0.15	0.10	0.15	0.10	0.18
14.	BOD 3 days at 27^{0}C	mg/L	49	50	43	51	59	60	60	57	56	56	55	46
15.	COD	mg/L	147	165	142	154	178	179	179	172	168	169	164	139
16	Total Residual Chlorine	mg/L	0.3	0.3	0.1	0.1	0.1	0.2	0.2	0.2	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)
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	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)
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	0.3	0.4	0.4	0.3	0.5	0.3	0.3	0.4	0.4	0.2
22.	Total Chromium	mg/L	0.5	0.5	0.6	0.6	0.6	0.4	0.6	0.5	0.5	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)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.1	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2
26.	Iron	mg/L	0.2	0.2	0.2	0.3	0.1	0.1	0.2	0.1	0.4	0.1	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	5.4	7.3	6.5	5.8	6.2	2.4	6.2	5.9	3.4	4.3	4.3	6.2

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 2025 to June 2025															
Wastewater Samples		Month	April 2025				May 2025						June 2025			
		Date of Sampling	02/04/25	07/04/25	21/04/25	28/04/25	01/05/25	03/05/25	06/05/25	14/05/25	15/05/25	24/05/25	02/06/25	10/06/25	20/06/25	25/06/25
S. No.	Test Parameters	Unit	Result													
01.	Temperature	^{0}C	30	31	29	32	30	29	29	30	30	30	30	30	32	28
02.	pH at 25^{0}C	pH unit	7.46	7.52	7.48	7.42	7.42	7.46	7.58	7.68	7.65	7.66	7.36	7.36	7.75	7.65
03.	Total Suspended Solids (TSS)	mg/L	53	47	54	54	46	44	49	45	46	48	32	61	42	48
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	LIGHT RED
05.	Sulphate	mg/L	258	318	258	258	289	362	354	292	285	168	262	296	426	384
06.	Oil & grease	mg/L	4.6	4.3	4.8	5.6	5.4	5.7	4.9	4.6	4.6	5.2	5.8	4.8	5.4	3.8
07.	Fluoride	mg/L	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.6	0.6	0.6
08.	Sulphide	mg/L	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.5	0.5	0.5
09.	Ammonical Nitrogen	mg/L	13.4	12.4	9.8	12.4	13.2	11.9	12.6	6.9	9.1	12.5	18.9	4.8	7.8	12.9
10.	Total Kjeldahl Nitrogen	mg/L	16.2	15.2	13.4	17.2	15.6	16.4	16.4	10.1	13.4	16.9	22.5	10.6	12.6	17.4
11.	Free Ammonia	mg/L	0.52	0.25	0.52	0.54	0.62	0.22	0.31	0.45	0.45	0.32	0.72	0.42	0.52	0.52
12.	Copper	mg/L	0.05	0.04	0.03	0.05	0.04	0.05	0.05	0.05	0.02	0.05	0.05	0.07	0.05	0.07
13.	Zinc	mg/L	0.2	0.26	0.20	0.23	0.3	0.22	0.28	0.23	0.15	0.15	0.2	0.19	0.21	0.16
14.	BOD 3 days at 27^{0}C	mg/L	70	63	72	72	61	59	65	60	61	63	43	58	59	64
15.	COD	mg/L	210	189	215	215	184	176	196	179	182	190	128	184	182	192
16	Total Residual Chlorine	mg/L	0.2	0.5	0.3	0.2	0.3	0.3	0.4	0.2	0.3	0.2	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)
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	0.04	0.08	0.09	0.05	0.05	0.05	0.12	0.05	0.1	0.2	0.2	0.06	0.25
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	0.6	0.3	0.4	0.4	0.5	0.4	0.2	0.3	0.5	0.3	0.4	0.4	0.5	0.5
22.	Total Chromium	mg/L	0.8	0.5	0.5	0.6	0.6	0.5	0.4	0.5	0.7	0.4	0.6	0.6	0.6	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)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.4	0.3
26.	Iron	mg/L	0.3	0.2	0.1	0.3	0.2	0.2	0.3	0.1	0.3	0.1	0.3	0.3	0.3	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	mg/L	0.3	0.2	0.1	0.4	0.1	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.5	0.3
29.	Nitrate Nitrogen as NO3-N	mg/L	10.8	10.4	6.8	9.5	9.4	6.4	9.4	5.1	5.9	8.6	10.6	4.2	6.4	11.8

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 2025 to September 2025													
Wastewater Samples		Month	July 2025				August 2025				September 2025			
		Date of Sampling	03/07/25	07/07/25	14/07/25	24/07/25	04/08/25	08/08/25	18/08/25	22/08/25	03/09/25	09/09/25	15/09/25	11/06/25
S. No.	Test Parameters	Unit	Result											
01.	Temperature	^{0}C	27	28	29	30	23	28	27	28	29	28	27	32
02.	pH at 25^{0}C	pH unit	7.32	7.75	7.52	7.52	7.54	7.42	7.32	7.35	7.48	7.36	7.50	7.93
03.	Total Suspended Solids (TSS)	mg/L	47	42	40	39	39	47	46	45	35	45	42	46
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
05.	Sulphate	mg/L	315	243	287	213	215	315	252	262	228	272	224	315
06.	Oil & grease	mg/L	5.4	4.2	4.5	2.9	3.9	3.4	3.5	3.1	4.2	3.5	4.8	2.4
07.	Fluoride	mg/L	0.5	0.5	0.6	0.5	0.5	0.6	0.6	0.4	0.4	0.5	0.5	0.5
08.	Sulphide	mg/L	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.3	0.3	0.4	0.4	0.4
09.	Ammonical Nitrogen	mg/L	13.8	10.4	12.4	7.8	15.1	12.4	8.2	5.8	7.2	8.2	8.6	15.4
10.	Total Kjeldahl Nitrogen	mg/L	15.2	15.3	16.8	10.8	18.2	16.9	11.2	8.2	10.1	12.4	12.5	20.1
11.	Free Ammonia	mg/L	0.52	0.64	0.56	0.28	0.55	0.58	0.25	0.22	0.22	0.22	0.22	0.35
12.	Copper	mg/L	0.04	0.04	0.04	0.02	0.03	0.05	0.04	0.03	0.03	0.02	0.03	0.05
13.	Zinc	mg/L	0.23	0.16	0.26	0.10	0.25	0.15	0.15	0.1	0.12	0.13	0.10	0.10
14.	BOD 3 days at 27^{0}C	mg/L	63	58	57	52	64	62	61	61	60	63	56	62
15.	COD	mg/L	188	179	178	155	193	187	184	182	179	189	169	185
16	Total Residual Chlorine	mg/L	0.2	0.2	0.2	0.2	0.3	0.3	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)
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	0.3	0.3	0.3	0.1	0.2	0.2	0.2	0.1	0.3	0.15	0.3	0.3
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	0.3	0.3	0.5	0.3	0.4	0.3	0.4	0.3	0.5	0.3	0.3	0.5
22.	Total Chromium	mg/L	0.5	0.5	0.6	0.5	0.6	0.4	0.5	0.4	0.6	0.5	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)	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	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.1	0.2	0.3	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.3
26.	Iron	mg/L	0.2	0.3	0.2	0.3	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	mg/L	0.2	0.1	0.3	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1
29.	Nitrate Nitrogen as NO3-N	mg/L	8.5	7.6	9.4	6.4	10.8	10.3	5.6	4.9	6.2	6.4	6.2	10.8

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. Shiva Pharmachem Pvt. Ltd.)

April 2025 to June 2025														
Wastewater Samples		Month	April 2025				May 2025				June 2025				
		Date of Sampling	02/04/25	11/04/25	17/04/25	23/04/25	01/05/25	06/05/25	14/05/25	24/05/25	02/06/25	09/06/25	11/06/25	17/06/25	24/06/25
S. No.	Test Parameters	Unit	Result												
01.	Temperature	^{0}C	30	32	32	30	29	29	27	27	30	27	29	29	26
02.	pH at 25^{0}C	pH unit	7.38	7.36	7.46	7.46	7.36	7.36	7.35	7.36	7.52	7.34	7.18	7.54	7.27
03.	Total Suspended Solids (TSS)	mg/L	36	39	41	41	36	40	36	39	39	40	50	41	36
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	246	395	242	321	275	342	342	178	315	326	482	257	241
06.	Oil & grease	mg/L	1.5	2.4	1.6	2.5	3.2	1.9	2.6	1.8	1.9	1.6	2.4	1.8	2.3
07.	Fluoride	mg/L	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.6	0.4	0.4	0.4	0.4
08.	Sulphide	mg/L	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.3	0.3	0.3	0.3
09.	Ammonical Nitrogen	mg/L	4.6	4.2	4.3	4.1	4.2	3.2	4.2	3.2	5.4	2.6	2.9	3.1	3.2
10.	Total Kjeldahl Nitrogen	mg/L	6.5	6.6	7.2	6.2	3.6	5.4	8.6	6.0	9.2	5.3	5.4	6.5	6.6
11.	Free Ammonia	mg/L	0.25	0.25	0.25	0.15	0.20	0.22	0.20	0.15	0.25	0.10	0.26	0.10	0.25
12.	Copper	mg/L	0.11	0.15	0.10	0.10	0.15	0.10	0.10	0.10	0.10	0.11	0.15	0.12	0.13
13.	Zinc	mg/L	0.16	0.12	0.11	0.1	0.11	0.15	0.1	0.15	0.15	0.12	0.10	0.11	0.10
14.	BOD 3 days at 27^{0}C	mg/L	47	52	55	54	47	53	48	51	52	53	50	52	47
15.	COD	mg/L	142	156	164	162	142	159	145	154	157	158	149	162	142
16	Total Residual Chlorine	mg/L	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.3	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)
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	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)
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	0.2	0.2	0.3	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.4	0.4	0.2
22.	Total Chromium	mg/L	0.4	0.4	0.4	0.2	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.5	0.4
23.	Nickel	mg/L	0.15	0.1	0.1	0.1	0.15	0.2	0.1	0.12	0.10	0.10	0.2	0.10	0.15
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL(DL-0.1)	BDL(DL-0.1)	BDL(DL- 0.1)	BDL(DL- 0.1)	BDL(DL-0.1)
25.	Phenolic compound	mg/L	0.12	0.2	0.2	0.2	0.12	0.2	0.2	0.10	0.15	0.12	0.2	0.12	0.13
26.	Iron	mg/L	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.10	0.1	0.13	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	mg/L	0.3	0.1	0.2	0.2	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2
29.	Nitrate Nitrogen as NO3-N	mg/L	4.2	3.5	3.6	3.6	4.5	2.5	2.8	2.5	3.4	2.0	2.1	2.8	2.9

Note: 1. Temperature, pH 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.)

July 2025 to September 2025																
Wastewater Samples		Month	July 2025				August 2025					September 2025				
		Date of Sampling	01/07/25	11/07/25	16/07/25	24/07/25	01/08/25	4/08/25	06/08/25	13/08/25	20/08/25	01/09/25	05/09/25	11/09/25	17/09/25	23/09/25
S. No.	Test Parameters	Unit	Result													
01.	Temperature	^{0}C	30	28	31	29	30	28	28	28	27	28	25	29	28	31
02.	pH at 25^{0}C	pH unit	7.33	7.54	7.23	7.35	7.33	7.68	7.44	7.45	7.47	7.35	7.41	7.20	7.47	7.63
03.	Total Suspended Solids (TSS)	mg/L	40	30	32	32	37	31	39	37	35	32	34	40	33	34
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	345	354	158	215	142	324	312	193	315	128	248	254	339	348
06.	Oil & grease	mg/L	2.1	1.4	1.8	1.3	2.1	1.6	1.8	1.9	2.4	1.5	1.5	1.6	1.8	2.4
07.	Fluoride	mg/L	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.5	0.6
08.	Sulphide	mg/L	0.4	0.4	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.4	0.4
09.	Ammonical Nitrogen	mg/L	3.2	3.1	3.2	3.2	5.4	3.4	5.9	2.4	3.6	3.7	1.9	2.1	2.1	2.4
10.	Total Kjeldahl Nitrogen	mg/L	6.2	5.2	6.1	6.1	6.8	5.6	7.6	4.6	6.4	5.9	3.2	4.0	4.9	5.1
11.	Free Ammonia	mg/L	0.12	0.20	0.18	0.1	0.15	0.20	0.25	0.20	0.25	0.09	0.12	0.25	0.28	0.25
12.	Copper	mg/L	0.15	0.15	0.10	0.15	0.10	0.10	0.10	0.15	0.10	0.12	0.10	0.18	0.12	0.15
13.	Zinc	mg/L	0.10	0.10	0.10	0.10	0.12	0.12	0.12	0.10	0.1	0.10	0.1	0.10	0.10	0.10
14.	BOD 3 days at 27^{0}C	mg/L	53	42	46	43	49	44	51	49	46	43	49	53	43	45
15.	COD	mg/L	158	135	154	129	148	132	154	148	138	128	148	159	130	134
16	Total Residual Chlorine	mg/L	0.3	0.2	0.2	0.1	0.1	0.1	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)	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	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)
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	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.3	0.3
22.	Total Chromium	mg/L	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.5
23.	Nickel	mg/L	0.13	0.15	0.15	0.15	0.10	0.10	0.10	0.15	0.12	0.12	0.12	0.10	0.16	0.12
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.16	0.15	0.10	0.1	0.12	0.12	0.12	0.2	0.18	0.15	0.2	0.2	0.2	0.15
26.	Iron	mg/L	0.2	0.12	0.1	0.2	0.1	0.10	0.10	0.1	0.15	0.4	0.1	0.1	0.1	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	mg/L	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.2
29.	Nitrate Nitrogen as NO3-N	mg/L	2.8	2.8	2.5	2.2	3.4	2.2	3.2	2.0	2.9	4.6	1.5	1.8	1.9	2.0

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

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

April 2025 to June 2025													
Wastewater Samples		Month	April 2025				May 2025				June 2025		
		Date of Sampling	04/04/25	10/04/25	22/04/25	24/04/25	05/05/25	13/05/25	16/05/25	22/05/25	04/06/25	12/06/25	23/06/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	^{0}C	31	31	31	29	29	31	29	30	29	30	27
02.	pH at 25^{0}C	pH unit	7.39	7.82	7.95	7.84	7.85	7.85	8.45	7.45	7.67	8.85	7.95
03.	Total Suspended Solids (TSS)	mg/L	44	45	44	42	45	42	42	43	40	42	40
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	325	362	368	382	354	358	315	351	354	353	336
06.	Oil & grease	mg/L	4.8	4.6	3.8	3.1	3.5	4.3	3.2	3.6	4.5	3.6	4.2
07.	Fluoride	mg/L	0.6	0.4	0.4	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.4
08.	Sulphide	mg/L	0.5	0.3	0.3	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.3
09.	Ammonical Nitrogen	mg/L	7.2	9.2	6.5	6.5	8.4	7.9	5.6	8.9	6.9	8.4	10.4
10.	Total Kjeldahl Nitrogen	mg/L	10.6	14.5	10.1	8.4	11.6	12.1	10.4	12.5	12.4	13.5	16.2
11.	Free Ammonia	mg/L	0.21	0.21	0.20	0.28	0.25	0.25	0.28	0.25	0.25	0.25	0.22
12.	Copper	mg/L	0.15	0.10	0.12	0.16	0.16	0.12	0.15	0.15	0.11	0.12	0.13
13.	Zinc	mg/L	0.11	0.16	0.10	0.12	0.12	0.15	0.12	0.12	0.1	0.10	0.10
14.	BOD 3 days at 27^{0}C	mg/L	59	59	58	56	59	56	56	57	52	38	53
15.	COD	mg/L	176	179	174	167	178	168	168	172	159	168	158
16	Total Residual Chlorine	mg/L	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	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)
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	0.25	0.2	0.2	0.25	0.28	0.3	0.3	0.25	0.2	0.1
20.	Cadmium	mg/L	BDL (DL-0.05)	0.04	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	0.03	0.05	BDL (DL-0.05)	0.03	0.02	0.02
21.	Hexavalent Chromium	mg/L	0.4	0.2	0.2	0.4	0.3	0.3	0.3	0.3	0.4	0.2	0.2
22.	Total Chromium	mg/L	0.5	0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.3	0.3
23.	Nickel	mg/L	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1
24.	Cyanide	mg/L	Absent	Absent	Absent	Absent	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.1	0.2	0.3	0.2	0.1	0.1	0.2	0.1	0.1	0.2
26.	Iron	mg/L	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.3	0.2	0.2	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL- 0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL-0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	5.4	7.2	5.2	5.1	4.6	5.1	4.6	6.8	5.2	6.2	8.2
Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite. 2. BDL – Below Detection Limit, DL – Detection Limit													

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

July 2025 to September 2025												
Wastewater Samples		Month	July 2025				August 2025			September 2025		
		Date of Sampling	02/07/25	08/07/25	15/07/25	23/07/25	05/08/25	14/08/25	25/08/25	02/09/25	08/09/25	18/09/25
S. No.	Test Parameters	Unit	Result									
01.	Temperature	^{0}C	29	29	31	28	28	28	27	29	28	28
02.	pH at 25^{0}C	pH unit	7.82	7.89	7.93	7.91	7.84	7.54	7.33	7.52	7.42	7.52
03.	Total Suspended Solids (TSS)	mg/L	42	35	36	42	36	34	44	35	28	38
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	246	312	259	215	158	215	252	282	126	254
06.	Oil & grease	mg/L	3.7	2.4	3.2	2.1	1.5	2.8	2.0	1.6	3.2	2.8
07.	Fluoride	mg/L	0.5	0.3	0.5	0.5	0.4	0.4	0.4	0.5	0.3	0.5
08.	Sulphide	mg/L	0.4	0.2	0.4	0.4	0.3	0.3	0.3	0.4	0.2	0.4
09.	Ammonical Nitrogen	mg/L	5.8	7.4	6.9	5.4	3.4	6.1	8.4	3.6	3.5	7.4
10.	Total Kjeldahl Nitrogen	mg/L	8.4	10.8	9.4	7.6	6.8	8.6	11.3	6.2	6.4	10.6
11.	Free Ammonia	mg/L	0.22	0.29	0.23	0.22	0.25	0.25	0.25	0.14	0.20	0.29
12.	Copper	mg/L	0.10	0.18	0.10	0.14	0.12	0.15	0.12	0.10	0.15	0.18
13.	Zinc	mg/L	0.13	0.12	0.11	0.11	0.10	0.10	0.10	0.12	0.10	0.12
14.	BOD 3 days at 27^{0}C	mg/L	56	47	51	56	48	45	58	46	52	51
15.	COD	mg/L	168	148	159	168	143	136	174	139	157	152
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.2	0.2	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)
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	0.09	0.1	0.3	0.05	0.1	0.2	0.1	0.3	0.2
20.	Cadmium	mg/L	0.02	0.02	0.03	0.05	0.03	0.05	0.07	0.02	0.05	0.03
21.	Hexavalent Chromium	mg/L	0.3	0.3	0.3	0.3	0.2	0.4	0.4	0.3	0.3	0.3
22.	Total Chromium	mg/L	0.5	0.5	0.4	0.4	0.4	0.5	0.6	0.5	0.4	0.4
23.	Nickel	mg/L	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.1
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.2	0.1	0.2	0.3	0.1	0.2	0.2	0.2	0.2	0.2
26.	Iron	mg/L	0.1	0.3	0.1	0.2	0.2	0.1	0.1	0.3	0.1	0.1
27.	Vanadium	mg/L	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.3	6.4	5.9	4.8	2.4	4.6	6.9	2.8	2.9	5.9

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

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

April 2025 to June 2025											
Wastewater Samples		Month	April 2025			May 2025		June 2025			
		Date of Sampling	03/04/25	10/04/25	22/04/25	05/05/25	10/05/25	09/06/25	13/06/25	18/06/25	23/06/25
S. No.	Test Parameters	Unit	Result								
01.	Temperature	^{0}C	29	29	29	30	28	31	28	28	28
02.	pH at 250C	pH unit	7.64	7.54	7.48	7.65	7.36	7.51	7.46	7.34	7.35
03.	Total Suspended Solids (TSS)	mg/L	33	42	42	39	43	35	42	38	35
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	325	259	318	278	218	326	346	254	252
06.	Oil & grease	mg/L	2.6	3.4	3.2	2.3	4.2	2.1	3.4	3.6	3.2
07.	Fluoride	mg/L	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5
08.	Sulphide	mg/L	0.4	0.3	0.4	0.3	0.3	0.4	0.4	0.4	0.4
09.	Ammonical Nitrogen	mg/L	5.8	7.2	7.9	6.8	7.2	7.3	5.2	6.9	7.2
10.	Total Kjeldahl Nitrogen	mg/L	9.6	9.8	10.3	9.2	10.2	11.6	9.4	11.4	12.1
11.	Free Ammonia	mg/L	0.16	0.16	0.28	0.15	0.15	0.12	0.25	0.12	0.13
12.	Copper	mg/L	0.20	0.12	0.15	0.10	0.25	0.1	0.12	0.20	0.12
13.	Zinc	mg/L	0.18	0.13	0.13	0.11	0.15	0.14	0.10	0.13	0.1
14.	BOD 3 days at 270C	mg/L	44	56	56	51	57	46	57	49	48
15.	COD	mg/L	132	168	168	154	172	139	168	152	145
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.2	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)
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	0.15	0.15	0.1	0.16	0.25	0.21	0.3	0.24	0.3
20.	Cadmium	mg/L	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	0.4	0.1	0.3	0.3	0.4	0.4	0.3	0.4
22.	Total Chromium	mg/L	0.5	0.5	0.3	0.5	0.5	0.5	0.5	0.4	0.5
23.	Nickel	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.1
26.	Iron	mg/L	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.1	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	mg/L	0.2	0.1	0.2	0.1	0.3	0.2	0.2	0.1	0.2
29.	Nitrate Nitrogen as NO3-N	mg/L	4.3	5.3	5.4	3.9	5.8	5.9	4.9	5.5	5.2

Note: 1. Temperature, pH 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.)

July 2025 to September 2025											
Wastewater Samples		Month	July 2025			August 2025			September 2025		
		Date of Sampling	04/07/25	08/07/25	21/07/25	05/08/25	14/08/25	21/08/25	04/09/25	10/09/25	16/09/25
S. No.	Test Parameters	Unit	Result								
01.	Temperature	0C	28	29	28	28	29	28	27	28	29
02.	pH at 250C	pH unit	7.41	7.47	7.26	7.15	7.30	7.35	7.50	7.45	7.60
03.	Total Suspended Solids (TSS)	mg/L	39	32	37	41	41	45	40	32	41
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	284	259	284	248	225	242	189	210	252
06.	Oil & grease	mg/L	3.6	2.5	2.5	2.3	3.1	2.5	2.4	2.8	2.5
07.	Fluoride	mg/L	0.6	0.6	0.4	0.3	0.5	0.5	0.4	0.4	0.6
08.	Sulphide	mg/L	0.4	0.4	0.3	0.2	0.4	0.4	0.3	0.3	0.5
09.	Ammonical Nitrogen	mg/L	7.8	8.4	6.8	5.8	5.9	5.4	3.1	5.2	3.8
10.	Total Kjeldahl Nitrogen	mg/L	10.2	11.9	10.2	7.9	7.6	8.9	6.4	8.4	9.4
11.	Free Ammonia	mg/L	0.28	0.32	0.20	0.25	0.22	0.25	0.17	0.24	0.26
12.	Copper	mg/L	0.10	0.21	0.18	0.15	0.13	0.13	0.13	0.12	0.15
13.	Zinc	mg/L	0.13	0.17	0.16	0.10	0.10	0.10	0.11	0.10	0.10
14.	BOD 3 days at 270C	mg/L	52	52	49	55	55	60	53	47	55
15.	COD	mg/L	157	159	146	164	165	179	159	142	165
16	Total Residual Chlorine	mg/L	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	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	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
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	0.3	0.3	0.3	0.4	0.4	0.2	0.4	0.3
22.	Total Chromium	mg/L	0.5	0.5	0.5	0.4	0.5	0.5	0.3	0.5	0.4
23.	Nickel	mg/L	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.3
26.	Iron	mg/L	0.3	0.2	0.2	0.1	0.2	0.1	0.2	0.3	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	mg/L	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1
29.	Nitrate Nitrogen as NO3-N	mg/L	5.4	6.9	5.4	4.3	4.2	3.6	2.4	4.5	3.2

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

4.23. Wastewater Monitoring Data (M/s. Sun Pharmaceutical Industries Ltd.)

April 2025 to June 2025														
Wastewater Samples		Month	April 2025				May 2025					June 2025			
		Date of Sampling	02/04/25	07/04/25	17/04/25	23/04/25	01/05/25	09/05/25	15/05/25	17/05/25	24/05/25	02/06/25	10/06/25	20/06/25	24/06/25
S. No.	Test Parameters	Unit	Result												
01.	Temperature	^{0}C	32	29	32	32	29	28	28	30	32	28	28	30	27
02.	pH at 25°C	pH unit	7.48	7.48	7.65	7.83	7.62	7.35	7.82	7.62	7.42	7.41	7.58	7.35	7.62
03.	Total Suspended Solids(TSS)	mg/L	40	41	39	43	35	41	40	42	40	39	40	35	43
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	242	254	321	318	283	356	352	179	158	352	362	362	325
06.	Oil & grease	mg/L	2.3	2.9	2.8	3.8	3.2	3.8	2.4	3.6	3.6	3.4	2.4	3.5	3.2
07.	Fluoride	mg/L	0.6	0.6	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.6	0.4
08.	Sulphide	mg/L	0.5	0.5	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.3
09.	Ammonical Nitrogen	mg/L	7.8	5.8	6.5	7.2	7.2	5.8	4.6	5.9	4.8	8.5	6.9	5.4	8.4
10.	Total Kjeldahl Nitrogen	mg/L	10.3	10.1	9.4	10.5	10.6	8.4	6.9	7.8	6.5	13.2	10.3	10.2	12.5
11.	Free Ammonia	mg/L	0.25	0.25	0.25	0.25	0.28	0.22	0.25	0.21	0.22	0.22	0.25	0.23	0.28
12.	Copper	mg/L	0.03	0.05	0.03	0.03	0.05	0.05	0.02	0.02	0.05	0.02	0.07	0.03	0.04
13.	Zinc	mg/L	0.14	0.15	0.15	0.10	0.16	0.19	0.10	0.10	0.18	0.15	0.15	0.15	0.15
14.	BOD 3 days at 270C	mg/L	53	54	51	58	47	54	53	56	53	48	52	58	57
15.	COD	mg/L	158	163	154	173	141	162	158	169	158	154	164	152	172
16	Total Residual Chlorine	mg/L	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	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)
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	0.08	0.05	0.04	0.08	0.03	0.06	0.05	0.05	0.05	0.12	0.08	0.04	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	0.2	0.3	0.3	0.3	0.2	0.4	0.2	0.4	0.2	0.3	0.3	0.3	0.3
22.	Total Chromium	mg/L	0.4	0.4	0.4	0.4	0.4	0.6	0.4	0.5	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	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.1	0.1	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	0.2	0.2	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.3	0.3
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	5.8	4.6	4.6	5.8	5.4	4.2	2.8	3.4	3.4	6.9	5.2	4.9	6.5

Note: 1. Temperature, pH 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.)

July 2025 to August 2025													
Wastewater Samples		Month	July 2025			August 2025			September 2025				
		Date of Sampling	03/07/25	14/07/25	22/07/25	18/08/25	22/08/25	26/08/25	03/09/25	09/09/25	15/09/25	19/09/25	22/09/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	^{0}C	28	28	28	27	27	28	28	29	28	31	30
02.	pH at 25^{0}C	pH unit	7.72	7.89	7.84	7.95	7.84	7.95	7.68	7.95	8.31	8.13	8.25
03.	Total Suspended Solids (TSS)	mg/L	36	38	45	42	33	39	42	40	38	43	35
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	284	268	326	312	231	315	248	362	278	346	352
06.	Oil & grease	mg/L	3.2	3.2	3.2	2.9	2.4	2.8	2.5	2.2	3.4	3.8	2.3
07.	Fluoride	mg/L	0.4	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.6	0.6	0.4
08.	Sulphide	mg/L	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.5	0.5	0.3
09.	Ammonical Nitrogen	mg/L	6.2	5.9	7.9	4.6	4.9	4.8	2.9	4.6	5.6	6.2	2.6
10.	Total Kjeldahl Nitrogen	mg/L	8.4	8.4	10.2	6.3	.2	6.2	4.6	7.5	8.4	9.1	4.9
11.	Free Ammonia	mg/L	0.23	0.23	0.25	0.25	0.28	0.25	0.20	0.28	0.20	0.28	0.12
12.	Copper	mg/L	0.05	0.05	0.05	0.04	0.06	0.06	0.3	0.03	0.05	0.05	0.05
13.	Zinc	mg/L	0.10	0.10	0.10	0.12	0.15	0.13	0.6	0.15	0.10	0.10	0.15
14.	BOD 3 days at 27^{0}C	mg/L	47	52	60	56	44	51	56	54	51	57	46
15.	COD	mg/L	142	164	179	168	132	154	169	162	152	172	138
16	Total Residual Chlorine	mg/L	0.3	0.3	0.2	0.2	0.2	0.1	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)
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	0.05	0.06	0.2	0.05	0.04	0.02	0.08	0.03	0.02	0.07	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)
21.	Hexavalent Chromium	mg/L	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.2	0.2	0.4	0.2
22.	Total Chromium	mg/L	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.3	0.4	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)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.3	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.2	0.2
26.	Iron	mg/L	0.2	0.1	0.3	0.1	0.1	0.1	0.6	0.2	0.2	0.3	0.3
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.8	4.6	6.5	3.2	3.6	4.0	2.1	3.8	4.6	5.2	2.1

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. Coromandal International Ltd.)

April 2025 to June 2025													
Wastewater Samples		Month	April 2025			May 2025					June 2025		
		Date of Sampling	03/04/25	08/04/25	11/04/25	19/04/25	02/05/25	08/05/25	13/05/25	22/05/25	09/06/25	18/06/25	23/06/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	^{0}C	28	29	28	32	29	29	32	29	31	27	28
02.	pH at 25^{0}C	pH unit	7.28	7.38	7.43	7.62	7.62	7.46	7.56	7.42	7.27	7.35	7.35
03.	Total Suspended Solids (TSS)	mg/L	34	33	36	38	36	37	34	38	42	34	33
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	356	182	312	364	276	346	342	362	369	369	248
06.	Oil & grease	mg/L	2.8	4.2	2.1	2.4	4.2	3.6	4.6	2.8	2.8	2.4	3.2
07.	Fluoride	mg/L	0.6	0.6	0.4	0.4	0.5	0.5	0.6	0.5	0.4	0.4	0.6
08.	Sulphide	mg/L	0.5	0.5	0.3	0.3	0.4	0.4	0.5	0.4	0.3	0.3	0.5
09.	Ammonical Nitrogen	mg/L	5.3	6.2	5.4	5.2	5.2	5.4	4.6	6.2	4.6	6.2	4.8
10.	Total Kjeldahl Nitrogen	mg/L	7.9	9.4	7.9	8.2	8.6	8.9	7.5	8.4	8.3	10.2	7.6
11.	Free Ammonia	mg/L	0.23	0.21	0.28	0.22	0.25	0.25	0.25	0.22	0.25	0.21	0.26
12.	Copper	mg/L	0.05	0.04	0.05	0.04	0.03	0.05	0.02	0.02	0.03	0.04	0.03
13.	Zinc	mg/L	0.1	0.13	0.13	0.1	0.12	0.16	0.15	0.13	0.15	0.12	0.15
14.	BOD 3 days at 27^{0}C	mg/L	46	44	48	51	47	50	46	51	56	42	43
15.	COD	mg/L	137	131	143	152	142	149	137	152	169	142	130
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.1	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)
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	0.06	0.03	0.03	0.03	0.04	0.06	0.03	0.05	0.06	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)
21.	Hexavalent Chromium	mg/L	0.2	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.4	0.4	0.4
22.	Total Chromium	mg/L	0.3	0.5	0.5	0.4	0.6	0.5	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)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.3	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.1	0.2
26.	Iron	mg/L	0.1	0.3	0.2	0.2	0.2	0.3	0.1	0.2	0.1	0.2	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.5	4.9	2.7	4.5	4.1	4.1	5.5	5.2	3.9	5.6	4.2

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.)

July 2025 to August 2025													
Wastewater Samples		Month	July 2025				August 2025				September 2025			
		Date of Sampling	04/07/25	08/07/25	15/07/25	21/07/25	02/08/25	07/08/25	11/08/25	21/08/25	04/09/25	10/09/25	18/09/25	24/09/25
S. No.	Test Parameters	Unit	Result											
01.	Temperature	^{0}C	29	28	28	29	29	29	28	27	26	28	27	30
02.	pH at 25^{0}C	pH unit	7.38	7.34	7.55	7.45	7.84	7.45	7.89	7.34	7.10	7.35	7.24	7.42
03.	Total Suspended Solids (TSS)	mg/L	31	27	24	35	36	39	35	32	30	21	36	32
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	352	179	251	332	152	184	278	235	216	135	234	212
06.	Oil & grease	mg/L	1.8	2.1	2.2	2.4	2.8	1.8	2.8	1.5	1.8	2.8	2.3	1.7
07.	Fluoride	mg/L	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.6	0.4	0.5	0.5	0.3
08.	Sulphide	mg/L	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.5	0.3	0.4	0.4	0.2
09.	Ammonical Nitrogen	mg/L	5.2	5.4	4.2	5.2	4.8	3.2	3.5	5.8	5.2	5.8	5.6	2.8
10.	Total Kjeldahl Nitrogen	mg/L	9.4	7.2	6.3	8.6	7.0	5.8	6.0	8.4	7.6	8.9	8.9	4.1
11.	Free Ammonia	mg/L	0.25	0.21	0.20	0.28	0.25	0.21	0.25	0.25	0.25	0.25	0.24	0.16
12.	Copper	mg/L	0.05	0.05	0.02	0.05	0.03	0.03	0.05	0.03	0.01	0.04	0.05	0.01
13.	Zinc	mg/L	0.10	0.10	0.10	0.10	0.15	0.12	0.12	0.16	0.10	0.10	0.10	0.10
14.	BOD 3 days at 27^{0}C	mg/L	41	31	35	46	48	51	46	43	45	46	48	42
15.	COD	mg/L	124	108	110	138	143	154	139	129	135	138	143	126
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	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)
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	0.02	0.02	0.05	0.02	0.05	0.04	0.04	0.05	0.02	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)
21.	Hexavalent Chromium	mg/L	0.3	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2
22.	Total Chromium	mg/L	0.5	0.4	0.4	0.4	0.3	0.4	0.5	0.4	0.4	0.4	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)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.3	0.2	0.1
26.	Iron	mg/L	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.3	0.2	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.3	4.5	3.4	4.6	3.4	2.8	2.3	4.8	3.6	4.3	4.3	2.2

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.GIDC Drainage Pumping Station C-2)

April 2025 to June 2025												
Wastewater Samples		Month	April 2025					May 2025			May 2025		
		Date of Sampling	04/04/25	07/04/25	17/04/25	21/04/25	23/04/25	03/05/25	09/05/25	14/05/25	03/06/25	10/06/25	25/06/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	^{0}C	32	32	31	32	31	30	32	31	30	32	32
02.	pH at 25^{0}C	pH unit	7.58	7.52	7.52	7.84	7.84	7.54	7.58	7.84	7.54	7.78	7.41
03.	Total Suspended Solids (TSS)	mg/L	116	113	93	107	91	103	75	96	90	85	99
04.	Color	mg/L	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH
05.	Sulphate	mg/L	458	452	462	542	518	469	358	546	726	625	546
06.	Oil & grease	mg/L	4.2	5.6	6.4	5.9	7.2	6.9	5.8	8.7	6.8	6.9	6.2
07.	Fluoride	mg/L	1.5	1.5	1.3	2.3	1.5	1.9	1.8	1.8	0.9	0.7	1.5
08.	Sulphide	mg/L	1.2	1.0	1.0	1.5	1.0	1.2	1.2	1.5	2.2	1.0	1.0
09.	Ammonical Nitrogen	mg/L	13.8	16.4	17.4	12.7	12.8	15.7	10.8	14.2	15.8	13.8	23.6
10.	Total Kjeldahl Nitrogen	mg/L	16.5	20.1	23.1	16.4	16.2	19.2	15.2	20.1	23.2	17.4	28.4
11.	Free Ammonia	mg/L	0.82	0.58	0.72	0.92	0.57	0.75	0.65	0.62	0.75	0.60	1.2
12.	Copper	mg/L	0.62	0.62	0.54	0.74	0.48	0.60	0.51	0.52	0.68	0.45	0.78
13.	Zinc	mg/L	0.45	0.40	0.38	0.52	0.52	0.42	0.42	0.4	0.45	0.40	0.56
14.	BOD 3 days at 27^{0}C	mg/L	154	151	124	143	121	137	99	128	115	110	132
15.	COD	mg/L	462	452	372	428	364	412	298	384	358	352	395
16	Total Residual Chlorine	mg/L	0.5	0.5	0.5	0.5	0.4	0.3	0.5	0.3	0.5	0.4	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	0.5	0.6	0.5	0.6	1.2	0.4	0.6	0.4	0.6	0.65	0.52
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	1.5	1.7	1.5	1.5	1.2	1.2	1.5	1.3	0.9	0.8	0.6
22.	Total Chromium	mg/L	2.1	2.2	2.8	2.2	2.0	2.0	2.5	2.0	1.1	1.1	1.4
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)
24.	Cyanide	mg/L	Absent	Absent	Absent	Absent	Absent	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.5	0.7	0.6	0.6	0.6	0.5	0.6	0.4	0.5	0.7	0.6
26.	Iron	mg/L	0.4	0.5	0.4	0.4	0.4	0.3	0.5	0.3	0.4	0.6	0.4
27.	Vanadium	mg/L	BDL (DL- 0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL- 0.2)	BDL (DL-0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL-0.2)	BDL (DL- 0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	10.5	12.8	13.7	9.4	8.9	9.4	8.6	11.5	10.8	10.9	16.5
30.	Bio-Assay Test	% survival of fish after 96 hrs. in 100% effluent	70	70	80	70	80	80	80	70	80	70	70

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)

July 2025 to September 2025							
Wastewater Samples		Month	July 2025		August 2025	September 2025	
		Date of Sampling	03/07/25	16/07/25	04/08/25	03/09/25	23/09/25
S. No.	Test Parameters	Unit	Result				
01.	Temperature	0°C	31	32	29	30	34
02.	pH at 25^{0}C	pH unit	7.81	7.78	6.89	7.28	7.89
03.	Total Suspended Solids (TSS)	mg/L	84	73	90	62	116
04.	Color	mg/L	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH
05.	Sulphate	mg/L	548	584	462	432	518
06.	Oil & grease	mg/L	5.9	5.2	4.6	3.8	5.8
07.	Fluoride	mg/L	1.3	0.7	1.1	1.3	1.3
08.	Sulphide	mg/L	1.0	1.8	0.8	1.2	1.8
09.	Ammonical Nitrogen	mg/L	24.3	15.7	15.4	10.4	16.2
10.	Total Kjeldahl Nitrogen	mg/L	26.8	22.1	20.1	15.3	22.4
11.	Free Ammonia	mg/L	0.65	0.68	0.58	0.35	0.62
12.	Copper	mg/L	0.43	0.54	0.45	0.52	0.38
13.	Zinc	mg/L	0.35	0.42	0.30	0.33	0.28
14.	BOD 3 days at 27^{0}C	mg/L	120	116	119	95	154
15.	COD	mg/L	359	384	358	325	462
16	Total Residual Chlorine	mg/L	0.5	0.4	0.3	0.4	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)
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	0.7	0.5	0.5	0.4	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)
21.	Hexavalent Chromium	mg/L	0.5	0.7	0.7	0.6	0.6
22.	Total Chromium	mg/L	1.3	1.3	1.1	1.3	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)
24.	Cyanide	mg/L	BDL(DL- 0.1)	BDL(DL- 0.1)	BDL(DL- 0.1)	BDL(DL- 0.1)	BDL(DL- 0.1)
25.	Phenolic compound	mg/L	0.4	0.4	0.3	0.1	0.3
26.	Iron	mg/L	0.3	0.5	0.2	0.2	0.4
27.	Vanadium	mg/L	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)
28.	Manganese	mg/L	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)
29.	Nitrate Nitrogen as NO_3-N	mg/L	20.8	12.4	11.3	7.6	12.8
30.	Bio-Assay Test	% survival of fish after 96 hrs. in 100% effluent	70	80	80	70	70

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

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

April 2025 to June 2025													
Wastewater Samples		Month	April 2025		May 2025					June 2025			
		Date of Sampling	04/04/25	22/04/25	05/05/25	13/05/25	16/05/25	22/05/25	28/05/25	04/06/25	12/06/25	23/06/25	30/06/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	^{0}C	31	34	31	30	32	33	32	32	31	28	28
02.	pH at 25^{0}C	pH unit	7.38	7.46	7.74	7.34	7.46	7.52	7.36	7.36	7.24	7.44	7.62
03.	Total Suspended Solids (TSS)	mg/L	39	37	40	37	35	34	34	36	35	33	36
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	242	328	352	269	275	248	165	262	234	272	231
06.	Oil & grease	mg/L	3.1	2.6	1.8	3.4	2.8	2.1	1.5	3.1	3.1	2.5	3.5
07.	Fluoride	mg/L	0.4	0.4	0.3	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4
08.	Sulphide	mg/L	0.3	0.3	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3
09.	Ammonical Nitrogen	mg/L	5.4	4.6	4.2	5.2	4.2	5.4	2.4	7.2	5.2	6.5	4.6
10.	Total Kjeldahl Nitrogen	mg/L	6.5	7.0	6.2	8.4	7.5	7.2	5.2	13.8	9.4	10.2	7.6
11.	Free Ammonia	mg/L	0.25	0.15	0.12	0.12	0.18	0.15	0.15	0.18	0.24	0.18	0.20
12.	Copper	mg/L	0.02	0.02	0.03	0.01	0.01	0.03	0.02	0.02	0.02	0.02	0.02
13.	Zinc	mg/L	0.15	0.10	0.15	0.15	0.15	0.15	0.10	0.10	0.10	0.18	0.12
14.	BOD 3 days at 27^{0}C	mg/L	51	49	53	49	46	45	45	45	45	44	47
15.	COD	mg/L	154	146	159	146	138	134	134	142	141	132	142
16	Total Residual Chlorine	mg/L	0.2	0.1	0.2	0.2	0.2	0.1	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)	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	0.04	0.05	0.04	0.05	0.08	0.02	0.05	0.04	0.03	0.05
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	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.4	0.2	0.4	0.2
22.	Total Chromium	mg/L	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.4	0.5	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)
24.	Cyanide	mg/L	ABSENT	ABSENT	BDL(DL- 0.1)	BDL(DL- 0.1)	BDL(DL- 0.1)	BDL(DL- 0.1)	BDL(DL- 0.1)	BDL(DL- 0.1)	BDL(DL- 0.1)	BDL(DL- 0.1)	BDL(DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.1	0.2	0.3	0.3	0.2	0.1	0.2	0.2	0.1	0.2
26.	Iron	mg/L	0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.3	3.2	3.6	3.9	3.0	3.8	1.9	6.5	4.3	4.8	4.2
Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite. 2. BDL – Below Detection Limit, DL – Detection Limit													

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

July 2025 to September 2025													
Wastewater Samples		Month	July 2025					August 2025			September 2025			
		Date of Sampling	04/07/25 5:55 PM	04/07/25 11:10 PM (Night)	08/07/25	15/07/25	23/07/25	05/08/25	14/08/25	19/08/25	02/09/25	08/09/25	09/09/25	18/09/25
S. No.	Test Parameters	Unit	Result											
01.	Temperature	0C	29	32	30	34	30	32	30	32	30	29	30	30
02.	pH at 250C	pH unit	7.72	7.32	7.65	7.41	7.34	7.45	7.34	7.38	7.45	7.62	7.84	7.35
03.	Total Suspended Solids (TSS)	mg/L	35	18	29	29	34	29	32	35	31	32	30	34
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	184	142	270	154	158	278	146	168	215	178	159	169
06.	Oil & grease	mg/L	2.1	2.9	1.9	3.5	2.8	1.3	2.4	2.4	1.4	1.6	1.8	1.8
07.	Fluoride	mg/L	0.5	0.3	0.3	0.5	0.3	0.4	0.6	0.4	0.5	0.5	0.4	0.5
08.	Sulphide	mg/L	0.4	0.2	0.2	0.3	0.2	0.3	0.4	0.3	0.4	0.4	0.2	0.4
09.	Ammonical Nitrogen	mg/L	4.6	4.6	3.8	5.1	6.5	3.1	3.2	2.9	3.2	3.7	2.9	3.5
10.	Total Kjeldahl Nitrogen	mg/L	8.5	6.8	5.4	8.5	9.1	5.0	6.9	4.6	5.8	5.8	5.4	6.2
11.	Free Ammonia	mg/L	0.25	0.20	0.28	0.15	0.20	0.15	0.25	0.21	0.09	0.25	0.20	0.28
12.	Copper	mg/L	0.01	0.01	0.04	0.04	0.04	0.03	0.05	0.03	0.22	0.02	0.02	0.02
13.	Zinc	mg/L	0.15	0.1	0.15	0.12	0.10	0.10	0.10	0.12	0.4	0.15	0.1	0.13
14.	BOD 3 days at 270C	mg/L	46	19	35	40	45	38	43	46	41	47	41	45
15.	COD	mg/L	138	76	117	129	136	115	128	138	124	142	124	134
16	Total Residual Chlorine	mg/L	0.2	0.1	0.2	0.1	0.2	0.2	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)
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	0.02	0.04	0.05	0.04	0.03	0.06	0.04	0.05	0.05	0.03	0.05
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	0.3	0.2	0.3	0.3	0.3	0.2	0.4	0.4	0.3	0.3	0.2	0.3
22.	Total Chromium	mg/L	0.4	0.3	0.4	0.5	0.5	0.4	0.5	0.5	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)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.1	0.1	0.2	0.2	0.3	0.1	0.2	0.2	0.2	0.1	0.1	0.1
26.	Iron	mg/L	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.6	4.1	3.4	4.5	4.5	2.5	2.4	2.0	2.5	3.2	2.5	3.0

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

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

April 2025 to June 2025												
Wastewater Samples		Month	April 2025				May 2025		June 2025				
		Date of Sampling	04/04/25	10/04/25	19/04/25	24/04/25	05/05/25	16/05/25	04/06/25	09/06/25	12/06/25	23/06/25	30/06/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	^{0}C	30	30	32	32	32	32	33	33	32	32	29
02.	pH at 25^{0}C	pH unit	7.45	7.43	7.62	7.84	7.85	6.15	7.78	7.48	7.78	7.68	7.86
03.	Total Suspended Solids (TSS)	mg/L	99	95	93	113	81	95	92	87	89	125	107
04.	Color	mg/L	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED
05.	Sulphate	mg/L	489	384	458	352	426	458	625	526	542	625	478
06.	Oil & grease	mg/L	7.6	6.8	6.5	6.8	5.4	5.8	8.5	5.4	5.6	8.4	6.2
07.	Fluoride	mg/L	1.9	1.9	1.3	1.8	1.6	2.1	1.2	0.8	0.8	0.8	1.1
08.	Sulphide	mg/L	1.5	1.2	1.0	1.3	1.0	1.8	2.1	1.5	2.0	2.0	1.8
09.	Ammonical Nitrogen	mg/L	12.8	15.2	14.3	10.8	13.9	15.8	18.7	10.8	19.5	22.4	10.8
10.	Total Kjeldahl Nitrogen	mg/L	16.9	20.4	18.4	13.6	17.2	22.4	25.2	15.6	25.2	28.5	16.4
11.	Free Ammonia	mg/L	1.5	1.9	1.9	1.5	1.5	2.3	2.9	2.5	2.8	2.5	1.8
12.	Copper	mg/L	0.45	0.85	0.54	0.51	0.72	1.2	1.5	1.2	1.6	1.6	0.86
13.	Zinc	mg/L	1.6	1.5	1.6	1.6	1.2	1.0	1.2	1.5	1.5	1.1	1.5
14.	BOD 3 days at 27^{0}C	mg/L	131	126	124	150	108	126	108	115	138	172	142
15.	COD	mg/L	394	379	372	451	324	379	369	346	432	516	426
16	Total Residual Chlorine	mg/L	0.2	0.4	0.4	0.5	0.5	0.3	0.4	0.4	0.2	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	0.2	0.6	0.3	0.6	0.5	0.5	0.8	0.7	0.6	0.8	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)
21.	Hexavalent Chromium	mg/L	1.5	2.5	1.5	1.5	2.1	2.6	0.7	0.9	0.8	0.7	0.6
22.	Total Chromium	mg/L	2.0	3.2	2.8	2.1	3.0	3.5	0.9	1.0	1.5	1.3	1.0
23.	Nickel	mg/L	0.42	0.75	0.42	0.65	0.76	0.64	0.78	0.62	0.64	0.75	0.68
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.4	0.2	0.4	0.5	0.5	0.6	0.5	0.6	0.6	0.5
26.	Iron	mg/L	0.2	0.3	0.1	0.5	0.2	0.3	0.4	0.4	0.4	0.4	0.4
27.	Vanadium	mg/L	0.4	0.5	0.4	0.4	0.3	0.2	0.1	0.3	0.3	0.3	0.2
28.	Manganese	mg/L	0.1	0.4	0.1	0.3	0.4	0.3	0.2	0.3	0.2	0.5	0.3
29.	Nitrate Nitrogen as NO3-N	mg/L	10.1	10.8	10.7	7.8	9.5	12.1	14.8	7.6	15.4	18.5	8.4
30.	Bio-Assay Test	% survival of fish after 96 hrs. in 100% effluent	70	80	80	70	70	70	80	80	80	70	70

Note: 1. Temperature, pH 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)

July 2025 to September 2025												
Wastewater Samples		Month	July 2025				August 2025		September 2025			
		Date of Sampling	02/07/25	11/07/24	15/07/25	25/07/25	05/08/25	14/08/25	02/09/25	12/09/25	18/09/25	24/09/25
S. No.	Test Parameters	Unit	Result									
01.	Temperature	0°C	29	32	32	30	32	27	29	30	30	29
02.	pH at 250C	pH unit	7.81	7.78	7.84	7.36	7.25	7.89	7.54	8.50	7.82	7.28
03.	Total Suspended Solids (TSS)	mg/L	89	84	73	113	106	123	72	115	132	85
04.	Color	mg/L	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	Colourless	DARK RED	DARK RED
05.	Sulphate	mg/L	521	542	632	548	462	492	369	652	562	492
06.	Oil & grease	mg/L	7.6	5.2	6.9	5.2	5.2	3.5	4.6	6.9	7.4	3.6
07.	Fluoride	mg/L	1.0	1.3	0.7	0.8	1.2	1.1	1.3	1.3	1.1	1.0
08.	Sulphide	mg/L	1.3	2.5	1.4	2.0	2.1	1.5	2.5	2.5	2.5	1.3
09.	Ammonical Nitrogen	mg/L	20.1	23.1	18.4	22.4	16.2	10.4	14.2	16.2	10.9	15.4
10.	Total Kjeldahl Nitrogen	mg/L	23.6	25.8	23.8	26.1	20.4	13.6	21.4	22.5	16.2	21.2
11.	Free Ammonia	mg/L	2.5	2.5	2.5	2.3	2.0	2.0	0.34	2.5	2.5	2.3
12.	Copper	mg/L	1.5	1.8	1.2	1.4	1.5	1.1	1.2	1.52	1.8	1.2
13.	Zinc	mg/L	1.3	1.5	1.1	1.0	1.2	1.0	1.0	1.2	1.5	1.0
14.	BOD 3 days at 270C	mg/L	142	130	138	151	142	160	142	153	175	114
15.	COD	mg/L	425	395	436	452	425	492	426	459	526	341
16	Total Residual Chlorine	mg/L	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.5	0.5	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)
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	0.7	0.7	0.7	0.6	0.3	0.6	0.4	0.5	0.6	0.5
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)
21.	Hexavalent Chromium	mg/L	0.5	0.6	0.6	0.5	0.4	0.5	0.8	0.6	0.6	0.6
22.	Total Chromium	mg/L	0.8	1.2	1.2	1.1	1.0	1.0	1.5	1.2	1.2	1.2
23.	Nickel	mg/L	0.72	0.69	0.54	0.62	0.65	0.75	0.62	0.68	0.72	0.58
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.5	0.5	0.5	0.7	0.4	0.6	0.5	0.3	0.5	0.3
26.	Iron	mg/L	0.3	0.4	0.3	0.2	0.5	0.4	0.4	0.5	0.6	0.4
27.	Vanadium	mg/L	0.1	0.1	0.4	0.1	0.1	0.2	0.1	0.1	0.3	0.2
28.	Manganese	mg/L	0.2	0.4	0.1	0.4	0.2	0.4	0.3	0.2	0.2	0.1
29.	Nitrate Nitrogen as NO3-N	mg/L	16.9	18.7	16.2	16.4	10.1	7.3	9.8	12.8	7.6	13.6
30.	Bio-Assay Test	% survival of fish after 96 hrs. in 100% effluent	70	80	80	80	80	70	80	70	70	80

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 - C)

April 2025 to June 2025															
Wastewater Samples		Month	April 2025				May 2025					June 2025				
		Date of Sampling	02/04/25	11/04/25	17/04/25	23/04/25	01/05/25	06/05/25	14/05/25	17/05/25	24/05/25	02/06/25	09/06/25	11/06/25	17/06/25	24/06/25
S. No.	Test Parameters	Unit	Result													
01.	Temperature	^{0}C	32	30	31	30	30	31	29	29	30	30	33	33	29	30
02.	pH at 25^{0}C	pH unit	8.26	7.58	7.42	7.48	7.45	7.84	9.15	7.56	6.72	4.62	7.85	7.91	7.84	6.86
03.	Total Suspended Solids (TSS)	mg/L	121	100	117	110	72	78	82	92	114	107	98	85	89	96
04.	Color	mg/L	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK REDDISH	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED
05.	Sulphate	mg/L	426	542	570	482	389	462	469	685	462	458	592	685	756	625
06.	Oil & grease	mg/L	6.5	5.9	5.4	5.4	7.9	6.9	9.4	8.4	6.9	6.8	4.9	7.2	6.8	7.8
07.	Fluoride	mg/L	2.5	1.5	2.6	3.1	2.8	2.8	2.8	2.1	2.2	1.2	0.5	1.1	0.6	0.6
08.	Sulphide	mg/L	1..8	1.0	1.8	1.8	1.9	1.9	1.9	1.8	1.8	2.3	1.9	2.1	2.4	2.0
09.	Ammonical Nitrogen	mg/L	17.2	12.8	16.8	17.2	16.2	18.2	16.8	12.9	21.6	26.5	8.9	16.8	17.2	21.6
10.	Total Kjeldahl Nitrogen	mg/L	22.6	16.4	23.4	25.4	19.4	24.6	20.1	16.4	25.6	32.1	15.4	20.5	23.5	26.9
11.	Free Ammonia	mg/L	1.8	1.2	1.2	1.2	1.9	1.5	1.5	0.85	1.5	1.5	1.9	1.8	1.8	1.9
12.	Copper	mg/L	1.4	1.1	1.0	1.0	1.2	1.2	1.3	0.65	1.2	1.0	1.5	1.5	1.0	1.5
13.	Zinc	mg/L	0.65	0.62	0.65	0.68	0.54	0.72	0.82	0.40	0.75	0.75	0.76	0.68	0.64	1.2
14.	BOD 3 days at 27^{0}C	mg/L	161	133	156	146	96	104	110	123	152	143	142	110	149	128
15.	COD	mg/L	482	398	469	439	289	312	329	369	456	429	426	347	462	384
16	Total Residual Chlorine	mg/L	0.6	0.4	0.3	0.5	0.5	0.5	0.4	0.2	0.5	0.4	0.4	0.4	0.4	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)	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	1.5	2.3	1.6	1.5	1.2	1.8	1.6	0.6	1.9	0.7	0.6	0.7	2.4	1.2
20.	Cadmium	mg/L	BDL (DL-0.05)	1.6	1.1	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	2.2	1.2	1.3	1.8	2.0	2.5	1.8	1.8	2.5	0.6	0.8	0.8	0.5	0.7
22.	Total Chromium	mg/L	2.8	3.4	2.0	2.2	2.5	2.2	2.5	2.2	3.5	1.1	1.3	1.2	0.8	1.0
23.	Nickel	mg/L	0.5	0.5	0.4	0.5	0.6	0.6	0.4	BDL (DL- 0.3)	0.6	0.5	0.5	0.5	0.5	0.5
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.7	0.5	0.3	0.5	0.5	0.5	0.6	0.7	0.8	0.5	0.4	0.4	0.7	0.6
26.	Iron	mg/L	0.4	0.4	0.2	0.6	0.3	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.6	0.4
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	0.4	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	mg/L	1.8	1.2	1.2	1.6	1.5	1.5	1.2	BDL (DL- 0.01)	1.5	1.8	1.2	1.7	1.2	1.2
29.	Nitrate Nitrogen as NO3-N	mg/L	12.1	10.4	12.7	13.4	11.6	14.3	10.2	10.8	16.8	18.2	6.8	13.5	12.4	17.5
30	Bio-Assay Test	% survival of fish after 96 hrs. in 100% effluent	70	70	70	70	80	70	80	70	70	70	80	80	70	80

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)

July 2025 to September 2025													
Wastewater Samples		Month	July 2025				August 2025				September 2025			
		Date of Sampling	01/07/25	11/07/25	16/07/25	22/07/25	01/08/25	06/08/25	13/08/25	20/08/25	01/09/25	05/09/25	17/09/25	23/09/25
S. No.	Test Parameters	Unit	Result											
01.	Temperature	0°C	29	29	32	30	29	30	30	28	27	28	29	33
02.	pH at 25^{0}C	pH unit	8.54	8.24	7.81	8.25	8.54	8.54	8.52	7.55	8.50	8.42	7.87	6.85
03.	Total Suspended Solids (TSS)	mg/L	90	82	69	136	81	82	80	106	89	52	90	97
04.	Color	mg/L	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED	DARK RED
05.	Sulphate	mg/L	512	629	548	592	328	562	521	452	289	428	418	459
06.	Oil & grease	mg/L	7.2	4.9	5.4	5.9	4.2	6.4	4.8	4.9	3.2	4.9	6.4	5.4
07.	Fluoride	mg/L	1.1	0.7	0.7	1.3	0.6	1.2	0.8	0.5	0.5	0.7	0.8	0.7
08.	Sulphide	mg/L	2.5	2.1	1.8	2.1	1.2	2.0	1.4	0.6	1.0	1.5	1.3	1.3
09.	Ammonical Nitrogen	mg/L	26.8	20.4	13.2	15.4	10.4	18.4	14.9	8.9	16.8	8.4	12.4	12.8
10.	Total Kjeldahl Nitrogen	mg/L	30.1	25.6	16.8	21.8	13.9	23.3	18.6	12.4	20.4	12.7	16.9	16.2
11.	Free Ammonia	mg/L	1.6	2.4	1.4	1.2	1.5	1.2	1.5	2.0	3.4	0.32	2.5	1.8
12.	Copper	mg/L	1.2	1.8	1.1	1.0	1.2	1.0	1.3	1.5	1.5	1.2	1.2	1.5
13.	Zinc	mg/L	0.82	0.84	0.52	0.69	0.65	0.54	0.65	0.69	0.45	0.52	0.52	0.76
14.	BOD 3 days at 27^{0}C	mg/L	120	120	115	181	108	110	107	142	115	120	120	130
15.	COD	mg/L	359	368	369	524	324	329	321	425	354	362	359	389
16	Total Residual Chlorine	mg/L	0.3	0.5	0.5	0.3	0.3	0.4	0.4	0.4	0.4	0.5	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)	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	0.5	0.5	1.2	0.5	1.1	0.7	0.7	0.4	0.8	0.5	0.6	0.8
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	0.4	0.6	0.7	0.5	0.8	0.5	0.5	0.7	0.6	0.8	0.6
22.	Total Chromium	mg/L	1.3	1.1	0.7	1.3	0.7	1.5	0.7	1.0	1.2	1.1	1.3	1.1
23.	Nickel	mg/L	0.4	0.6	0.4	0.6	0.3	0.3	0.3	0.4	0.5	0.5	0.3	0.4
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.7	0.5	0.6	0.7	0.2	0.5	0.5	0.4	0.4	0.5	0.5	0.4
26.	Iron	mg/L	0.5	0.3	0.5	0.5	0.3	0.3	0.4	0.3	0.6	0.3	0.3	0.3
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	mg/L	1.4	1.5	1.0	1.5	1.1	1.0	1.2	1.1	1.5	1.1	1.1	1.3
29.	Nitrate Nitrogen as NO_3-N	mg/L	19.1	13.8	10.4	12.4	6.8	14.3	11.8	6.8	10.5	6.8	5.4	8.9
30.	Bio-Assay Test	% survival of fish after 96 hrs. in 100% effluent	80	80	80	70	80	70	70	80	80	80	80	70

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

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

April 2025 to June 2025													
Wastewater Samples		Month	April 2025				May 2025			June 2025			
		Date of Sampling	04/04/25	08/04/25	11/04/25	22/04/25	05/05/25	08/05/25	13/05/25	09/06/25	13/06/25	19/06/25	30/06/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	^{0}C	30	31	29	30	29	29	29	29	29	30	26
02.	pH at 25^{0}C	pH unit	7.32	7.54	7.46	7.76	7.37	7.42	7.38	7.45	7.42	7.27	7.51
03.	Total Suspended Solids (TSS)	mg/L	32	31	35	34	31	30	33	30	31	32	37
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	184	193	187	289	218	148	162	189	256	368	326
06.	Oil & grease	mg/L	2.1	2.4	2.3	2.4	2.9	2.1	3.5	1.8	1.6	3.4	3.5
07.	Fluoride	mg/L	0.4	0.5	0.5	0.4	0.4	0.5	0.5	0.3	0.4	0.4	0.5
08.	Sulphide	mg/L	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.2	0.3	0.3	0.4
09.	Ammonical Nitrogen	mg/L	4.3	4.6	4.9	4.2	3.6	3.9	4.6	3.9	3.4	5.1	5.4
10.	Total Kjeldahl Nitrogen	mg/L	6.5	6.8	6.6	6.6	6.5	6.2	6.2	6.5	6.0	9.1	8.9
11.	Free Ammonia	mg/L	0.11	0.24	0.26	0.10	0.20	0.15	0.15	0.10	0.10	0.25	0.25
12.	Copper	mg/L	0.02	0.04	0.05	0.02	0.03	0.05	0.01	0.02	0.02	0.04	0.04
13.	Zinc	mg/L	0.1	0.12	0.12	0.11	0.15	0.17	0.2	0.10	0.10	0.15	0.12
14.	BOD 3 days at 27^{0}C	mg/L	43	41	47	46	41	40	44	40	40	42	49
15.	COD	mg/L	128	124	141	137	124	120	132	119	124	128	146
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.1	0.1	0.2	0.2	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)
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	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)
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	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.4	0.3
22.	Total Chromium	mg/L	0.4	0.5	0.5	0.4	0.4	0.5	0.4	0.3	0.4	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)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.3
26.	Iron	mg/L	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.1	3.9	3.2	3.8	3.4	2.8	3.2	2.5	3.2	4.6	4.6

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

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

July 2025 to September 2025												
Wastewater Samples		Month	July 2025			August 2025				September 2025		
		Date of Sampling	04/07/25	15/07/25	21/07/25	02/08/24	07/08/25	11/08/25	21/08/25	04/09/25	10/09/25	16/09/25
S. No.	Test Parameters	Unit	Result									
01.	Temperature	0°C	29	28	30	30	28	28	28	28	29	29
02.	pH at 25^{0}C	pH unit	7.56	7.34	7.32	7.58	7.34	7.42	7.80	7.75	7.42	7.13
03.	Total Suspended Solids (TSS)	mg/L	32	25	31	36	32	32	34	32	35	30
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	168	136	269	178	142	195	168	241	231	182
06.	Oil & grease	mg/L	2.4	2.6	1.9	1.8	1.9	2.5	2.1	1.6	2.5	1.6
07.	Fluoride	mg/L	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.5	0.3	0.5
08.	Sulphide	mg/L	0.3	0.3	0.5	0.3	0.3	0.2	0.2	0.4	0.2	0.4
09.	Ammonical Nitrogen	mg/L	4.2	3.8	4.2	5.2	7.9	2.9	4.2	3.5	3.1	2.8
10.	Total Kjeldahl Nitrogen	mg/L	6.8	5.9	7.5	7.3	10.2	5.2	6.8	7.0	5.4	5.4
11.	Free Ammonia	mg/L	0.20	0.21	0.25	0.25	0.25	0.25	0.16	0.22	0.09	0.20
12.	Copper	mg/L	0.02	0.02	0.02	0.03	0.05	0.04	0.05	0.02	0.02	0.01
13.	Zinc	mg/L	0.10	0.11	0.10	0.15	0.13	0.10	0.10	0.15	0.11	0.10
14.	BOD 3 days at 27^{0}C	mg/L	43	40	42	47	42	43	45	43	47	40
15.	COD	mg/L	128	119	125	142	127	129	136	128	142	121
16	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	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)
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	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)
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)
21.	Hexavalent Chromium	mg/L	0.3	0.2	0.4	0.3	0.2	0.3	0.3	0.2	0.2	0.2
22.	Total Chromium	mg/L	0.4	0.4	0.5	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)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.1	0.2	0.2
26.	Iron	mg/L	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.3	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO_3-N	mg/L	3.8	3.2	3.5	3.2	5.2	2.1	3.8	2.4	2.5	2.2

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

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

April 2025 to June 2025														
Wastewater Samples		Month	April 2025					May 2025					June 2025		
		Date of Sampling	03/04/25	08/04/25	11/04/25	19/04/25	24/04/25	05/05/25	08/05/25	13/05/25	16/05/25	28/05/25	12/06/25	19/06/25	25/06/25
S. No.	Test Parameters	Unit	Result												
01.	Temperature	0C	33	31	32	32	31	31	32	31	34	31	34	33	27
02.	pH at 250C	pH unit	7.54	7.42	7.65	7.45	7.54	7.46	7.48	7.36	7.65	7.45	7.62	7.75	7.48
03.	Total Suspended Solids (TSS)	mg/L	35	35	34	39	33	36	34	35	29	34	35	32	31
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	283	282	272	324	292	325	265	241	216	142	272	352	275
06.	Oil & grease	mg/L	3.2	3.2	2.1	2.4	2.6	2.5	1.9	2.9	2.6	2.5	1.5	1.5	2.3
07.	Fluoride	mg/L	0.6	0.4	0.3	0.6	0.4	0.4	0.5	0.5	0.4	0.5	0.4	0.4	0.5
08.	Sulphide	mg/L	0.5	0.3	0.2	0.5	0.3	0.3	0.4	0.4	0.3	0.4	0.3	0.3	0.4
09.	Ammonical Nitrogen	mg/L	5.8	3.2	4.9	4.8	3.8	3.2	4.3	4.6	4.3	2.5	3.2	5.2	4.6
10.	Total Kjeldahl Nitrogen	mg/L	9.2	6.4	6.5	6.4	7.6	4.6	6.1	6.9	6.0	5.2	5.4	8.9	6.1
11.	Free Ammonia	mg/L	0.16	0.10	0.12	0.12	0.12	0.15	0.18	0.12	0.15	0.15	0.25	0.25	0.11
12.	Copper	mg/L	0.02	0.05	0.05	0.05	0.02	0.02	0.04	0.03	0.03	0.01	0.05	0.04	0.01
13.	Zinc	mg/L	0.15	0.15	0.13	0.16	0.15	0.12	0.12	0.12	0.10	0.13	0.16	0.13	0.10
14.	BOD 3 days at 270C	mg/L	46	46	45	51	44	47	46	47	39	45	42	42	41
15.	COD	mg/L	138	138	136	154	131	142	137	141	117	134	139	130	124
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	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)	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	0.02	0.01	0.05	0.05	0.02	0.04	0.08	0.02	0.01	0.02	0.02	0.05
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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.3
22.	Total Chromium	mg/L	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	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	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1
26.	Iron	mg/L	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.1	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.1	2.8	3.4	3.2	2.8	2.5	3.6	3.6	3.1	2.1	3.0	4.6	3.6

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

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

July 2025 to September 2025													
Wastewater Samples		Month	July 2025			August 2025					September 2025			
		Date of Sampling	02/07/25	09/07/25	23/07/25	02/08/25	07/08/25	11/08/25	19/08/25	25/08/25	02/09/25	08/09/25	12/09/25	22/09/25
S. No.	Test Parameters	Unit	Result											
01.	Temperature	^{0}C	30	29	31	28	28	31	27	29	30	30	30	32
02.	pH at 25^{0}C	pH unit	7.58	7.47	7.47	7.43	7.48	7.45	7.45	7.34	7.41	7.39	7.24	7.25
03.	Total Suspended Solids (TSS)	mg/L	35	31	31	32	36	36	34	34	35	25	31	32
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	292	289	248	143	242	215	254	162	252	179	135	187
06.	Oil & grease	mg/L	2.5	2.1	2.3	2.8	2.2	2.3	1.6	2.1	2.1	2.4	1.8	2.4
07.	Fluoride	mg/L	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.3	0.3	0.3
08.	Sulphide	mg/L	0.4	0.4	0.4	0.3	0.3	0.2	0.3	0.3	0.4	0.2	0.2	0.2
09.	Ammonical Nitrogen	mg/L	6.4	3.8	5.2	5.4	4.2	3.5	5.2	4.5	2.8	3.2	3.2	2.9
10.	Total Kjeldahl Nitrogen	mg/L	9.2	5.1	8.1	7.6	6.5	5.8	8.4	6.2	5.2	5.5	7.6	4.9
11.	Free Ammonia	mg/L	0.23	0.23	0.28	0.25	0.25	0.25	0.25	0.25	0.17	0.21	0.14	0.20
12.	Copper	mg/L	0.04	0.04	0.05	0.03	0.03	0.05	0.05	0.06	0.2	0.03	0.02	0.02
13.	Zinc	mg/L	0.10	0.15	0.10	0.15	0.15	0.10	0.12	0.1	0.4	0.1	0.12	0.10
14.	BOD 3 days at 27^{0}C	mg/L	46	41	41	43	47	47	45	45	46	38	42	43
15.	COD	mg/L	138	124	124	128	142	142	136	135	139	115	125	128
16	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	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)	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	0.01	0.04	0.02	0.5	0.03	0.05	0.06	0.05	0.02	0.05	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	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.4	0.2
22.	Total Chromium	mg/L	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	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	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.3	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2
26.	Iron	mg/L	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.1	0.2	0.3
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.6	3.3	4.4	4.2	3.5	3.0	4.2	3.6	2.2	2.9	2.9	2.3

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. Ramdev Chemical Industries)

April 2025 to June 2025															
Wastewater Samples		Month	April 2025				May 2025					June 2025			
		Date of Sampling	02/04/25	07/04/25	17/04/25	23/04/25	01/05/25	09/05/25	14/05/25	17/05/25	24/05/25	06/06/25	10/06/25	17/06/25	24/06/25
S. No.	Test Parameters	Unit	Result												
01.	Temperature	^{0}C	32	30	30	30	33	29	32	30	31	29	30	29	29
02.	pH at 25^{0}C	pH unit	7.46	7.54	7.38	7.36	7.42	7.64	7.54	7.52	7.28	7.43	7.54	7.48	7.31
03.	Total Suspended Solids (TSS)	mg/L	59	40	41	39	37	44	43	38	37	36	59	40	39
04.	Color	mg/L	LIGHT GREEN	LIGH 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	262	214	218	262	252	286	256	218	292	346	326	285
06.	Oil & grease	mg/L	6.3	2.8	2.7	3.4	2.6	3.6	3.1	3.4	2.1	2.5	2.5	3.2	2.1
07.	Fluoride	mg/L	0.6	0.5	0.5	0.5	0.6	0.4	0.6	0.6	0.4	0.5	0.5	0.5	0.5
08.	Sulphide	mg/L	0.4	0.4	0.3	0.4	0.5	0.3	0.5	0.5	0.5	0.4	0.4	0.4	0.4
09.	Ammonical Nitrogen	mg/L	46	5.2	5.2	4.9	4.3	3.6	4.6	6.4	4.5	4.2	4.5	3.9	3.5
10.	Total Kjeldahl Nitrogen	mg/L	52	7.9	8.4	8.2	6.4	6.5	6.8	10.8	9.0	8.6	8.2	6.5	6.8
11.	Free Ammonia	mg/L	0.36	0.21	0.25	0.25	0.25	0.21	0.26	0.28	0.25	0.20	0.25	0.28	0.25
12.	Copper	mg/L	0.07	0.05	0.05	0.05	0.03	0.03	0.04	0.04	0.05	0.01	0.02	0.04	0.02
13.	Zinc	mg/L	0.6	0.11	0.10	0.16	0.23	0.15	0.15	0.15	0.22	0.10	0.13	0.15	0.10
14.	BOD 3 days at 27^{0}C	mg/L	78	53	55	52	49	58	57	51	49	45	59	56	51
15.	COD	mg/L	234	158	165	155	146	175	172	152	148	145	178	178	154
16	Total Residual Chlorine	mg/L	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	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)
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	0.07	0.1	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.1	0.2	0.25	0.2
20.	Cadmium	mg/L	0.06	0.04	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)	0.08	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	0.2	0.3	0.2	0.3	0.3	0.2	0.15	0.3	0.2	0.12	0.2
22.	Total Chromium	mg/L	0.7	0.4	0.3	0.4	0.3	0.5	0.4	0.3	0.24	0.4	0.4	0.21	0.4
23.	Nickel	mg/L	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)	BDL (DL-0.3)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.1	0.1	0.2	0.3	0.2	0.3	0.2	0.25	0.1	0.1	0.22	0.1
26.	Iron	mg/L	0.3	0.2	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.1
27.	Vanadium	mg/L	BDL (DL-0.1)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	mg/L	0.2	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
29.	Nitrate Nitrogen as NO3-N	mg/L	13.8	4.3	4.3	3.8	3.1	2.6	6.9	4.6	3.2	3.5	3.6	3.5	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)

July 2025 to September 2025																
Wastewater Samples		Month	July 2025					August 2025					September 2025			
		Date of Sampling	01/07/25	07/07/25	11/07/25	16/07/25	22/07/25	01/08/25	06/08/25	13/08/25	20/08/25	26/08/25	01/09/25	05/09/25	11/09/25	17/09/25
S. No.	Test Parameters	Unit	Result													
01.	Temperature	^{0}C	28	28	32	30	29	29	28	28	27	29	29	28	29	29
02.	pH at 25^{0}C	pH unit	8.15	7.29	7.85	7.35	7.54	7.62	7.25	7.15	7.54	7.85	8.10	7.42	7.32	7.10
03.	Total Suspended Solids (TSS)	mg/L	41	36	32	32	39	42	43	42	37	34	36	35	37	33
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	259	254	218	251	269	276	258	262	168	284	179	210	214	241
06.	Oil & grease	mg/L	3.2	1.8	2.1	1.9	2.4	1.8	2.1	2.4	2.1	1.7	1.8	1.8	2.1	2.2
07.	Fluoride	mg/L	0.4	0.6	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4
08.	Sulphide	mg/L	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
09.	Ammonical Nitrogen	mg/L	4.5	5.4	3.6	4.2	3.4	5.8	4.9	4.8	5.4	4.5	3.4	2.2	3.2	2.5
10.	Total Kjeldahl Nitrogen	mg/L	7.2	8.2	5.4	7.1	6.1	8.4	6.5	7.6	8.4	8.0	6.9	4.6	6.1	5.6
11.	Free Ammonia	mg/L	0.21	0.25	0.20	0.21	0.18	0.25	0.25	0.25	0.25	0.22	0.15	0.08	0.21	0.20
12.	Copper	mg/L	0.03	0.03	0.01	0.02	0.05	0.03	0.05	0.05	0.04	0.05	0.1	0.03	0.02	0.03
13.	Zinc	mg/L	0.1	0.15	0.10	0.10	0.12	0.15	0.14	0.12	0.13	0.10	0.4	0.15	0.10	0.15
14.	BOD 3 days at 27^{0}C	mg/L	55	54	54	43	51	56	57	56	49	45	47	46	49	44
15.	COD	mg/L	165	163	164	146	154	168	172	169	148	134	142	138	148	132
16	Total Residual Chlorine	mg/L	0.1	0.1	0.2	0.2	0.1	0.2	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)
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	0.3	0.2	0.1	0.1	0.22	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.32	0.3
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	0.3	0.4	0.3	0.2	0.15	0.3	0.4	0.4	0.3	0.3	0.4	0.3	0.35	0.2
22.	Total Chromium	mg/L	0.5	0.5	0.4	0.4	0.20	0.4	0.6	0.5	0.5	0.5	0.5	0.4	0.45	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	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.3	0.3	0.2	0.3	0.23	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1
26.	Iron	mg/L	0.2	0.2	0.1	0.2	0.2	0.4	0.2	0.2	0.1	0.1	0.3	0.1	0.2	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.2	4.3	3.2	3.8	2.9	4.3	3.5	3.6	4.8	3.6	2.9	1.9	2.6	2.2

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. Benzo Chem Industries Pvt. Ltd.)

April 2025 to June 2025													
Wastewater Samples		Month	April 2025				May 2025			June 2025				
		Date of Sampling	03/04/25	10/04/25	19/04/25	24/04/25	02/05/25	10/05/25	28/05/25	09/06/25	13/06/25	19/06/25	23/06/25	30/06/25
S. No.	Test Parameters	Unit	Result											
01.	Temperature	^{0}C	29	30	32	29	29	29	30	31	30	28	26	27
02.	pH at 25^{0}C	pH unit	7.36	7.32	7.51	7.36	7.45	7.28	7.42	7.72	7.46	7.29	7.45	7.56
03.	Total Suspended Solids (TSS)	mg/L	45	48	46	49	44	46	45	42	40	40	36	40
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	316	336	279	248	292	336	224	348	352	342	332	289
06.	Oil & grease	mg/L	4.5	6.2	5.4	5.4	6.9	5.6	3.8	3.5	2.9	4.2	2.5	4.2
07.	Fluoride	mg/L	0.5	0.7	0.5	0.5	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.5
08.	Sulphide	mg/L	0.4	0.6	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.4
09.	Ammonical Nitrogen	mg/L	10.9	11.7	7.9	8.4	12.4	12.5	6.2	5.9	6.8	6.2	6.9	6.8
10.	Total Kjeldahl Nitrogen	mg/L	15.4	15.8	10.4	12.4	15.6	16.9	9.4	10.2	8.4	10.3	11.5	10.3
11.	Free Ammonia	mg/L	0.25	0.46	0.22	0.20	0.25	0.52	0.25	0.20	0.21	0.25	0.23	0.29
12.	Copper	mg/L	0.12	0.15	0.11	0.11	0.13	0.18	0.15	0.04	0.03	0.04	0.04	0.04
13.	Zinc	mg/L	0.10	0.12	0.10	0.15	0.15	0.10	0.10	0.21	0.15	0.15	0.10	0.15
14.	BOD 3 days at 27^{0}C	mg/L	60	64	61	65	59	61	60	56	53	53	51	53
15.	COD	mg/L	149	193	183	196	176	182	179	169	159	169	154	159
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.2	0.2	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)	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	0.3	0.3	0.1	0.3	0.2	0.3	0.1	0.04	0.05	0.05	0.05	0.04
20.	Cadmium	mg/L	BDL (DL-0.05)	0.08	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	0.3	0.4	0.3	0.5	0.4	0.4	0.2	0.3	0.3	0.3	0.3	0.3
22.	Total Chromium	mg/L	0.5	0.6	0.4	0.6	0.5	0.5	0.4	0.4	0.5	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	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.2	0.1	0.3	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2
26.	Iron	mg/L	0.1	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.3	0.3	0.2	0.3
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	8.4	8.6	5.4	6.5	5.1	9.2	4.6	4.2	5.8	5.8	5.8	5.3

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.)

July 2025 to September 2025													
Wastewater Samples		Month	July 2025			August 2025					September 2025			
		Date of Sampling	02/07/25	09/07/25	23/07/25	02/08/25	07/08/25	11/08/25	19/08/25	25/08/25	04/09/25	08/09/25	12/09/25	22/09/25
S. No.	Test Parameters	Unit	Result											
01.	Temperature	0°C	28	29	28	28	29	28	28	28	28	27	29	28
02.	pH at 25^{0}C	pH unit	7.78	7.27	7.51	7.36	7.54	7.58	7.36	7.54	7.40	7.45	7.50	7.39
03.	Total Suspended Solids (TSS)	mg/L	47	42	42	45	47	45	45	46	43	40	38	38
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	389	319	395	332	323	343	328	336	328	248	248	269
06.	Oil & grease	mg/L	4.8	3.5	3.8	3.4	3.1	3.9	3.5	3.8	3.6	4.2	5.8	3.2
07.	Fluoride	mg/L	0.5	0.7	0.5	0.4	0.4	0.6	0.4	0.5	0.5	0.5	0.7	0.6
08.	Sulphide	mg/L	0.4	0.5	0.4	0.3	0.3	0.5	0.3	0.4	0.4	0.4	0.6	0.4
09.	Ammonical Nitrogen	mg/L	15.9	12.4	12.4	9.4	5.1	6.8	7.4	12.4	8.9	9.1	9.5	10.7
10.	Total Kjeldahl Nitrogen	mg/L	21.3	16.2	16.9	11.8	8.4	10.2	10.5	15.2	12.4	13.5	14.6	13.9
11.	Free Ammonia	mg/L	0.54	0.72	0.52	0.35	0.42	0.52	0.42	0.68	0.28	0.48	0.42	0.65
12.	Copper	mg/L	0.25	0.31	0.26	0.15	0.20	0.25	0.22	0.35	0.22	0.22	0.24	0.30
13.	Zinc	mg/L	0.18	0.24	0.21	0.10	0.15	0.20	0.15	0.22	0.18	0.15	0.15	0.15
14.	BOD 3 days at 27^{0}C	mg/L	63	61	56	59	63	60	59	64	57	53	51	51
15.	COD	mg/L	189	184	169	178	189	179	179	193	170	159	152	152
16	Total Residual Chlorine	mg/L	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.3	0.2	0.1	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)	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	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.3	0.25	0.3	0.5
20.	Cadmium	mg/L	0.05	0.06	0.05	0.04	0.06	0.05	0.06	0.05	0.04	0.04	0.06	0.03
21.	Hexavalent Chromium	mg/L	0.5	0.4	0.4	0.3	0.4	0.3	0.4	0.5	0.5	0.4	0.4	0.6
22.	Total Chromium	mg/L	0.7	0.5	0.6	0.4	0.5	0.5	0.6	0.6	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)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.1	0.2	0.1	0.1	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.4
26.	Iron	mg/L	0.2	0.1	0.3	0.3	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO_3-N	mg/L	12.4	8.9	8.6	7.3	3.6	4.6	5.8	9.2	5.9	5.4	6.5	7.2

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

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

April 2025 to June 2025														
Wastewater Samples		Month	April 2025				May 2025			June 2025				
		Date of Sampling	03/05/25	08/04/25	11/04/25	19/04/25	02/05/25	08/05/25	13/05/25	09/06/25	13/06/25	19/06/25	23/06/25	30/06/25
S. No.	Test Parameters	Unit	Result											
01.	Temperature	^{0}C	29	30	28	32	29	28	29	31	30	28	26	27
02.	pH at 25^{0}C	pH unit	7.46	7.36	7.48	7.46	7.42	7.54	7.46	7.72	7.46	7.29	7.45	7.56
03.	Total Suspended Solids (TSS)	mg/L	41	36	39	42	42	39	44	42	40	40	36	40
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	292	336	387	354	328	241	352	348	352	342	332	289
06.	Oil & grease	mg/L	3.2	5.6	2.8	3.1	3.6	3.2	4.1	3.5	2.9	4.2	2.5	4.2
07.	Fluoride	mg/L	0.5	0.6	0.5	0.6	0.5	0.4	0.6	0.5	0.5	0.5	0.5	0.5
08.	Sulphide	mg/L	0.4	0.5	0.4	0.5	0.4	0.3	0.5	0.4	0.4	0.4	0.4	0.4
09.	Ammonical Nitrogen	mg/L	5.8	6.4	7.6	6.8	6.8	6.8	6.9	5.9	6.8	6.2	6.9	6.8
10.	Total Kjeldahl Nitrogen	mg/L	8.6	9.4	10.4	9.4	8.4	9.2	10.3	10.2	8.4	10.3	11.5	10.3
11.	Free Ammonia	mg/L	0.26	0.22	0.15	0.28	0.25	0.25	0.25	0.20	0.21	0.25	0.23	0.29
12.	Copper	mg/L	0.04	0.04	0.03	0.05	0.02	0.02	0.06	0.04	0.03	0.04	0.04	0.04
13.	Zinc	mg/L	0.15	0.13	0.11	0.15	0.10	0.18	0.13	0.21	0.15	0.15	0.10	0.15
14.	BOD 3 days at 27^{0}C	mg/L	54	48	52	56	56	51	59	56	53	53	51	53
15.	COD	mg/L	162	143	157	168	168	154	176	169	159	169	154	159
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.1	0.2	0.1	0.2	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)
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	0.05	0.07	0.05	0.02	0.02	0.03	0.06	0.04	0.05	0.05	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)
21.	Hexavalent Chromium	mg/L	0.3	0.2	0.1	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3
22.	Total Chromium	mg/L	0.6	0.4	0.3	0.4	0.4	0.5	0.6	0.4	0.5	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	BDL (DL-0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
26.	Iron	mg/L	0.3	0.3	0.2	0.1	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.3
27.	Vanadium	mg/L	BDL (DL- 0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.6	5.2	6.2	4.5	4.2	4.5	5.6	4.2	5.8	5.8	5.8	5.3

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

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

July 2025 to September 2025																
Wastewater Samples		Month	July 2025					August 2025						September 2025			
		Date of Sampling	04/07/25	08/07/25	15/07/25	21/07/25	25/07/25	02/08/25	05/08/25	07/08/25	11/08/25	19/08/25	21/08/25	04/09/25	10/09/25	16/09/25	24/09/25
S. No.	Test Parameters	Unit	Result														
01.	Temperature	0°C	28	29	31	28	29	28	28	28	29	26	27	26	28	27	30
02.	pH at 25^{0}C	pH unit	7.72	7.25	7.38	7.54	7.31	7.35	7.35	7.46	7.54	7.36	7.34	7.45	7.32	7.50	7.42
03.	Total Suspended Solids (TSS)	mg/L	35	38	34	44	38	44	44	42	39	39	42	35	46	40	36
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	258	281	242	318	321	249	182	210	275	252	285	218	224	252	215
06.	Oil & grease	mg/L	3.8	3.1	3.1	2.4	2.5	2.9	2.8	2.8	3.4	2.8	2.8	2.8	2.8	3.1	2.7
07.	Fluoride	mg/L	0.6	0.4	0.6	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
08.	Sulphide	mg/L	0.4	0.3	0.5	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
09.	Ammonical Nitrogen	mg/L	8.4	7.9	6.9	4.9	6.9	6.9	8.9	8.4	5.8	4.6	6.4	5.2	5.2	4.2	4.6
10.	Total Kjeldahl Nitrogen	mg/L	12.8	11.6	9.4	7.3	10.3	8.4	11.3	10.1	8.6	7.3	9.2	8.3	8.1	8.5	8.2
11.	Free Ammonia	mg/L	0.29	0.28	0.25	0.22	0.25	0.25	0.25	0.20	0.28	0.28	0.22	0.14	0.19	0.26	0.21
12.	Copper	mg/L	0.05	0.05	0.05	0.05	0.03	0.03	0.02	0.02	0.04	0.02	0.03	0.04	0.04	0.03	0.03
13.	Zinc	mg/L	0.13	0.14	0.13	0.12	0.12	0.10	0.10	0.10	0.10	0.15	0.11	0.12	0.12	0.15	0.10
14.	BOD 3 days at 27^{0}C	mg/L	47	56	51	59	50	58	58	56	52	51	56	51	53	53	48
15.	COD	mg/L	141	167	154	176	151	174	175	168	157	154	168	154	158	158	143
16	Total Residual Chlorine	mg/L	0.3	0.1	0.2	0.1	0.2	0.2	0.2	0.2	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)	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	0.03	0.06	0.03	0.03	0.04	0.05	0.05	0.02	0.03	0.04	0.05	0.03	0.03	0.03	0.05
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	0.4	0.2	0.2	0.5	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.4	0.4	0.3
22.	Total Chromium	mg/L	0.4	0.5	0.5	0.4	0.6	0.4	0.4	0.4	0.4	0.3	0.5	0.4	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)	BDL (DL- 0.3)	BDL (DL- 0.3)	BDL (DL- 0.3)	BDL (DL- 0.3)	BDL (DL- 0.3)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.2	0.1	0.3
26.	Iron	mg/L	0.2	0.3	0.2	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.2
27.	Vanadium	mg/L	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO_3-N	mg/L	6.5	5.6	5.6	4.2	5.2	4.5	6.0	5.2	4.3	3.5	5.2	4.8	4.5	3.6	3.9

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

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

April 2025 to June 2025											
Wastewater Samples		Month	April 2025			May 2025		June 2025			
		Date of Sampling	03/04/25	10/04/25	22/04/25	05/05/25	10/05/25	09/06/25	13/06/25	18/06/25	23/06/25
S. No.	Test Parameters	Unit	Result								
01.	Temperature	^{0}C	31	29	29	30	30	32	30	29	27
02.	pH at 25^{0}C	pH unit	7.26	7.76	7.54	7.46	7.54	7.68	7.36	7.43	7.34
03.	Total Suspended Solids (TSS)	mg/L	30	32	32	35	34	38	37	34	30
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	256	284	324	339	269	354	278	241	279
06.	Oil & grease	mg/L	2.1	2.1	3.1	2.1	3.2	2.3	2.5	2.5	2.4
07.	Fluoride	mg/L	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4
08.	Sulphide	mg/L	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3
09.	Ammonical Nitrogen	mg/L	4.3	3.6	5.4	5.2	5.2	3.8	4.6	4.8	4.2
10.	Total Kjeldahl Nitrogen	mg/L	6.2	6.1	8.6	7.6	8.4	6.5	8.5	8.2	10.3
11.	Free Ammonia	mg/L	0.12	0.25	0.21	0.25	0.20	0.21	0.23	0.24	0.26
12.	Copper	mg/L	0.04	0.04	0.03	0.02	0.05	0.03	0.04	0.03	0.04
13.	Zinc	mg/L	0.10	0.12	0.12	0.15	0.15	0.18	0.12	0.11	0.12
14.	BOD 3 days at 27^{0}C	mg/L	39	43	43	46	45	49	46	42	41
15.	COD	mg/L	118	129	128	138	134	148	146	137	123
16	Total Residual Chlorine	mg/L	0.1	0.1	0.2	0.2	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)
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	0.02	0.02	0.02	0.05	0.04	0.04	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)
21.	Hexavalent Chromium	mg/L	0.2	0.2	0.2	0.2	0.4	0.2	0.3	0.3	0.2
22.	Total Chromium	mg/L	0.5	0.3	0.4	0.4	0.5	0.3	0.5	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)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.1	0.1	0.2	0.1	0.3	0.1	0.3	0.2	0.2
26.	Iron	mg/L	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	2.9	2.4	4.3	3.4	4.3	2.8	4.5	4.2	3.5

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

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

July 2025 to September 2025											
Wastewater Samples		Month	July 2025			August 2025			September 2025			
		Date of Sampling	04/07/25	08/07/25	21/07/25	05/08/25	14/08/25	21/08/25	04/09/25	10/09/25	18/09/25	24/09/25
S. No.	Test Parameters	Unit	Result									
01.	Temperature	^{0}C	29	30	29	28	29	28	28	30	28	31
02.	pH at 25^{0}C	pH unit	7.28	7.74	7.45	7.89	7.15	7.28	7.28	7.78	7.52	7.36
03.	Total Suspended Solids (TSS)	mg/L	33	34	35	36	37	36	32	25	32	35
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	210	272	310	228	282	252	210	235	256	282
06.	Oil & grease	mg/L	2.5	1.8	2.1	2.1	1.8	1.9	2.5	2.1	2.1	2.9
07.	Fluoride	mg/L	0.3	0.5	0.3	0.4	0.4	0.4	0.3	0.5	0.5	0.3
08.	Sulphide	mg/L	0.2	0.4	0.4	0.3	0.3	0.5	0.2	0.4	0.4	0.4
09.	Ammonical Nitrogen	mg/L	3.6	3.6	5.2	3.6	3.6	4.9	4.2	4.2	4.2	3.2
10.	Total Kjeldahl Nitrogen	mg/L	5.4	6.5	6.3	6.0	6.2	5.8	6.5	6.5	6.6	5.2
11.	Free Ammonia	mg/L	0.20	0.25	0.26	0.20	0.22	0.25	0.25	0.25	0.12	0.23
12.	Copper	mg/L	0.02	0.02	0.04	0.01	0.01	0.03	0.03	0.03	0.03	0.02
13.	Zinc	mg/L	0.10	0.15	0.12	0.11	0.12	0.15	0.15	0.15	0.15	0.1
14.	BOD 3 days at 27^{0}C	mg/L	44	42	46	47	46	47	49	40	43	46
15.	COD	mg/L	132	134	138	142	146	142	148	120	129	139
16	Total Residual Chlorine	mg/L	0.1	0.1	0.2	0.1	0.2	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)
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	0.01	0.05	0.05	0.04	0.04	0.02	0.02	0.02	0.05	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)
21.	Hexavalent Chromium	mg/L	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
22.	Total Chromium	mg/L	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	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)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.1	0.1	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.1
26.	Iron	mg/L	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.0	3.1	4.3	2.8	2.6	3.5	3.2	3.5	3.6	2.8

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. Dorf Ketal Chemicals (INDIA) Pvt. Ltd.)

April 2025 to June 2025											
Wastewater Samples		Month	April 2025			May 2025			June 2025		
		Date of Sampling	03/04/25	10/04/25	22/04/25	05/05/25	10/05/25	09/06/25	13/06/25	19/06/25	23/06/25
S. No.	Test Parameters	Unit	Result								
01.	Temperature	^{0}C	32	32	31	29	29	30	29	27	28
02.	pH at 25^{0}C	pH unit	7.42	7.45	7.45	7.54	7.36	7.45	7.52	7.15	7.11
03.	Total Suspended Solids (TSS)	mg/L	26	33	31	32	33	41	34	35	29
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	318	284	279	345	254	369	346	275	176
06.	Oil & grease	mg/L	2.2	2.3	2.6	1.8	2.8	2.4	2.6	3.1	2.1
07.	Fluoride	mg/L	0.5	0.6	0.4	0.4	0.4	0.5	0.3	0.5	0.3
08.	Sulphide	mg/L	0.4	0.5	0.3	0.3	0.3	0.4	0.2	0.4	0.2
09.	Ammonical Nitrogen	mg/L	4.2	4.2	3.4	3.4	3.6	3.1	2.8	3.2	4.2
10.	Total Kjeldahl Nitrogen	mg/L	6.5	7.4	6.5	6.4	6.2	8.4	4.6	6.6	6.8
11.	Free Ammonia	mg/L	0.21	0.24	0.26	0.21	0.25	0.25	0.15	0.22	0.20
12.	Copper	mg/L	0.03	0.04	0.02	0.03	0.01	0.02	0.01	0.03	0.02
13.	Zinc	mg/L	0.16	0.13	0.15	0.10	0.12	0.15	0.10	0.10	0.10
14.	BOD 3 days at 27^{0}C	mg/L	35	44	41	43	44	42	42	45	39
15.	COD	mg/L	105	132	124	129	132	125	134	138	116
16	Total Residual Chlorine	mg/L	0.2	0.2	0.2	0.1	0.2	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)
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	0.03	0.05	0.03	0.04	0.02	0.01	0.05	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	0.2	0.2	0.3	0.2	0.4	0.2	0.3	0.3	0.3
22.	Total Chromium	mg/L	0.4	0.4	0.4	0.3	0.5	0.3	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)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2
26.	Iron	mg/L	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.2	3.4	2.5	3.9	2.8	2.6	2.4	2.9	3.2

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.)

July 2025 to September 2025												
Wastewater Samples		Month	July 2025			August 2025			September 2025			
		Date of Sampling	04/07/25	08/07/25	21/07/25	02/08/25	14/08/25	21/08/25	04/09/25	10/09/25	16/09/25	24/09/25
S. No.	Test Parameters	Unit	Result									
01.	Temperature	0°C	28	28	30	30	28	27	25	30	26	29
02.	pH at 25^{0}C	pH unit	7.14	7.28	7.27	7.35	7.25	7.84	7.62	7.28	7.50	7.32
03.	Total Suspended Solids (TSS)	mg/L	30	29	28	26	31	32	33	38	28	31
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	COLOURLESS	COLOURLESS	COLOURLESS	COLOURLESS
05.	Sulphate	mg/L	216	241	252	162	159	213	252	242	246	142
06.	Oil & grease	mg/L	1.5	2.2	1.8	3.6	2.2	1.8	1.9	1.5	1.5	1.7
07.	Fluoride	mg/L	0.4	0.3	0.4	0.6	0.3	0.4	0.5	0.5	0.4	0.4
08.	Sulphide	mg/L	0.3	0.4	0.3	0.3	0.2	0.3	0.4	0.4	0.3	0.3
09.	Ammonical Nitrogen	mg/L	3.8	4.2	3.2	5.2	3.1	4.3	3.4	3.8	4.6	3.5
10.	Total Kjeldahl Nitrogen	mg/L	6.5	7.5	5.1	7.9	5.4	6.2	6.2	6.2	8.2	5.9
11.	Free Ammonia	mg/L	0.25	0.19	0.24	0.18	0.20	0.20	0.20	0.20	0.14	0.26
12.	Copper	mg/L	0.02	0.04	0.03	0.01	0.03	0.05	0.1	0.02	0.05	0.04
13.	Zinc	mg/L	0.15	0.15	0.15	0.12	0.10	0.12	0.13	0.10	0.12	0.12
14.	BOD 3 days at 27^{0}C	mg/L	39	43	38	34	41	43	44	54	37	41
15.	COD	mg/L	118	128	113	103	124	128	132	161	110	124
16	Total Residual Chlorine	mg/L	0.1	0.1	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)	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	0.03	0.03	0.01	0.05	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)
21.	Hexavalent Chromium	mg/L	0.2	0.2	0.4	0.3	0.3	0.3	0.2	0.3	0.2	0.2
22.	Total Chromium	mg/L	0.4	0.4	0.5	0.5	0.4	0.5	0.3	0.4	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)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.1	0.2	0.2	0.3	0.1	0.3	0.1	0.2	0.1	0.2
26.	Iron	mg/L	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.1)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.21)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
29.	Nitrate Nitrogen as NO_3-N	mg/L	3.2	3.4	2.5	4.2	2.5	3.2	2.8	3.2	3.8	3.1

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

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

April 2025 to June 2025								
Wastewater Samples		Month	April 2025	May 2025		June 2025		
		Date of Sampling	11/04/25	09/05/25	15/05/25	03/06/25	11/06/25	24/06/25
S. No.	Test Parameters	Unit	Result					
01.	Temperature	^{0}C	30	31	32	31	32	29
02.	pH at 25^{0}C	pH unit	7.46	7.84	7.78	7.45	7.58	7.78
03.	Total Suspended Solids (TSS)	mg/L	89	91	88	97	89	85
04.	Color	mg/L	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH
05.	Sulphate	mg/L	584	459	542	862	579	479
06.	Oil & grease	mg/L	7.2	4.9	5.8	5.1	5.8	6.9
07.	Fluoride	mg/L	1.9	1.5	2.5	0.6	1.2	1.0
08.	Sulphide	mg/L	1.3	1.0	1.9	1.3	1.6	2.0
09.	Ammonical Nitrogen	mg/L	18.2	12.4	10.9	21.6	12.8	15.9
10.	Total Kjeldahl Nitrogen	mg/L	24.9	16.8	15.4	25.9	18.1	20.4
11.	Free Ammonia	mg/L	1.0	1.5	1.2	1.8	2.1	1.8
12.	Copper	mg/L	0.43	0.40	0.45	0.36	0.56	0.62
13.	Zinc	mg/L	0.32	0.35	0.45	0.52	0.42	0.28
14.	BOD 3 days at 27^{0}C	mg/L	118	121	117	124	120	114
15.	COD	mg/L	354	362	352	387	369	341
16	Total Residual Chlorine	mg/L	0.5	0.4	0.4	0.4	0.4	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)
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	0.2	0.4	0.3	0.5	0.6	0.3
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)
21.	Hexavalent Chromium	mg/L	1.7	1.2	1.5	0.8	0.5	0.5
22.	Total Chromium	mg/L	1.5	1.8	1.0	1.3	0.7	1.6
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)
24.	Cyanide	mg/L	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.6	0.5	0.5	0.4	0.5	0.4
26.	Iron	mg/L	0.4	0.3	0.3	0.3	0.6	0.3
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	13.5	9.2	7.2	16.9	10.8	5.2
30.	Bio-Assay Test	% survival of fish after 96 hrs. in 100% effluent	80	70	80	80	80	80

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

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

July 2025 to September 2025										
Wastewater Samples		Month	July 2025			August 2025			September 2025	
		Date of Sampling	01/07/25	11/07/25	24/07/25	06/08/25	20/08/25	26/08/25	11/09/25	23/09/25
S. No.	Test Parameters	Unit	Result							
01.	Temperature	0°C	29	29	30	29	30	28	28	34
02.	pH at 25^0C	pH unit	7.62	7.54	8.54	7.95	7.30	7.69	7.30	7.04
03.	Total Suspended Solids (TSS)	mg/L	120	84	90	104	96	117	107	110
04.	Color	mg/L	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH	DARK REDDISH
05.	Sulphate	mg/L	485	759	692	526	628	352	546	458
06.	Oil & grease	mg/L	6.4	5.8	4.6	4.8	6.2	4.8	7.8	6.1
07.	Fluoride	mg/L	0.8	0.7	0.8	1.0	0.5	0.7	1.3	1.1
08.	Sulphide	mg/L	1.2	1.5	1.2	1.2	1.2	1.3	1.8	1.6
09.	Ammonical Nitrogen	mg/L	14.6	13.8	24.3	12.8	13.2	8.9	15.4	14.8
10.	Total Kjeldahl Nitrogen	mg/L	19.4	17.9	29.2	15.9	18.3	13.5	21.3	21.6
11.	Free Ammonia	mg/L	1.5	2.4	2.4	2.2	2.5	1.8	2.5	2.1
12.	Copper	mg/L	0.52	0.45	0.54	0.45	0.42	0.65	0.54	0.53
13.	Zinc	mg/L	0.61	0.38	0.49	0.30	0.30	0.52	0.21	0.32
14.	BOD 3 days at 27^0C	mg/L	159	121	120	138	128	156	142	146
15.	COD	mg/L	478	387	359	415	385	468	426	438
16	Total Residual Chlorine	mg/L	0.3	0.5	0.5	0.4	0.3	0.4	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)
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	0.6	0.6	0.6	0.7	0.5	0.7	0.76	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)
21.	Hexavalent Chromium	mg/L	0.7	0.7	0.7	0.8	0.6	0.5	0.6	0.6
22.	Total Chromium	mg/L	1.1	1.5	1.0	1.4	1.2	1.3	1.1	1.1
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	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4
26.	Iron	mg/L	0.2	0.4	0.4	0.3	0.3	0.2	0.2	0.3
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO_3-N	mg/L	10.8	10.8	20.4	9.2	9.4	6.9	10.5	10
30.	Bio-Assay Test	% survival of fish after 96 hrs. in 100% effluent	80	80	70	70	80	70	70	80

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. Yashashvi Rasayan Pvt. Ltd.)

April 2025 to June 2025													
Wastewater Samples		Month	April 2025				May 2025				June 2025		
		Date of Sampling	04/04/25	10/04/25	19/04/25	24/04/25	05/05/25	16/05/25	22/05/25	29/05/25	04/06/25	12/06/25	23/06/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	^{0}C	32	28	32	31	31	28	29	30	31	31	27
02.	pH at 25^{0}C	pH unit	7.36	7.54	7.46	7.46	7.86	7.63	7.36	7.58	7.54	7.67	7.51
03.	Total Suspended Solids (TSS)	mg/L	37	37	45	39	38	40	42	42	35	37	42
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	184	346	234	342	269	338	224	146	382	284	282
06.	Oil & grease	mg/L	2.8	3.8	1.4	2.4	3.2	2.5	2.6	3.5	3.2	2.8	4.6
07.	Fluoride	mg/L	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.7	0.5	0.5	0.5
08.	Sulphide	mg/L	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.5	0.4	0.4	0.4
09.	Ammonical Nitrogen	mg/L	5.2	6.4	5.8	4.9	6.2	6.9	6.5	6.8	6.5	5.8	8.6
10.	Total Kjeldahl Nitrogen	mg/L	6.8	8.4	8.4	8.2	8.0	11.2	8.8	9.2	12.4	13.2	12.5
11.	Free Ammonia	mg/L	0.15	0.28	0.16	0.25	0.22	0.20	0.25	0.10	0.28	0.25	0.28
12.	Copper	mg/L	0.12	0.04	0.12	0.03	0.02	0.05	0.05	0.15	0.06	0.03	0.03
13.	Zinc	mg/L	0.10	0.10	0.10	0.10	0.13	0.1	0.15	0.10	0.15	0.12	0.12
14.	BOD 3 days at 27^{0}C	mg/L	49	50	59	51	51	53	56	56	46	46	56
15.	COD	mg/L	148	149	178	154	152	159	169	168	138	146	169
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.1	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	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.1	0.3
20.	Cadmium	mg/L	BDL (DL-0.05)	0.1	BDL (DL-0.05)	0.2	0.2	0.3	0.2	BDL (DL-0.05)	0.3	0.2	0.2
21.	Hexavalent Chromium	mg/L	0.3	0.2	0.2	0.4	0.4	0.4	0.3	0.4	0.5	0.4	0.4
22.	Total Chromium	mg/L	0.4	0.3	0.3	0.1	0.1	0.1	0.5	0.5	0.8	0.1	0.6
23.	Nickel	mg/L	0.1	0.10	0.1	0.18	0.15	0.15	0.15	0.1	0.20	0.10	0.19
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.1	0.13	0.3	0.1	0.1	0.1	0.18	0.3	0.2	0.1	0.15
26.	Iron	mg/L	0.2	0.2	0.1	0.3	0.2	0.2	0.15	0.2	0.2	0.2	0.12
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	mg/L	0.1	BDL (DL- 0.01)	0.1	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)	0.2	BDL (DL- 0.01)	BDL (DL- 0.01)	BDL (DL- 0.01)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.8	4.9	4.2	3.5	4.3	4.8	5.2	5.4	4.4	4.5	6.8

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

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

July 2025 to August 2025										
Wastewater Samples		Month	July 2025				August 2025		September 2025		
		Date of Sampling	02/07/25	09/07/25	15/07/25	25/07/25	07/08/25	25/08/25	04/09/25	12/09/25	18/09/25
S. No.	Test Parameters	Unit	Result								
01.	Temperature	^{0}C	28	30	28	28	28	28	25	28	28
02.	pH at 25^{0}C	pH unit	7.75	7.64	7.54	7.22	7.58	7.32	7.42	7.24	7.45
03.	Total Suspended Solids (TSS)	mg/L	39	32	25	37	41	42	32	34	37
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	254	249	189	259	215	236	242	254	284
06.	Oil & grease	mg/L	2.7	2.4	3.1	3.2	2.1	2.6	2.2	2.5	3.1
07.	Fluoride	mg/L	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4
08.	Sulphide	mg/L	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3
09.	Ammonical Nitrogen	mg/L	4.9	4.6	7.9	7.8	8.4	6.8	3.9	4.6	4.6
10.	Total Kjeldahl Nitrogen	mg/L	7.4	8.4	12.4	10.4	12.6	10.3	6.8	7.6	8.4
11.	Free Ammonia	mg/L	0.25	0.25	0.28	0.25	0.20	0.25	0.15	0.25	0.22
12.	Copper	mg/L	0.01	0.02	0.05	0.05	0.01	0.04	0.02	0.03	0.05
13.	Zinc	mg/L	0.10	0.10	0.13	0.10	0.12	0.10	0.15	0.15	0.12
14.	BOD 3 days at 27^{0}C	mg/L	51	45	39	49	54	56	51	46	50
15.	COD	mg/L	154	139	124	146	162	168	154	137	149
16	Total Residual Chlorine	mg/L	0.1	0.2	0.1	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)
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	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.12
20.	Cadmium	mg/L	0.1	0.1	0.1	0.2	0.2	0.1	0.3	0.3	0.10
21.	Hexavalent Chromium	mg/L	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.3
22.	Total Chromium	mg/L	0.5	0.7	0.5	0.7	0.5	0.5	0.2	0.6	0.5
23.	Nickel	mg/L	0.15	0.1	0.12	0.25	0.1	0.12	0.1	0.2	0.12
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.10	0.12	0.13	0.10	0.10	0.15	0.10	0.12	0.12
26.	Iron	mg/L	0.2	0.16	0.2	0.15	0.15	0.2	0.12	0.18	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.8	4.2	6.5	5.8	6.2	5.2	2.8	3.9	3.9

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. Accent Microcell Pvt.Ltd.)

April 2025 to June 2025												
Wastewater Samples		Month	April 2025				May 2025			June 2025			
		Date of Sampling	04/04/25	07/04/25	21/04/25	28/04/25	03/05/25	09/05/25	15/05/25	03/06/25	10/06/25	20/06/25	25/06/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	^{0}C	32	29	30	30	30	28	32	33	29	31	31
02.	pH at 25°C	pH unit	7.42	7.36	7.52	7.56	7.35	7.74	7.54	7.36	7.54	7.57	7.33
03.	Total Suspended Solids (TSS)	mg/L	42	39	40	40	42	42	45	41	40	32	37
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	219	216	243	346	262	325	252	352	342	369	315
06.	Oil & grease	mg/L	3.6	3.5	3.4	3.2	4.2	3.6	4.3	2.9	3.4	3.7	3.1
07.	Fluoride	mg/L	0.5	0.5	0.5	0.6	0.6	0.4	0.5	0.4	0.4	0.6	0.6
08.	Sulphide	mg/L	0.4	0.4	0.4	0.5	0.5	0.3	0.4	0.3	0.3	0.5	0.5
09.	Ammonical Nitrogen	mg/L	8.4	9.5	7.8	6.9	9.5	5.9	5.2	5.8	6.8	5.9	7.9
10.	Total Kjeldahl Nitrogen	mg/L	10.8	14.6	10.4	10.2	13.6	8.4	7.6	10.5	10.4	9.4	12.4
11.	Free Ammonia	mg/L	0.25	0.25	0.20	0.25	0.25	0.25	0.25	0.28	0.20	0.28	0.22
12.	Copper	mg/L	0.03	0.06	0.04	0.02	0.02	0.05	0.02	0.05	0.01	0.05	0.03
13.	Zinc	mg/L	0.21	0.15	0.15	0.10	0.16	0.10	0.20	0.22	0.15	0.18	0.10
14.	BOD 3 days at 270C	mg/L	51	51	53	53	56	56	60	51	53	43	49
15.	COD	mg/L	154	154	158	159	168	168	179	162	158	139	146
16	Total Residual Chlorine	mg/L	0.2	0.2	0.2	0.3	0.3	0.2	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)
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	0.3	0.2	0.25	0.3	0.21	0.32	0.2	0.2	0.23	0.28	0.3
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	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.2	0.4	0.3
22.	Total Chromium	mg/L	0.4	0.5	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.5	0.4
23.	Nickel	mg/L	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.1	0.3	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.2	0.2
26.	Iron	mg/L	0.2	0.2	0.1	0.2	0.1	0.2	0.3	0.3	0.2	0.3	0.3
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO_3-N	mg/L	2.9	6.8	5.4	4.6	6.8	4.3	3.1	4.6	5.4	4.8	6.2

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.)

July 2025 to August 2025													
Wastewater Samples		Month	July 2025				August 2025			September 2025			
		Date of Sampling	03/07/25	07/07/25	14/07/25	24/07/25	04/08/25	08/08/25	18/08/25	03/09/25	09/09/25	15/09/25	19/09/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	^{0}C	30	29	29	28	28	27	27	29	28	29	33
02.	pH at 25^{0}C	pH unit	7.58	7.58	7.42	7.42	7.35	7.34	7.42	7.34	7.25	7.10	7.62
03.	Total Suspended Solids (TSS)	mg/L	35	32	40	34	39	44	40	38	30	37	35
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	COLOURLESS	COLOURLESS	COLOURLESS	COLOURLESS
05.	Sulphate	mg/L	335	334	246	239	210	214	312	256	178	256	278
06.	Oil & grease	mg/L	2.7	3.4	4.8	2.4	2.4	2.4	2.3	4.2	2.5	3.4	3.4
07.	Fluoride	mg/L	0.5	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4
08.	Sulphide	mg/L	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3
09.	Ammonical Nitrogen	mg/L	4.2	5.8	5.8	3.5	7.9	8.4	3.8	5.2	6.9	5.9	6.9
10.	Total Kjeldahl Nitrogen	mg/L	6.8	8.2	6.9	6.3	10.4	10.2	6.5	8.7	9.4	9.2	8.4
11.	Free Ammonia	mg/L	0.20	0.25	0.20	0.25	0.20	0.28	0.28	0.19	0.15	0.25	0.15
12.	Copper	mg/L	0.04	0.08	0.03	0.04	0.03	0.02	0.05	0.05	0.01	0.02	0.04
13.	Zinc	mg/L	0.15	0.12	0.11	0.15	0.10	0.10	0.10	0.13	0.12	0.11	0.12
14.	BOD 3 days at 27^{0}C	mg/L	46	45	50	45	39	59	56	51	47	49	46
15.	COD	mg/L	139	143	159	139	154	176	169	152	142	146	139
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.2	0.1	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)
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	0.21	0.25	0.3	0.3	0.1	0.2	0.21	0.2	0.25	0.1	0.25
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	0.3	0.3	0.3	0.5	0.2	0.4	0.4	0.2	0.3	0.2	0.3
22.	Total Chromium	mg/L	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.3	0.4	0.3	0.4
23.	Nickel	mg/L	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.2
26.	Iron	mg/L	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	itrate Nitrogen as NO3-N	mg/L	3.4	4.5	4.5	3.2	6.3	5.4	2.6	4.3	5.1	4.3	5.6

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

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

April 2025 to June 2025												
Wastewater Samples		Month	April 2025				May 2025			June 2025			
		Date of Sampling	02/04/25	07/04/25	21/04/25	28/04/25	01/05/25	09/05/25	15/05/25	03/06/25	11/06/25	20/06/25	25/06/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	^{0}C	32	30	31	30	31	31	29	29	28	32	29
02.	pH at 25^{0}C	pH unit	7.54	7.54	7.46	7.45	7.62	7.48	7.28	7.46	7.28	7.37	7.25
03.	Total Suspended Solids (TSS)	mg/L	31	31	35	35	31	33	32	32	31	28	39
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	285	279	318	276	242	336	182	359	259	321	241
06.	Oil & grease	mg/L	3.5	2.3	2.3	2.8	2.5	3.4	5.2	3.2	2.4	2.6	2.9
07.	Fluoride	mg/L	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.5	0.5	0.3	0.5
08.	Sulphide	mg/L	0.4	0.3	0.4	0.3	0.3	0.4	0.3	0.4	0.4	0.2	0.4
09.	Ammonical Nitrogen	mg/L	6.9	3.6	4.6	3.9	5.2	5.4	4.6	5.9	6.8	4.9	4.6
10.	Total Kjeldahl Nitrogen	mg/L	9.5	6.5	6.8	6.5	7.3	8.5	6.9	10.2	10.4	6.2	8.2
11.	Free Ammonia	mg/L	0.15	0.18	0.20	0.10	0.10	0.25	0.15	0.15	0.18	0.10	0.19
12.	Copper	mg/L	0.05	0.05	0.05	0.02	0.02	0.02	0.02	0.05	0.01	0.01	0.05
13.	Zinc	mg/L	0.12	0.15	0.10	0.10	0.15	0.12	0.10	0.25	0.16	0.12	0.16
14.	BOD 3 days at 27^{0}C	mg/L	41	41	46	46	41	44	43	42	41	38	51
15.	COD	mg/L	124	124	139	138	123	132	129	128	124	126	154
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.3	0.1	0.1	0.1	0.2	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)
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	0.02	0.05	0.05	0.06	0.03	0.03	0.02	0.05	0.03	0.03	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	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.4	0.2	0.3	0.4
22.	Total Chromium	mg/L	0.5	0.5	0.4	0.5	0.5	0.4	0.3	0.6	0.3	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	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.1	0.1	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.1
26.	Iron	mg/L	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.3
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.6	2.9	3.6	2.8	3.4	3.8	2.5	4.2	5.6	4.2	4.6

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

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

July 2025 to September 2025													
Wastewater Samples		Month	July 2025				August 2025				September 2025			
		Date of Sampling	03/07/25	04/07/25	14/07/25	24/07/25	04/08/25	089/08/25	18/08/25	22/08/25	03/09/25	09/09/25	15/09/25	19/09/25
S. No.	Test Parameters	Unit	Result											
01.	Temperature	0C	28	28	28	29	28	29	28	29	28	30	29	33
02.	pH at 250C	pH unit	7.19	7.72	7.54	7.54	7.58	7.64	7.42	7.48	7.54	7.30	7.50	7.95
03.	Total Suspended Solids (TSS)	mg/L	34	20	30	30	33	39	36	36	32	34	34	37
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	228	159	153	328	178	142	178	136	234	152	246	248
06.	Oil & grease	mg/L	1.5	2.8	2.1	2.3	2.5	2.5	1.4	2.5	1.8	1.9	2.5	1.9
07.	Fluoride	mg/L	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.3	0.4	0.4	0.4	0.4
08.	Sulphide	mg/L	0.3	0.3	0.3	0.3	0.4	0.4	0.2	0.2	0.3	0.3	0.3	0.3
09.	Ammonical Nitrogen	mg/L	4.6	3.2	3.4	2.3	5.2	7.9	2.4	4.1	2.8	3.8	2.3	4.6
10.	Total Kjeldahl Nitrogen	mg/L	8.4	5.4	5.2	5.4	7.3	11.3	6.2	6.9	4.3	5.2	6.0	6.9
11.	Free Ammonia	mg/L	0.20	0.15	0.15	0.21	0.25	0.18	0.10	0.12	0.07	0.24	0.13	0.15
12.	Copper	mg/L	0.02	0.04	0.02	0.02	0.03	0.05	0.02	0.02	0.23	0.03	0.01	0.03
13.	Zinc	mg/L	0.13	0.13	0.15	0.10	0.15	0.16	0.1	0.10	0.15	0.12	0.12	0.15
14.	BOD 3 days at 270C	mg/L	45	28	55	39	44	51	47	47	45	45	46	49
15.	COD	mg/L	134	84	129	118	132	154	142	142	135	134	137	146
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	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)	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	0.02	0.04	0.05	0.04	0.04	0.04	0.05	0.02	0.05	0.06	0.05
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	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.4	0.2	0.3	0.3	0.4
22.	Total Chromium	mg/L	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.3	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	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.4	0.2	0.1	0.1	0.2
26.	Iron	mg/L	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.1	0.3
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.8	2.9	3.1	3.6	3.5	5.4	2.0	3.6	2.2	3.2	2.1	4.0

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

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

April 2025 to June 2025														
Wastewater Samples		Month	April 2025					May 2025				June 2025			
		Date of Sampling	03/04/25	08/04/25	11/04/25	19/04/25	24/04/25	02/05/25	08/05/25	13/05/25	16/05/25	04/06/25	13/06/25	19/06/25	25/06/25
S. No.	Test Parameters	Unit	Result												
01.	Temperature	^{0}C	31	31	30	32	30	30	29	30	30	30	29	28	29
02.	pH at 250C	pH unit	7.74	7.56	7.54	7.46	7.64	7.52	7.74	7.54	7.36	7.28	7.42	7.45	7.65
03.	Total Suspended Solids (TSS)	mg/L	40	38	46	44	39	39	43	39	43	39	43	41	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
05.	Sulphate	mg/L	263	218	192	312	318	346	352	368	251	492	452	492	426
06.	Oil & grease	mg/L	4.2	6.2	3.6	3.8	3.6	5.4	6.5	4.8	4.8	5.2	4.2	4.5	4.2
07.	Fluoride	mg/L	0.5	0.5	0.4	0.5	0.5	0.6	0.7	0.7	0.5	0.5	0.5	0.6	0.8
08.	Sulphide	mg/L	0.4	0.4	0.3	0.4	0.4	0.5	0.6	0.6	0.4	0.4	0.4	0.5	0.6
09.	Ammonical Nitrogen	mg/L	8.8	9.4	12.1	5.7	7.6	9.4	8.9	8.9	7.9	9.4	8.9	10.5	15.4
10.	Total Kjeldahl Nitrogen	mg/L	12.6	13.6	14.8	9.4	12.8	12.6	12.5	13.5	10.5	15.4	12.4	15.7	21.3
11.	Free Ammonia	mg/L	0.22	0.25	0.24	0.21	0.29	0.25	0.3	0.28	0.28	0.28	0.35	0.42	0.45
12.	Copper	mg/L	0.15	0.11	0.15	0.15	0.15	0.18	0.25	0.16	0.16	0.15	0.18	0.22	0.26
13.	Zinc	mg/L	0.12	0.1	0.10	0.12	0.10	0.15	0.18	0.15	0.1	0.19	0.2	0.15	0.19
14.	BOD 3 days at 270C	mg/L	53	51	61	58	52	51	57	51	57	50	54	52	53
15.	COD	mg/L	158	152	184	175	157	154	172	154	172	154	172	165	159
16	Total Residual Chlorine	mg/L	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.3	0.2	0.2	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)	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	0.2	0.09	0.1	0.1	0.4	0.1	0.2	0.2	0.2	0.3	0.3	0.25	0.4
20.	Cadmium	mg/L	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)	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	0.3	0.4	0.3	0.4	0.5	0.3	0.4	0.4	0.3	0.6
22.	Total Chromium	mg/L	0.3	0.3	0.5	0.5	0.5	0.4	0.5	0.6	0.5	0.6	0.6	0.5	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)	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	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.3	0.2	0.2	0.1	0.3	0.1	0.1	0.3	0.2	0.3	0.3	0.3	0.2
26.	Iron	mg/L	0.2	0.1	0.3	0.2	0.4	0.2	0.2	0.2	0.1	0.2	0.3	0.2	0.3
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	6.2	6.8	8.4	4.6	5.4	4.2	6.4	6.8	5.2	10.8	7.6	8.4	11.4

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.)

July 2025 to September 2025													
Wastewater Samples		Month	July 2025			August 2025			September 2025				
		Date of Sampling	02/07/25	09/07/25	23/07/25	05/08/25	11/08/25	19/08/25	03/09/25	06/09/25	08/09/25	12/09/25	22/09/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	^{0}C	27	27	27	30	27	29	30	27	28	30	30
02.	pH at 25^{0}C	pH unit	7.44	7.45	7.38	7.25	7.28	7.54	6.48	7.46	7.52	7.50	7.44
03.	Total Suspended Solids (TSS)	mg/L	39	35	46	43	40	46	40	40	35	36	42
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
05.	Sulphate	mg/L	385	469	478	358	286	258	158	452	215	248	315
06.	Oil & grease	mg/L	5.2	4.1	3.5	3.8	4.1	3.8	3.8	4.2	4.8	6.2	3.8
07.	Fluoride	mg/L	0.6	0.7	0.7	0.5	0.5	0.5	0.6	0.6	0.6	0.4	0.6
08.	Sulphide	mg/L	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.5	0.3	0.5
09.	Ammonical Nitrogen	mg/L	8.9	15.1	17.2	13.5	12.4	8.5	12.4	13.4	15.2	12.4	8.4
10.	Total Kjeldahl Nitrogen	mg/L	13.4	21.6	23.4	16.4	15.9	12.4	17.3	17.5	21.8	18.6	12.0
11.	Free Ammonia	mg/L	0.30	0.38	0.58	0.42	0.45	0.35	0.44	0.42	0.52	0.38	0.30
12.	Copper	mg/L	0.23	0.15	0.25	0.15	0.20	0.19	0.22	0.18	0.25	0.25	0.10
13.	Zinc	mg/L	0.12	0.19	0.20	0.13	0.21	0.12	0.10	0.15	0.18	0.16	0.1
14.	BOD 3 days at 27^{0}C	mg/L	52	50	61	57	53	61	53	56	48	48	56
15.	COD	mg/L	157	154	184	172	159	184	158	168	143	143	169
16	Total Residual Chlorine	mg/L	0.2	0.3	0.2	0.2	0.2	0.2	0.3	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)
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	0.4	0.42	0.3	0.3	0.3	0.4	0.3	0.32	0.32	0.2
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	0.3	0.5	0.5	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3
22.	Total Chromium	mg/L	0.5	0.6	0.7	0.5	0.6	0.5	0.5	0.5	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)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.1	0.2	0.4	0.1	0.3	0.3	0.2	0.2	0.2	0.3	0.1
26.	Iron	mg/L	0.2	0.3	0.2	0.2	0.2	0.2	0.4	0.1	0.3	0.2	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	8.4	12.1	14.9	10.3	8.9	6.4	9.5	11.8	12.8	9.7	6.8

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

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

April 2025 to June 2025																
Wastewater Samples		Month	April 2025					May 2025					June 2025			
		Date of Sampling	03/04/25	08/04/25	11/04/25	19/04/25	24/04/25	02/05/25	08/05/25	13/05/25	16/05/25	28/05/25	04/06/25	12/06/25	19/06/25	25/06/25
S. No.	Test Parameters	Unit	Result													
01.	Temperature	°C	28	28	27	30	27	29	31	27	28	32	28	27	29	28
02.	pH at 25°C	pH unit	7.26	7.35	7.46	7.48	7.43	7.69	7.54	7.26	7.36	7.35	7.48	7.34	7.42	7.42
03.	Total Suspended Solids (TSS)	mg/L	27	27	28	31	30	27	32	32	28	30	31	34	31	36
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	192	142	127	241	218	289	189	158	136	252	234	346	374	236
06.	Oil & grease	mg/L	1.5	2.6	2.3	1.8	3.4	2.3	2.1	2.4	2.1	1.8	2.4	1.8	1.8	1.5
07.	Fluoride	mg/L	0.5	0.5	0.3	0.5	0.5	0.5	0.4	0.4	0.5	0.3	0.4	0.5	0.5	0.5
08.	Sulphide	mg/L	0.4	0.3	0.2	0.4	0.4	0.4	0.3	0.3	0.4	0.2	0.3	0.4	0.4	0.4
09.	Ammonical Nitrogen	mg/L	2.8	3.4	4.3	4.6	4.3	4.1	2.9	4.2	3.2	3.6	3.6	2.1	4.6	2.6
10.	Total Kjeldahl Nitrogen	mg/L	5.2	5.2	6.1	7.8	6.5	6.5	4.2	6.2	5.2	5.2	8.4	5.4	6.9	4.5
11.	Free Ammonia	mg/L	0.18	0.20	0.18	0.21	0.12	0.15	0.15	0.10	0.15	0.10	0.10	0.10	0.15	0.10
12.	Copper	mg/L	0.05	0.02	0.02	0.05	0.02	0.03	0.03	0.01	0.03	0.01	0.02	0.02	0.02	0.02
13.	Zinc	mg/L	0.12	0.13	0.1	0.12	0.10	0.16	0.10	0.1	0.12	0.1	0.14	0.15	0.1	0.13
14.	BOD 3 days at 270C	mg/L	36	36	38	41	40	36	43	43	37	39	38	46	40	47
15.	COD	mg/L	109	109	113	122	120	108	128	128	110	118	125	137	125	142
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.1	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)	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	BDL (DL-0.05)	0.04	0.02	BDL (DL-0.05)	BDL (DL-0.05)	0.03	BDL (DL-0.05)	BDL (DL-0.05)	0.02	BDL (DL-0.05)	0.05	BDL (DL-0.05)	BDL (DL-0.05)	BDL (DL-0.05)
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	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3
22.	Total Chromium	mg/L	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.3	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	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
26.	Iron	mg/L	0.1	0.3	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.2	2.8	3.0	3.5	3.5	2.8	2.1	2.8	2.3	2.4	2.5	1.9	3.9	2.2

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.)

July 2025 to August 2025										
Wastewater Samples		Month	July 2025			August 2025		September 2025			
		Date of Sampling	02/07/25	09/07/25	23/07/25	11/08/25	25/08/25	02/09/25	08/09/25	12/09/25	22/09/25
S. No.	Test Parameters	Unit	Result								
01.	Temperature	^{0}C	29	28	28	29	28	26	28	28	29
02.	pH at 25^{0}C	pH unit	7.42	7.18	7.36	7.36	7.32	7.30	7.42	7.20	8.29
03.	Total Suspended Solids (TSS)	mg/L	33	28	32	32	28	31	20	30	28
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	223	249	189	262	212	242	152	158	254
06.	Oil & grease	mg/L	1.7	1.8	1.4	1.8	1.6	1.6	1.9	2.1	1.7
07.	Fluoride	mg/L	0.4	0.4	0.3	0.5	0.3	0.4	0.4	0.4	0.5
08.	Sulphide	mg/L	0.3	0.3	0.2	0.4	0.2	0.3	0.3	0.3	0.4
09.	Ammonical Nitrogen	mg/L	4.3	3.4	4.2	3.2	3.6	4.1	2.9	2.3	2.5
10.	Total Kjeldahl Nitrogen	mg/L	6.8	6.4	6.4	6.0	6.0	6.5	4.6	4.2	5.4
11.	Free Ammonia	mg/L	0.15	0.15	0.18	0.10	0.18	0.15	0.15	0.11	0.25
12.	Copper	mg/L	0.01	0.04	0.01	0.02	0.05	0.1	0.01	0.03	0.04
13.	Zinc	mg/L	0.12	0.12	0.12	0.10	0.10	0.15	0.10	0.12	0.13
14.	BOD 3 days at 27^{0}C	mg/L	44	38	43	42	37	41	31	40	37
15.	COD	mg/L	132	113	128	126	112	122	92	119	110
16	Total Residual Chlorine	mg/L	0.2	0.1	0.1	0.1	0.1	0.1	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)
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	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)
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	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3
22.	Total Chromium	mg/L	0.4	0.4	0.4	0.4	0.4	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)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.2
26.	Iron	mg/L	0.1	0.2	0.1	0.1	0.1	0.3	0.1	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.2	2.8	3.4	2.5	2.9	3.4	2.5	2.1	1.9

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

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

April 2025 to June 2025													
Wastewater Samples		Month	April 2025				May 2025				June 2025			
		Date of Sampling	04/04/25	10/04/25	19/04/25	22/04/25	02/05/25	13/05/25	16/05/25	29/05/25	04/06/25	12/06/25	18/06/25	23/06/25
S. No.	Test Parameters	Unit	Result											
01.	Temperature	^{0}C	31	31	33	31	30	31	31	29	30	29	29	27
02.	pH at 25°C	pH unit	7.32	7.31	7.54	7.54	7.36	7.74	7.56	7.74	7.68	7.35	7.52	7.35
03.	Total Suspended Solids (TSS)	mg/L	32	34	35	30	37	36	34	42	34	32	32	31
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	212	276	318	242	262	252	242	184	289	269	262	254
06.	Oil & grease	mg/L	3.5	3.2	2.8	3.2	2.9	3.4	2.9	2.6	3.2	2.5	2.9	3.2
07.	Fluoride	mg/L	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.3	0.5
08.	Sulphide	mg/L	0.4	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0.2	0.4
09.	Ammonical Nitrogen	mg/L	3.8	5.4	3.8	4.2	6.3	6.5	4.3	5.6	5.4	4.6	5.4	5.4
10.	Total Kjeldahl Nitrogen	mg/L	7.1	8.2	6.2	6.1	8.6	8.5	6.8	7.8	9.2	8.4	7.2	8.9
11.	Free Ammonia	mg/L	0.25	0.25	0.20	0.10	0.25	0.22	0.25	0.21	0.28	0.20	0.25	0.25
12.	Copper	mg/L	0.05	0.06	0.05	0.02	0.04	0.04	0.05	0.04	0.05	0.04	0.03	0.05
13.	Zinc	mg/L	0.12	0.12	0.10	0.1	0.15	0.10	0.10	0.10	0.19	0.13	0.12	0.16
14.	BOD 3 days at 270C	mg/L	43	45	46	40	50	47	45	53	42	40	45	41
15.	COD	mg/L	128	135	138	119	149	142	134	158	136	129	139	124
16	Total Residual Chlorine	mg/L	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	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)
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	0.08	0.04	0.02	0.05	0.04	0.05	0.05	0.08	0.03	0.02	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	0.2	0.2	0.3	0.2	0.3	0.3	0.4	0.4	0.2	0.4
22.	Total Chromium	mg/L	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.6	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)	BDL (DL- 0.3)	BDL (DL- 0.3)	BDL (DL- 0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.1	0.2	0.1	0.1	0.2	0.3	0.2	0.3	0.2	0.1	0.3
26.	Iron	mg/L	0.1	0.2	0.1	0.1	0.1	0.3	0.2	0.1	0.2	0.3	0.1	0.2
27.	Vanadium	mg/L	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	2.6	3.2	2.6	3.0	3.6	4.6	2.5	4.2	4.8	3.8	4.8	4.6

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.)

July 2025 to August 2025											
Wastewater Samples		Month	July 2025				August 2025			September 2025		
		Date of Sampling	02/07/25	08/07/25	15/07/25	25/07/25	05/08/25	14/08/25	19/08/25	02/09/25	08/09/25	12/09/25
S. No.	Test Parameters	Unit	Result									
01.	Temperature	^{0}C	29	28	29	29	27	29	28	28	26	27
02.	pH at 250C	pH unit	7.24	7.45	7.71	7.36	7.54	7.36	7.34	7.35	7.36	7.30
03.	Total Suspended Solids (TSS)	mg/L	32	32	30	34	37	39	31	37	35	31
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	279	162	236	242	245	252	192	212	224	232
06.	Oil & grease	mg/L	2.4	2.1	2.5	2.8	1.9	1.6	2.6	2.4	2.1	1.8
07.	Fluoride	mg/L	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.5
08.	Sulphide	mg/L	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.4
09.	Ammonical Nitrogen	mg/L	4.3	5.2	5.4	5.4	6.9	3.6	3.6	4.8	3.6	2.9
10.	Total Kjeldahl Nitrogen	mg/L	7.2	7.6	8.0	7.2	8.4	6.2	7.2	7.2	6.2	5.4
11.	Free Ammonia	mg/L	0.28	0.25	0.25	0.23	0.20	0.22	0.22	0.15	0.17	0.25
12.	Copper	mg/L	0.04	0.05	0.03	0.04	0.04	0.05	0.04	0.04	0.03	0.03
13.	Zinc	mg/L	0.15	0.10	0.10	0.10	0.12	0.15	0.12	0.10	0.10	0.10
14.	BOD 3 days at 270C	mg/L	43	42	42	45	49	52	41	49	46	41
15.	COD	mg/L	128	142	138	135	148	157	122	146	138	123
16	Total Residual Chlorine	mg/L	0.1	0.3	0.1	0.2	0.2	0.1	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)
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	0.05	0.05	0.06	0.04	0.04	0.04	0.03	0.02	0.05
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)
21.	Hexavalent Chromium	mg/L	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3
22.	Total Chromium	mg/L	0.4	0.5	0.5	0.5	0.5	0.5	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)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.3	0.3
26.	Iron	mg/L	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.2
27.	Vanadium	mg/L	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.5	4.3	4.8	4.3	4.5	3.1	3.2	2.9	3.1	2.4

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

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

April 2025 to June 2025													
Wastewater Samples		Month	April 2025						May 2025				June 2025	
		Date of Sampling	03/04/25	08/04/25	11/04/25	19/04/25	22/04/25	24/04/25	02/05/25	10/05/25	16/05/25	28/05/25	04/06/24	07/06/24
S. No.	Test Parameters	Unit	Result											
01.	Temperature	^{0}C	28	28	29	33	29	28	30	28	29	29	31	29
02.	pH at 25^{0}C	pH unit	7.16	7.62	7.76	7.58	7.44	7.92	7.42	7.72	7.84	7.75	7.87	7.84
03.	Total Suspended Solids (TSS)	mg/L	32	34	35	37	34	40	35	38	33	32	39	39
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	125	252	115	154	272	179	325	215	169	154	284	258
06.	Oil & grease	mg/L	3.2	4.3	2.4	2.4	2.8	2.5	3.2	3.2	3.2	2.4	2.9	2.9
07.	Fluoride	mg/L	0.4	0.5	0.4	0.3	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.4
08.	Sulphide	mg/L	0.3	0.4	0.3	0.2	0.3	0.3	0.4	0.3	0.4	0.4	0.3	0.3
09.	Ammonical Nitrogen	mg/L	4.9	4.6	6.8	4.3	3.9	4.3	4.2	6.8	4.6	3.2	4.6	5.9
10.	Total Kjeldahl Nitrogen	mg/L	6.2	8.5	8.4	6.5	7.0	6.5	6.5	9.4	6.7	5.4	8.4	10.2
11.	Free Ammonia	mg/L	0.25	0.18	0.25	0.15	0.10	0.20	0.15	0.20	0.28	0.25	0.24	0.25
12.	Copper	mg/L	0.03	0.06	0.04	0.02	0.04	0.02	0.03	0.02	0.05	0.01	0.06	0.02
13.	Zinc	mg/L	0.18	0.10	0.10	0.1	0.13	0.1	0.15	0.15	0.16	0.12	0.14	0.15
14.	BOD 3 days at 27^{0}C	mg/L	42	45	46	49	45	53	46	51	43	43	49	48
15.	COD	mg/L	126	135	139	148	136	159	138	152	130	128	154	154
16	Total Residual Chlorine	mg/L	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1	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)
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	0.05	0.04	0.03	0.01	0.04	0.03	0.04	0.05	0.05	0.02	0.04	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	0.4	0.2	0.2	0.1	0.2	0.2	0.2	0.5	0.3	0.2	0.5	0.4
22.	Total Chromium	mg/L	0.6	0.4	0.4	0.3	0.4	0.4	0.4	0.6	0.4	0.3	0.6	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	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL(DL- 0.1)	BDL(DL-0.1)	BDL(DL-0.1)
25.	Phenolic compound	mg/L	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2
26.	Iron	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.3	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.8	3.4	4.6	3.1	2.5	3.6	3.2	3.2	3.4	2.3	4.2	5.1

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

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

July 2025 to August 2025													
Wastewater Samples		Month	July 2025		August 2025					September 2025			
		Date of Sampling	02/07/25	23/07/25	02/08/25	07/08/25	14/08/25	19/08/25	25/08/25	02/09/25	08/09/25	22/09/25	24/09/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	^{0}C	27	27	29	27	28	28	28	27	26	30	29
02.	pH at 25^{0}C	pH unit	7.91	7.88	7.54	7.18	7.82	7.64	7.58	7.40	7.52	7.53	7.48
03.	Total Suspended Solids (TSS)	mg/L	36	36	31	35	31	37	40	34	35	39	34
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	369	275	315	287	224	354	263	178	210	210	178
06.	Oil & grease	mg/L	2.1	2.4	2.1	1.8	2.1	2.9	2.4	2.8	2.9	2.4	1.5
07.	Fluoride	mg/L	0.5	0.5	0.4	0.4	0.4	0.4	0.6	0.5	0.5	0.3	0.4
08.	Sulphide	mg/L	0.4	0.4	0.3	0.3	0.3	0.3	0.5	0.4	0.4	0.2	0.3
09.	Ammonical Nitrogen	mg/L	5.2	7.4	6.4	6.9	4.6	3.6	4.2	4.6	4.2	3.6	4.6
10.	Total Kjeldahl Nitrogen	mg/L	8.4	12.6	8.2	9.4	6.9	6.4	6.8	7.2	6.5	5.4	6.2
11.	Free Ammonia	mg/L	0.29	0.28	0.25	0.24	0.25	0.25	0.22	0.17	0.21	0.20	0.19
12.	Copper	mg/L	0.01	0.05	0.02	0.03	0.02	0.03	0.03	0.16	0.01	0.03	0.04
13.	Zinc	mg/L	0.12	0.10	0.15	0.15	0.1	0.10	0.15	0.23	0.15	0.10	0.12
14.	BOD 3 days at 27^{0}C	mg/L	48	48	42	47	41	50	56	45	46	51	45
15.	COD	mg/L	143	143	125	141	124	149	167	135	138	154	134
16	Total Residual Chlorine	mg/L	0.2	0.2	0.2	0.2	0.1	0.2	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)
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	0.03	0.21	0.05	0.03	0.15	0.03	0.04	0.21	0.18	0.21	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	0.3	0.3	0.4	0.3	0.2	0.4	0.3	0.3	0.3	0.3	0.2
22.	Total Chromium	mg/L	0.5	0.5	0.5	0.4	0.4	0.5	0.4	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)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1
26.	Iron	mg/L	0.2	0.4	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.2	6.4	4.9	4.6	3.5	2.9	3.6	3.8	3.2	2.9	3.9
Note: 1. Temperature, pH and Total Residual Chlorine was measured onsite. 2. BDL – Below Detection Limit, DL – Detection Limit													

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

April 2025 to June 2025												
Wastewater Samples		Month	April 2025				May 2025			June 2025		
		Date of Sampling	02/04/25	07/04/25	21/04/25	28/04/25	03/05/25	06/05/25	15/05/25	10/06/25	20/06/25	25/06/25
S. No.	Test Parameters	Unit	Result									
01.	Temperature	^{0}C	28	32	29	31	29	28	31	28	28	30
02.	pH at 25^{0}C	pH unit	7.32	7.16	7.45	7.36	7.46	7.35	7.42	7.34	7.35	7.32
03.	Total Suspended Solids (TSS)	mg/L	34	30	33	36	37	34	31	36	24	30
04.	Color	mg/L	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK
05.	Sulphate	mg/L	234	286	243	354	342	218	158	284	258	176
06.	Oil & grease	mg/L	3.1	3.4	3.1	3.5	2.9	2.9	3.4	2.8	3.5	3.2
07.	Fluoride	mg/L	0.6	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4
08.	Sulphide	mg/L	0.5	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3
09.	Ammonical Nitrogen	mg/L	5.8	4.5	6.2	4.5	6.8	5.6	5.3	7.2	6.8	5.2
10.	Total Kjeldahl Nitrogen	mg/L	8.9	8.1	8.6	9.2	10.2	8.5	7.6	11.8	9.4	8.4
11.	Free Ammonia	mg/L	0.25	0.25	0.25	0.25	0.29	0.21	0.20	0.25	0.25	0.23
12.	Copper	mg/L	0.01	0.04	0.03	0.01	0.03	0.02	0.02	0.01	0.03	0.03
13.	Zinc	mg/L	0.12	0.16	0.1	0.12	0.15	0.15	0.10	0.1	0.15	0.15
14.	BOD 3 days at 27^{0}C	mg/L	45	40	44	47	49	45	41	45	40	40
15.	COD	mg/L	134	120	131	142	148	135	124	142	142	120
16	Total Residual Chlorine	mg/L	0.1	0.2	0.2	0.2	0.1	0.2	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)
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	0.03	0.02	0.06	0.05	0.05	0.05	0.02	0.05	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)
21.	Hexavalent Chromium	mg/L	0.3	0.3	0.2	0.3	0.4	0.3	0.2	0.3	0.3	0.3
22.	Total Chromium	mg/L	0.4	0.4	0.3	0.5	0.5	0.4	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)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL(DL-0.1)
25.	Phenolic compound	mg/L	0.2	0.3	0.1	0.3	0.1	0.3	0.1	0.1	0.2	0.1
26.	Iron	mg/L	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	3.5	3.2	4.6	3.2	5.6	4.6	2.4	5.3	5.8	4.3

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)

July 2025 to September 2025													
Wastewater Samples		Month	July 2025				August 2025				September 2025			
		Date of Sampling	03/07/25	07/07/25	14/07/25	24/07/25	04/08/25	08/08/25	18/08/25	22/08/25	03/09/25	09/09/25	15/09/25	19/09/25
S. No.	Test Parameters	Unit	Result											
01.	Temperature	0°C	29	27	28	28	29	28	27	27	26	28	28	32
02.	pH at 25^{0}C	pH unit	7.28	7.72	7.56	7.26	7.35	7.25	7.34	7.82	7.42	7.35	7.20	7.13
03.	Total Suspended Solids (TSS)	mg/L	37	33	30	35	31	35	43	32	20	32	32	32
04.	Color	mg/L	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHTPINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK	LIGHT PINK
05.	Sulphate	mg/L	352	215	218	178	274	232	184	152	135	138	143	252
06.	Oil & grease	mg/L	2.5	2.1	3.6	3.6	3.0	1.8	2.1	2.6	2.4	2.1	2.8	2.5
07.	Fluoride	mg/L	0.5	0.3	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.5	0.3	0.5
08.	Sulphide	mg/L	0.4	0.2	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.4	0.2	0.4
09.	Ammonical Nitrogen	mg/L	5.2	4.9	4.9	4.9	4.6	6.9	4.6	6.2	4.3	3.4	3.5	3.1
10.	Total Kjeldahl Nitrogen	mg/L	8.6	7.4	6.4	7.3	5.8	8.4	6.1	8.5	6.5	5.6	5.6	7.6
11.	Free Ammonia	mg/L	0.28	0.20	0.25	0.20	0.22	0.22	0.25	0.25	0.11	0.26	0.24	0.36
12.	Copper	mg/L	0.02	0.03	0.04	0.04	0.02	0.02	0.02	0.05	0.01	0.01	0.03	0.05
13.	Zinc	mg/L	0.11	0.12	0.10	0.12	0.12	0.15	0.13	0.10	0.10	0.15	0.15	0.11
14.	BOD 3 days at 27^{0}C	mg/L	49	46	42	46	41	46	57	46	30	43	43	43
15.	COD	mg/L	146	138	138	138	124	138	172	139	89	129	128	129
16	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	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)
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	0.02	0.05	0.02	0.03	0.02	0.05	0.04	0.06	0.02	0.02	0.03	0.05
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	0.2	0.4	0.2	0.3	0.3	0.3	0.2	0.4	0.4	0.2
22.	Total Chromium	mg/L	0.5	0.5	0.4	0.5	0.3	0.4	0.5	0.5	0.3	0.5	0.5	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	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.3
26.	Iron	mg/L	0.2	0.2	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.1)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	mg/L	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.21)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)	BDL (DL-0.01)
29.	Nitrate Nitrogen as NO_3-N	mg/L	4.3	4.5	4.5	4.2	2.8	4.2	3.8	4.8	3.3	2.9	2.9	2.6

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

4.67. Wastewater Monitoring Data (M/s. Soft Rainbow Color Pvt Ltd.)

April 2025 to June 2025											
Wastewater Samples		Month	April 2025			May 2025			June 2025			
		Date of Sampling	04/04/25	07/04/25	21/04/25	03/05/25	09/05/25	15/05/25	03/06/25	10/06/25	20/06/25	25/06/25
S. No.	Test Parameters	Unit	Result									
01.	Temperature	0°C	31	27	30	31	29	32	28	31	27	29
02.	pH at 25^{0}C	pH unit	7.38	7.18	7.42	7.58	7.42	7.36	7.46	7.34	7.42	7.36
03.	Total Suspended Solids (TSS)	mg/L	34	32	31	34	29	29	45	34	28	34
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	243	324	182	302	279	169	269	324	269	241
06.	Oil & grease	mg/L	4.3	2.4	2.8	3.6	2.8	3.3	1.8	1.9	2.4	2.8
07.	Fluoride	mg/L	0.4	0.6	0.3	0.5	0.5	0.4	0.5	0.4	0.5	0.5
08.	Sulphide	mg/L	0.3	0.5	0.2	0.4	0.4	0.3	0.4	0.3	0.4	0.4
09.	Ammonical Nitrogen	mg/L	6.8	5.6	3.8	4.9	3.2	4.3	4.6	3.8	4.1	3.6
10.	Total Kjeldahl Nitrogen	mg/L	10.3	9.4	6.5	6.4	6.0	6.2	9.2	6.6	8.7	8.5
11.	Free Ammonia	mg/L	0.28	0.21	0.21	0.25	0.25	0.25	0.20	0.22	0.20	0.29
12.	Copper	mg/L	0.05	0.04	0.03	0.03	0.05	0.02	0.05	0.04	0.04	0.03
13.	Zinc	mg/L	0.15	0.15	0.15	0.12	0.14	0.12	0.10	0.10	0.15	0.18
14.	BOD 3 days at 27^{0}C	mg/L	48	43	41	45	39	39	60	46	39	45
15.	COD	mg/L	143	128	124	134	116	116	179	137	124	135
16	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	0.2	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)
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	0.05	0.02	BDL (DL-0.05)	0.02	BDL (DL-0.05)	0.02	0.05	BDL (DL-0.05)	0.04	0.05
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)
21.	Hexavalent Chromium	mg/L	0.3	0.2	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3
22.	Total Chromium	mg/L	0.4	0.4	0.2	0.4	0.4	0.3	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)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.1	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
26.	Iron	mg/L	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.3	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO_3-N	mg/L	4.9	4.6	2.6	3.6	3.6	2.6	3.6	3.2	3.7	3.4

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

4.68. Wastewater Monitoring Data (M/s. Soft Rainbow Color Pvt Ltd.)

July 2025 to August 2025													
Wastewater Samples		Month	July 2025				August 2025				September 2025			
		Date of Sampling	03/07/25	07/07/25	14/07/25	24/07/25	04/08/25	08/08/25	18/08/25	22/08/25	03/09/25	09/09/25	15/09/25	19/09/25
S. No.	Test Parameters	Unit	Result											
01.	Temperature	0°C	31	28	28	28	29	29	29	30	27	29	27	32
02.	pH at 250C	pH unit	7.38	7.32	7.34	7.32	7.54	7.58	7.54	7.56	7.25	7.38	7.50	8.40
03.	Total Suspended Solids (TSS)	mg/L	34	28	29	25	31	30	38	30	24	25	30	29
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	243	172	136	154	184	254	185	162	116	215	235	184
06.	Oil & grease	mg/L	4.3	2.7	1.9	2.1	1.9	1.6	1.6	1.4	1.3	2.2	1.6	1.7
07.	Fluoride	mg/L	0.4	0.4	0.3	0.3	0.4	0.4	0.5	0.4	0.3	0.5	0.3	0.3
08.	Sulphide	mg/L	0.3	0.3	0.2	0.4	0.5	0.3	0.4	0.3	0.2	0.4	0.2	0.2
09.	Ammonical Nitrogen	mg/L	6.8	3.6	3.4	3.8	5.8	5.8	3.6	3.8	4.8	4.2	3.6	4.2
10.	Total Kjeldahl Nitrogen	mg/L	10.3	5.6	6.1	6.2	7.2	8.4	6.2	6.5	7.3	6.8	6.1	6.1
11.	Free Ammonia	mg/L	0.28	0.25	0.18	0.25	0.22	0.28	0.28	0.25	0.15	0.25	0.18	0.20
12.	Copper	mg/L	0.05	0.05	0.03	0.05	0.03	0.04	0.06	0.06	0.12	0.04	0.03	0.05
13.	Zinc	mg/L	0.15	0.18	0.15	0.11	0.10	0.10	0.13	0.13	0.21	0.10	0.10	0.10
14.	BOD 3 days at 270C	mg/L	48	42	40	33	41	40	51	41	32	37	40	38
15.	COD	mg/L	143	125	128	98	124	120	154	124	95	112	119	114
16	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.2	0.1	0.2	0.2	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)
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	0.05	0.02	BDL (DL-0.05)	BDL (DL-0.05)	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)
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	0.3	0.2	0.4	0.3	0.2	0.4	0.3	0.3	0.2	0.2	0.2	0.4
22.	Total Chromium	mg/L	0.4	0.4	0.5	0.4	0.4	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)
24.	Cyanide	mg/L	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2
26.	Iron	mg/L	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.3	0.1	0.1	0.1
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO3-N	mg/L	4.9	3.2	2.9	3.2	4.3	4.2	2.9	3.0	4.2	3.6	2.8	3.8

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

4.69. Wastewater Monitoring Data (M/s. P&J Cretechem Pvt.Ltd.)

April 2025 to June 2025														
Wastewater Samples		Month	April 2025		May 2025						June 2025			
		Date of Sampling	11/04/25	23/04/25	01/05/25	09/05/25	14/05/25	17/05/25	24/05/25	30/05/25	02/06/25	10/06/25	17/06/25	24/06/25
S. No.	Test Parameters	Unit	Result											
01.	Temperature	0°C	30	30	32	30	30	30	30	27	30	30	28	28
02.	pH at 25^{0}C	pH unit	7.48	7.48	7.32	7.45	7.36	7.46	7.54	7.65	7.56	7.42	7.34	7.35
03.	Total Suspended Solids (TSS)	mg/L	37	31	13	31	40	132	32	48	52	34	45	55
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	272	268	256	223	148	289	295	248	456	489	485	469
06.	Oil & grease	mg/L	5.3	2.1	2.1	2.9	2.1	1.5	1.9	2.1	1.8	1.5	1.5	1.8
07.	Fluoride	mg/L	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
08.	Sulphide	mg/L	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
09.	Ammonical Nitrogen	mg/L	6.8	3.5	3.2	3.2	3.8	10.5	3.2	5.2	4.6	2.4	4.6	2.1
10.	Total Kjeldahl Nitrogen	mg/L	8.4	5.4	6.5	6.5	5.6	13.2	5.1	6.9	5.2	5.6	8.4	4.2
11.	Free Ammonia	mg/L	0.21	0.18	0.25	0.20	0.18	0.32	0.20	0.28	0.25	0.21	0.32	0.25
12.	Copper	mg/L	0.03	0.02	0.02	0.04	0.02	0.01	0.01	0.05	0.06	0.02	0.02	0.02
13.	Zinc	mg/L	0.1	0.16	0.2	0.1	0.1	0.18	0.12	0.15	0.15	0.15	0.15	0.15
14.	BOD 3 days at 27^{0}C	mg/L	49	41	28	41	53	242	42	289	625	140	60	73
15.	COD	mg/L	146	123	85	124	159	1275	126	1148	3138	426	189	218
16	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.5	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)
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	0.02	0.02	0.03	0.03	0.08	0.01	0.15	0.3	0.02	0.05	0.05
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	0.2	0.3	0.3	0.3	0.2	0.4	0.5	0.4	0.2	0.4
22.	Total Chromium	mg/L	0.4	0.4	0.3	0.4	0.4	0.5	0.3	0.5	0.8	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)	BDL (DL- 0.3)	BDL (DL- 0.3)	BDL (DL- 0.3)
24.	Cyanide	mg/L	Absent	Absent	BDL(DL- 0.1)	BDL(DL-0.1)	BDL(DL-0.1)	BDL(DL-0.1)	BDL(DL-0.1)	BDL(DL-0.1)	BDL(DL-0.1)	BDL(DL-0.1)	BDL(DL-0.1)	BDL(DL-0.1)
25.	Phenolic compound	mg/L	0.2	0.2	0.1	0.2	0.2	0.3	0.1	0.3	0.4	0.3	0.1	0.2
26.	Iron	mg/L	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3
27.	Vanadium	mg/L	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO_3-N	mg/L	5.2	2.8	2.4	2.3	2.1	6.8	2.3	4.5	3.5	2.0	3.4	2.0

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

4.70. Wastewater Monitoring Data (M/s. P&J Cretechem Pvt.Ltd.)

July 2025 to August 2025																
Wastewater Samples		Month	July 2025						August 2025					September 2025			
		Date of Sampling	01/07/25	04/07/25	07/07/25	11/07/25	16/07/25	22/07/25	01/08/25	06/08/25	13/08/25	20/08/25	26/08/25	01/09/25	05/09/25	11/09/25	17/09/25
S. No.	Test Parameters	Unit	Result														
01.	Temperature	0°C	29	27	28	39	30	28	28	29	27	26	28	27	25	30	27
02.	pH at 25^0C	pH unit	7.58	7.48	7.28	7.54	7.58	7.87	8.15	7.84	7.34	7.81	7.62	7.61	7.85	7.65	8.18
03.	Total Suspended Solids (TSS)	mg/L	39	38	29	34	28	175	48	36	107	42	29	30	42	32	28
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	Colourless	Colourless	Colourless	Colourless
05.	Sulphate	mg/L	362	542	464	548	326	384	294	469	286	436	342	242	168	452	125
06.	Oil & grease	mg/L	1.8	2.4	2.3	1.3	1.6	1.2	1.6	1.5	2.1	1.8	1.3	1.9	2.1	1.6	2.3
07.	Fluoride	mg/L	0.6	0.6	0.4	0.6	0.4	0.4	0.3	0.4	0.5	0.5	0.4	0.4	0.4	0.3	0.3
08.	Sulphide	mg/L	0.5	0.4	0.3	0.4	0.3	0.3	0.2	0.3	0.4	0.4	0.2	0.3	0.3	0.2	0.2
09.	Ammonical Nitrogen	mg/L	3.1	2.8	3.4	3.1	2.9	3.1	4.2	4.6	3.2	3.2	2.4	4.8	2.3	3.5	2.2
10.	Total Kjeldahl Nitrogen	mg/L	5.2	4.5	5.2	5.2	5.1	5.4	6.4	7.1	5.5	5.5	5.6	7.6	5.2	5.4	4.3
11.	Free Ammonia	mg/L	0.25	0.21	0.15	0.18	0.28	0.15	0.10	0.15	0.20	0.20	0.15	0.10	0.25	0.21	0.15
12.	Copper	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.01	0.03	0.03	0.03	0.02	0.04	0.03	0.01
13.	Zinc	mg/L	0.11	0.12	0.12	0.12	0.12	0.10	0.1	0.10	0.15	0.10	0.10	0.3	0.10	0.12	0.12
14.	BOD 3 days at 27^0C	mg/L	52	289	243	234	178	233	183	163	143	56	39	40	59	42	37
15.	COD	mg/L	157	1099	854	726	687	698	548	489	428	169	116	119	178	126	112
16	Total Residual Chlorine	mg/L	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.1	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)	BDL (DL-0.01)	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	0.01	0.05	0.04	0.05	0.06	0.06	0.04	0.07	0.01	0.04	0.02	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)	BDL (DL-0.05)	BDL (DL-0.05)
21.	Hexavalent Chromium	mg/L	0.3	0.4	0.3	0.5	0.3	0.4	0.5	0.4	0.3	0.2	0.3	0.4	0.4	0.3	0.3
22.	Total Chromium	mg/L	0.5	0.5	0.4	0.6	0.4	0.5	0.6	0.6	0.4	0.3	0.4	0.6	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)	BDL (DL- 0.3)	BDL (DL- 0.3)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.1	0.3	0.2	0.2	0.2	0.3	0.1	0.3	0.1	0.1	0.1	0.2	0.3	0.1	0.2
26.	Iron	mg/L	0.2	0.3	0.3	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.3	0.2	0.1	0.1
27.	Vanadium	mg/L	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)	BDL (DL- 0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO_3-N	mg/L	2.6	2.2	2.8	2.8	2.5	2.9	3.2	3.5	2.0	2.5	2.5	2.9	2.1	3.0	1.8

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

4.71. Wastewater Monitoring Data (M/s. Aarti Industries Ltd.(Unit-lll) Z/111/B)

April 2025 to June 2025												
Wastewater Samples		Month	April 2025				May 2025			June 2025			
		Date of Sampling	04/04/25	08/04/25	11/04/25	22/04/25	02/05/25	08/05/25	13/05/25	09/06/25	13/06/25	19/06/25	30/06/25
S. No.	Test Parameters	Unit	Result										
01.	Temperature	0°C	30	33	31	28	31	30	31	32	30	31	28
02.	pH at 25^{0}C	pH unit	7.34	7.45	7.46	7.56	7.45	7.48	7.82	7.84	7.48	7.52	7.25
03.	Total Suspended Solids(TSS)	mg/L	36	34	39	39	36	32	35	34	35	30	35
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
05.	Sulphate	mg/L	285	246	264	197	326	196	242	289	321	215	249
06.	Oil & grease	mg/L	2.5	3.4	1.6	2.8	3.4	1.6	3.2	2.1	2.1	3.2	4.6
07.	Fluoride	mg/L	0.5	0.4	0.3	0.5	0.6	0.4	0.4	0.5	0.5	0.5	0.5
08.	Sulphide	mg/L	0.4	0.3	0.2	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4
09.	Ammonical Nitrogen	mg/L	6.2	4.3	5.4	4.6	5.4	4.2	5.4	4.5	3.9	4.2	7.2
10.	Total Kjeldahl Nitrogen	mg/L	9.5	6.4	7.1	8.4	9.1	6.1	7.6	8.4	6.2	6.6	11.3
11.	Free Ammonia	mg/L	0.11	0.15	0.12	0.19	0.16	0.10	0.15	0.15	0.14	0.20	0.20
12.	Copper	mg/L	0.03	0.04	0.02	0.03	0.05	0.02	0.03	0.04	0.02	0.01	0.03
13.	Zinc	mg/L	0.15	0.15	0.10	0.10	0.18	0.11	0.14	0.21	0.11	0.15	0.12
14.	BOD 3 days at 27^{0}C	mg/L	48	45	51	51	48	43	46	45	45	41	46
15.	COD	mg/L	143	136	154	154	143	128	138	136	139	128	138
16	Total Residual Chlorine	mg/L	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.2	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)
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	0.03	0.04	0.03	0.02	0.02	0.04	0.06	0.02	0.03	0.06	0.05
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	0.2	0.2	0.2	0.1	0.3	0.2	0.3	0.3	0.4	0.3	0.4
22.	Total Chromium	mg/L	0.3	0.3	0.3	0.2	0.4	0.3	0.4	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)	BDL (DL-0.3)	BDL (DL-0.3)
24.	Cyanide	mg/L	ABSENT	ABSENT	ABSENT	ABSENT	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)	BDL (DL- 0.1)
25.	Phenolic compound	mg/L	0.2	0.2	0.1	0.3	0.2	0.2	0.1	0.2	0.2	0.1	0.2
26.	Iron	mg/L	0.2	0.3	0.1	0.2	0.1	0.1	0.2	0.3	0.2	0.2	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO_3-N	mg/L	4.9	3.6	4.2	3.5	4.2	3.5	3.2	3.8	3.5	3.9	4.0

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

4.72. Wastewater Monitoring Data (M/s. Aarti Industries Ltd.(Unit-lll) Z/111/B)

July 2025 to August 2025												
Wastewater Samples		Month	July 2025			August 2025				September 2025		
		Date of Sampling	04/07/25	15/07/25	21/07/25	02/08/25	07/08/25	11/08/25	21/08/25	04/09/25	10/09/25	16/09/25
S. No.	Test Parameters	Unit	Result									
01.	Temperature	0°C	28	29	28	28	28	29	26	26	27	28
02.	pH at 25^0C	pH unit	7.68	7.58	7.32	7.52	7.25	7.54	7.50	7.36	7.32	7.80
03.	Total Suspended Solids(TSS)	mg/L	34	20	37	33	35	35	35	30	38	35
04.	Color	mg/L	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	COLOURLESS	COLOURLESS	COLOURLESS
05.	Sulphate	mg/L	254	210	248	213	158	184	252	172	184	215
06.	Oil & grease	mg/L	3.4	2.1	2.1	2.5	2.2	2.8	2.1	2.1	2.2	2.2
07.	Fluoride	mg/L	0.4	0.4	0.4	0.3	0.3	0.5	0.5	0.4	0.4	0.4
08.	Sulphide	mg/L	0.3	0.3	0.3	0.2	0.2	0.4	0.4	0.3	0.3	0.3
09.	Ammonical Nitrogen	mg/L	3.4	4.6	5.4	4.8	5.4	4.2	4.2	2.5	4.5	4.6
10.	Total Kjeldahl Nitrogen	mg/L	6.2	7.3	7.6	6.6	8.3	7.9	7.0	4.6	7.2	7.4
11.	Free Ammonia	mg/L	0.22	0.16	0.21	0.21	0.25	0.15	0.15	0.08	0.12	0.28
12.	Copper	mg/L	0.03	0.02	0.05	0.03	0.02	0.01	0.06	0.04	0.04	0.01
13.	Zinc	mg/L	0.12	0.1	0.10	0.10	0.10	0.1	0.15	0.12	0.11	0.13
14.	BOD 3 days at 27^0C	mg/L	45	38	49	43	46	46	45	44	54	46
15.	COD	mg/L	134	113	148	130	138	138	136	132	163	138
16	Total Residual Chlorine	mg/L	0.1	0.1	0.1	0.1	0.1	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)
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	0.04	0.06	0.03	0.05	0.06	0.05	0.04	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)	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	0.4	0.3	0.3	0.3	0.4	0.2	0.2	0.4
22.	Total Chromium	mg/L	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.4	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)
24.	Cyanide	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)
25.	Phenolic compound	mg/L	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.2	0.1
26.	Iron	mg/L	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.2
27.	Vanadium	mg/L	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)	BDL (DL-0.2)
28.	Manganese	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)
29.	Nitrate Nitrogen as NO_3-N	mg/L	2.8	3.6	3.5	3.2	4.2	3.2	3.8	2.0	3.6	3.6

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

5. SOIL QUALITY MONITORING REPORT

Period: April 2025 to September 2025

FOR

DAHEJ SEZ LIMITED

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 2025 to September 2025)

For M/s. Dahej SEZ Limited (SEZ Developer)

Soil Sample Nr.SEZ-1 Admin (Garden)		Month	April 2025	July 2025
		Date of Sampling	21/04/25	16/07/25
S. No.	Test Parameters	Unit	Result	
1	Arsenic	mg/kg	2.6	2.9
2	Lead	mg/kg	2.2	1.8
3	Antimony	mg/kg	BDL (DL-0.2)	BDL (DL-0.2)
4	Beryllium	mg/kg	BDL (DL-0.8)	BDL (DL-0.8)
5	Chromium	mg/kg	29.6	28.4
6	Titanium	mg/kg	N.D.	N.D.
7	Zinc	mg/kg	58.6	62.1
8	Selenium	mg/kg	N.D.	N.D.
9	Silver	mg/kg	BDL (DL-0.5)	BDL (DL-0.5)
10	Nickel	mg/kg	3.5	3.1
11	Cadmium	mg/kg	1.6	1.3
12	VOCs	PPb	Absent	Absent
13	SVOCs	PPb	Absent	Absent
14	Copper	mg/kg	23.4	24.5
15	Mercury	mg/kg	BDL (DL-0.2)	BDL (DL-0.2)
16	PCB	PPb	Absent	Absent
17	TPH	PPb	Absent	Absent
18	PAH	PPb	Absent	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-15802

Issue Date: 31/03/2025 Valid Until: 30/03/2029

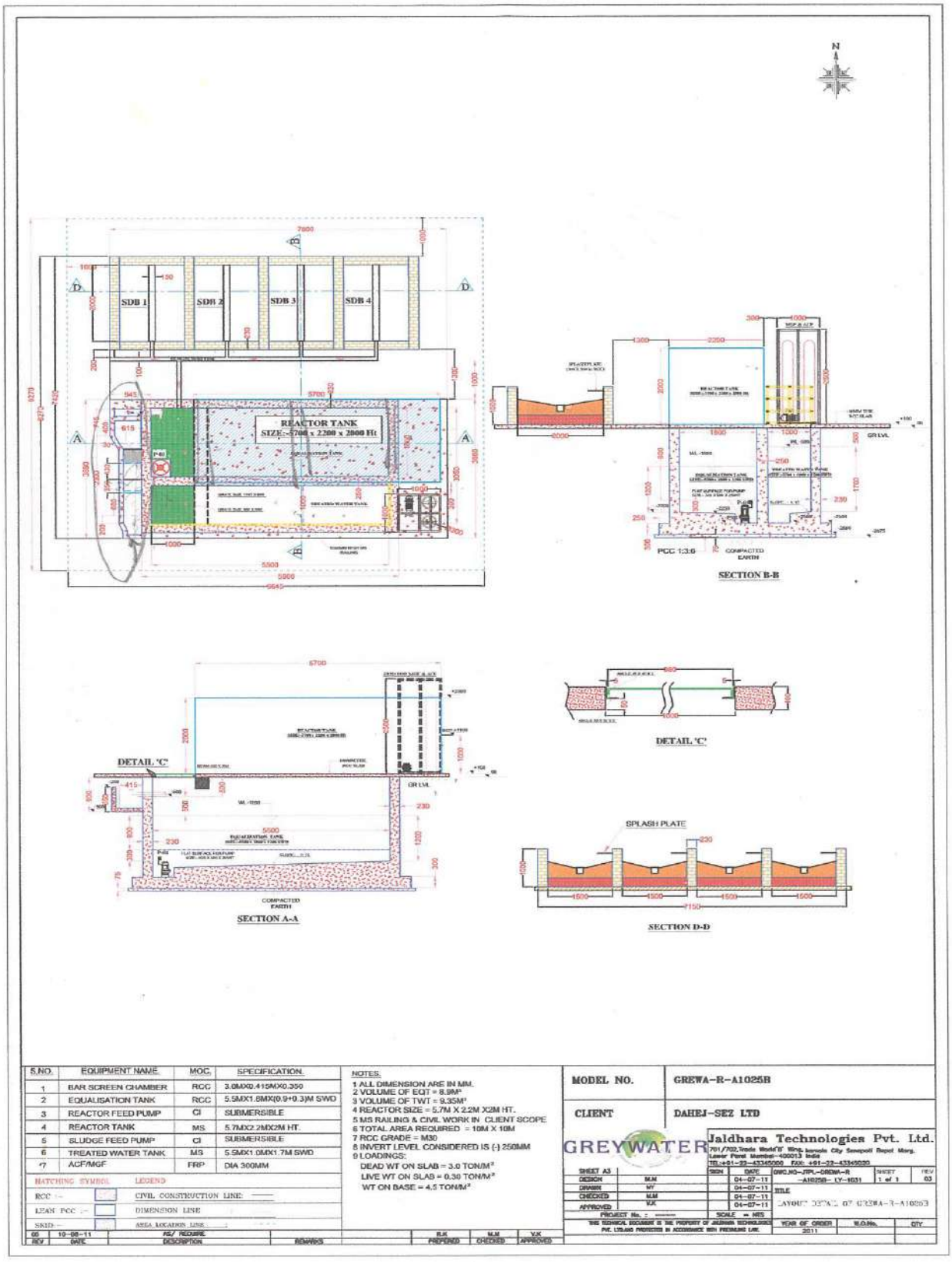
This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of thislaboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: Ecosystem Resource Management Pvt. Ltd.

Signed for and on behalf of NABL

Anuja Anand
Director

N. Venkateswaran
Chief Executive Officer



S.NO.	EQUIPMENT NAME	MOC.	SPECIFICATION.
1	BAR SCREEN CHAMBER	RCC	3.8MX0.415MX0.350
2	EQUALISATION TANK	RCC	5.5MX1.8MX(0.9+0.3)M SWD
3	REACTOR FEED PUMP	CI	SUBMERSIBLE
4	REACTOR TANK	MS	5.7MX2.2MX2M HT.
5	SLUDGE FEED PUMP	CI	SUBMERSIBLE
6	TREATED WATER TANK	MS	5.5MX1.0MX1.7M SWD
7	ACF/MGF	FRP	DIA 300MM

HATCHING SYMBOL LEGEND
RCC :- CIVIL CONSTRUCTION LINE:
LEAN PCC :- DIMENSION LINE
SKID :- AREA LOCATION LINE

NOTES:
1 ALL DIMENSION ARE IN MM.
2 VOLUME OF EQT = 8.9M³
3 VOLUME OF TWT = 9.35M³
4 REACTOR SIZE = 5.7M X 2.2M X2M HT.
5 MS RAILING & CIVIL WORK IN CLIENT SCOPE
6 TOTAL AREA REQUIRED = 10M X 10M
7 RCC GRADE = M30
8 INVERT LEVEL CONSIDERED IS (-) 250MM
9 LOADINGS:
DEAD WT ON SLAB = 3.0 TON/M²
LIVE WT ON SLAB = 0.30 TON/M²
WT ON BASE = 4.5 TON/M²

REV	DATE	DESCRIPTION	REMARKS	PREPARED	CHECKED	APPROVED
00	19-08-11	AS/ REQUIRE		R.K	M.M	V.K

MODEL NO. GREWA-R-A1025R
CLIENT DAHEJ-SEZ LTD

GREYWATER

Jaldhara Technologies Pvt. Ltd.
701/702,Trade World"B" Wing, kamala City Senapati Bapat Marg, Lower Parel Mumbai-400013 India
TEL:+91-22-43345000 FAX: +91-22-43345020

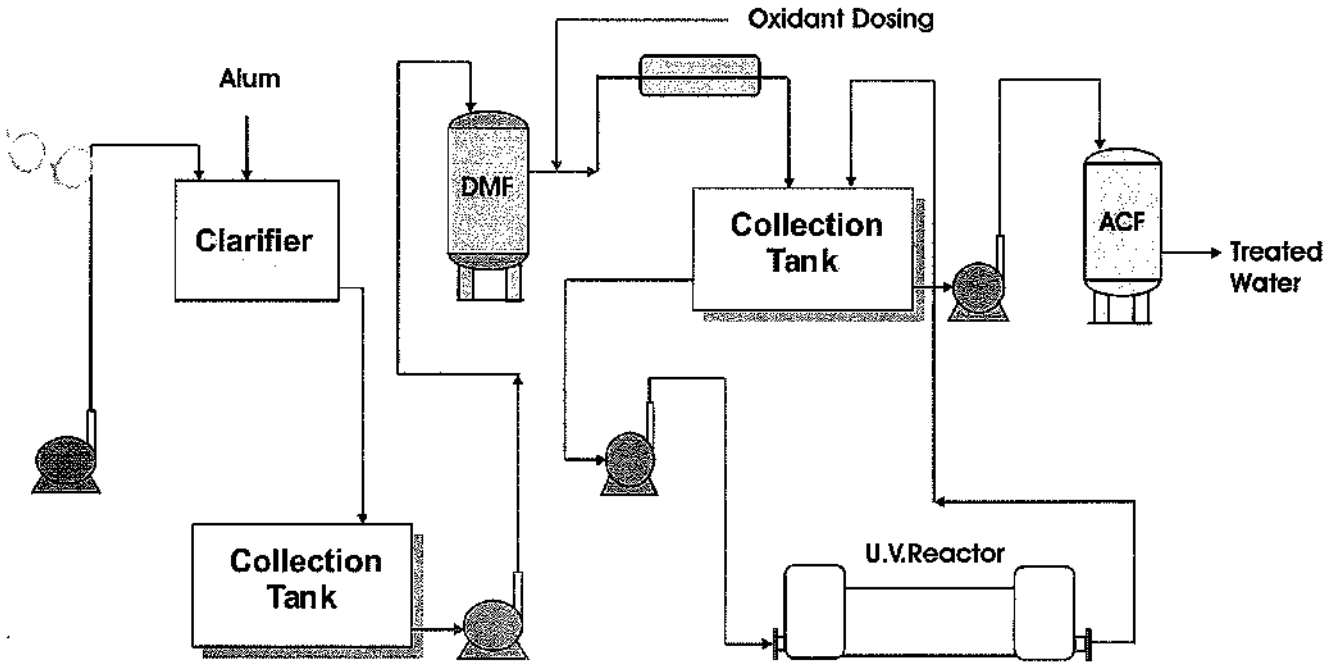
		SIGN	DATE	DWG.NO-JTPL-GREWA-R	SHEET	REV
SHEET A3				-A1025R- LY-1031	1 of 1	03
DESIGN	M.M		04-07-11			
DRAWN	MT		04-07-11	TITLE		
CHECKED	M.M		04-07-11			
APPROVED	V.K		04-07-11	LAYOUT DETAIL OF GREWA-R-A1025R		

PROJECT No. :- SCALE :- M/S

THIS TECHNICAL DOCUMENT IS THE PROPERTY OF JALDHARA TECHNOLOGIES PVT. LTD.AND PROTECTED IN ACCORDANCE WITH PREVAILING LAW.

YEAR OF ORDER 2011 | W.O.No. | QTY

TYPICAL PHOTOCHEMICAL PROCESS FOR WASTEWATER



Annexure 7: Acknowledge copies of previous submitted EC compliances

Subject: EC & CRZ Compliance for the period October-2024 to March-2025 of M/s. Dahej SEZ Limited Located at - Village-Dahej, District-Bharuch.

From: Dahej a <info@dahejsez.com> on Thu, 29 May 2025 12:31:13

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

1 attachment(s) - EC___CRZ_Compliance_IRO__Gandhinagar.pdf (9.33MB)

Dear Sir / Madam,

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-2024 to March -2025.

Kindly acknowledge the receipt.

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

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

Dahej SEZ Limited
Block No. 14, 3rd Floor, Udyog Bhavan,
Sector-11, Gandhinagar-382017, Gujarat, India
Phone : +91-79-23241590, +91-79-23241736
e-mail : ceo@dahejsez.com, info@dahejsez.com
Website : www.dahejsez.com
CIN : U45209GJ2004PLC044779
GSTIN : 24AACCD8098E3ZJ

Ref: DSL/Environmental Clearance/ 2025/ 1029

Date: 13-05-2025

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

Sub: **Submission of Half Yearly compliance report (Period: October 2024 - March 2025) 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 2024 - March 2025**) 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,

J.B. Patel
Chief Executive Officer
For **DAHEJ SEZ LIMITED**

Encl.: a/a

27/5/25
Post Received
Gujarat Pollution Control Board
BHARUCH

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: Gujarat
Publication: Gujarat Prabha (Bharuch Edition)
Date: 28.04.2010

મેમર્સ દહેજ એસ.ઈ.ઝેડ.લિમટેડ

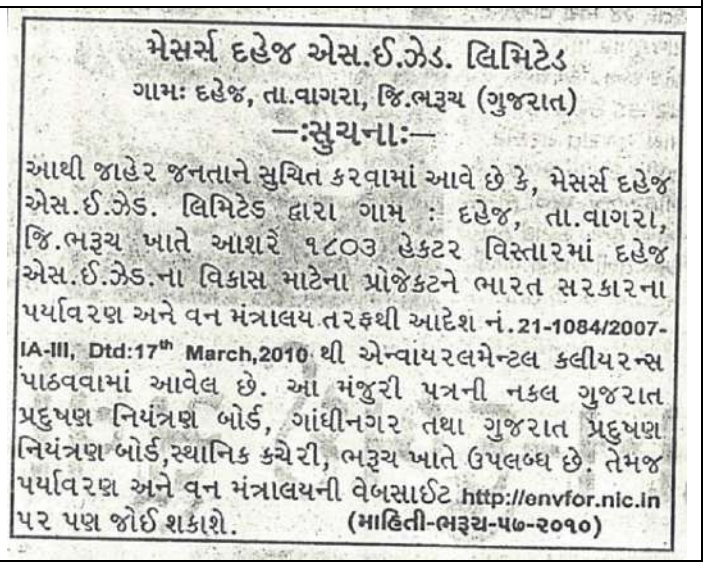
ગામઃદહેજ,તા.વાગરા,જિ.ભરૂચ (ગુજરાત)

-:સુચનાઃ-

આથી જાહેર જનતાને સુચિત કરવામાં આવે છે કે, મેસર્સ દહેજ એસ.ઈ.ઝેડ.લિમિટેડ દ્વારા ગામઃદહેજ,તા.વાગરા, જિ.ભરૂચ ખાતે આશરે ૧૮૦૩ હેકટર વિસ્તારમાં દહેજ એસ.ઈ.ઝેડ.ના વિકાસ માટેના પ્રોજેકટને ભારત સરકારના પર્યાવરણ અને વનમંત્રાલય તરફથી આદેશ નં.21-1084/2007-IA-III,Dtd: 17"March, 2010 થી એન્વાયરલમેન્ટલ કલીયરન્સ પાઠવવામાં આવેલ છે. આ મંજુરી 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 વેબસાઈટhttps:/envfor.nic.in પર પણ જોઈ શકાશે.

માહિતી/ભરૂચ/૫૭/૨૦૧૦

Language: Gujarat
Publication: Sandesh (Vadodara Edition)
Date: 29.04.2010



મેસર્સ દહેજ એસ.ઈ.ઝેડ. લિમિટેડ

ગામઃ દહેજ, તા.વાગરા, જિ.ભરૂચ (ગુજરાત)

—:સુચના:—

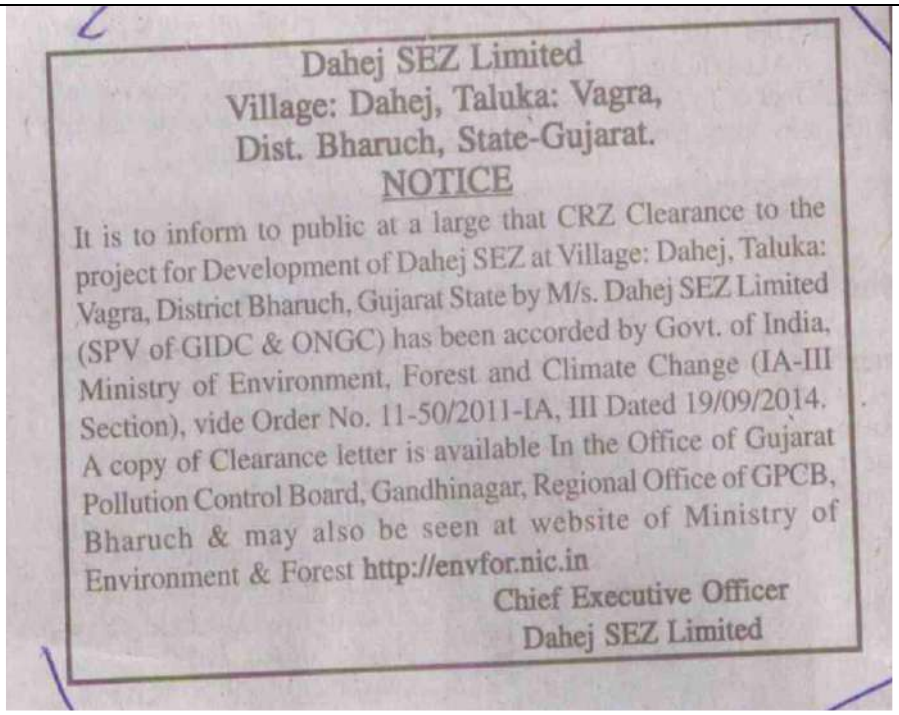
આથી જાહેર જનતાને સુચિત કરવામાં આવે છે કે, મેસર્સ દહેજ એસ.ઈ.ઝેડ. લિમિટેડ દ્વારા ગામ : દહેજ, તા.વાગરા, જિ.ભરૂચ ખાતે આશરે ૧૮૦૩ હેકટર વિસ્તારમાં દહેજ એસ.ઈ.ઝેડ.ના વિકાસ માટેના પ્રોજેકટને ભારત સરકારના પર્યાવરણ અને વન મંત્રાલય તરફથી આદેશ નં.21-1084/2007-IA-III, Dtd:17th March,2010 થી એન્વાયરલમેન્ટલ કલીયરન્સ પાઠવવામાં આવેલ છે. આ મંજુરી પત્રની નકલ ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ, ગાંધીનગર તથા ગુજરાત પ્રદુષણ 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



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

NOTICE

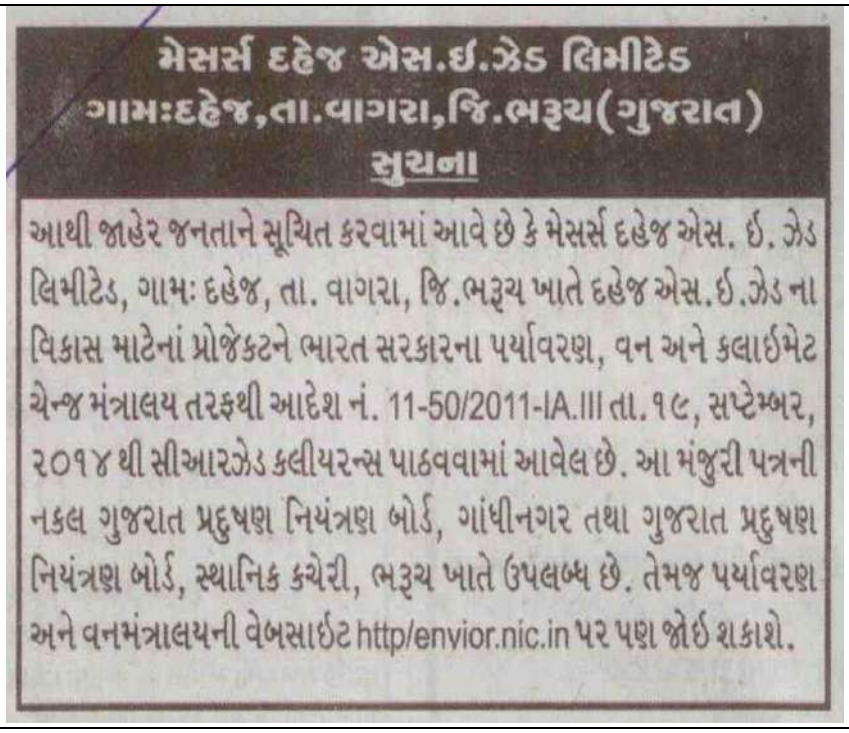
It is to inform to public at a large that CRZ Clearance to the project for Development of Dahej SEZ at Village: Dahej, Taluka: Vagra, District Bharuch, Gujarat State by M/s. Dahej SEZ Limited (SPV of GIDC & ONGC) has been accorded by Govt. of India, Ministry of Environment, Forest and Climate Change (IA-III Section), vide Order No. 11-50/2011-IA, III Dated 19/09/2014. A copy of Clearance letter is available In the Office of Gujarat Pollution Control Board, Gandhinagar, Regional Office of GPCB, Bharuch & may also be seen at website of Ministry of Environment & Forest http://envfor.nic.in

Chief Executive Officer
Dahej SEZ Limited

Language: Gujarati

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

Date: 11.10.2014



મેસર્સ દહેજ એસ.ઇ.ઝેડ લિમીટેડ
ગામઃદહેજ,તા.વાગરા,જિ.ભરૂચ(ગુજરાત)

સુચના

આથી જાહેર જનતાને સૂચિત કરવામાં આવે છે કે મેસર્સ દહેજ એસ. ઈ. ઝેડ લિમીટેડ, ગામઃ દહેજ, તા. વાગરા, જિ.ભરૂચ ખાતે દહેજ એસ.ઈ.ઝેડ ના વિકાસ માટેનાં પ્રોજેકટને ભારત સરકારના પર્યાવરણ, વન અને કલાઈમેટ ચેન્જ મંત્રાલય તરફથી આદેશ નં. 11-50/2011-IA.III તા.૧૯, સપ્ટેમ્બર, ૨૦૧૪ થી સીઆરઝેડ કલીયરન્સ પાઠવવામાં આવેલ છે. આ મંજુરી પત્રની નકલ ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ, ગાંધીનગર તથા ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ, સ્થાનિક કચેરી, ભરૂચ ખાતે ઉપલબ્ધ છે. તેમજ પર્યાવરણ અને વનમંત્રાલયની વેબસાઈટ http/envior.nic.in પર પણ જોઈ શકાશે.

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 2025

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 Primary – (STC Code) Secondary – (STC Code)	:	**Large Scale Industry**
(iii)	Production Capacity – Units	:	**Infrastructure Development**
(iv)	Year of Establishment	:	**2004**
(v)	Date of the last environment statement	:	**26/06/2024**

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 (2023-2024)	During the current financial year (2024-2025)
	(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 (2023-2024)	During the current financial year (2024-2025)
		(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 (2023-2024)	During the current Financial Year (2024-2025)
From process	--	--
From pollution control facilities	--	--

PART – E

Solid Waste

	Total Quantity	
	During the previous Financial Year (2023-2024)	During the current Financial Year (2024-2025)
(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: Jayesh B Patel

Designation: Chief Executive Officer

Date: 03/05/25

Annexure 10: Photographs of Dahej SEZ Limited

Photographs of green belt development at Dahej SEZ Limited


29/05/2025 16:45


25/10/2024 12:30

DAHEJ SEZ LIMITED

Report on Compliances to CRZ Clearance

April 2025 to September 2025

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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INTRODUCTION

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-48). 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

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/S&M
Pl - SPK

(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, SO_2, NOx (ambient levels as well as

3

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)

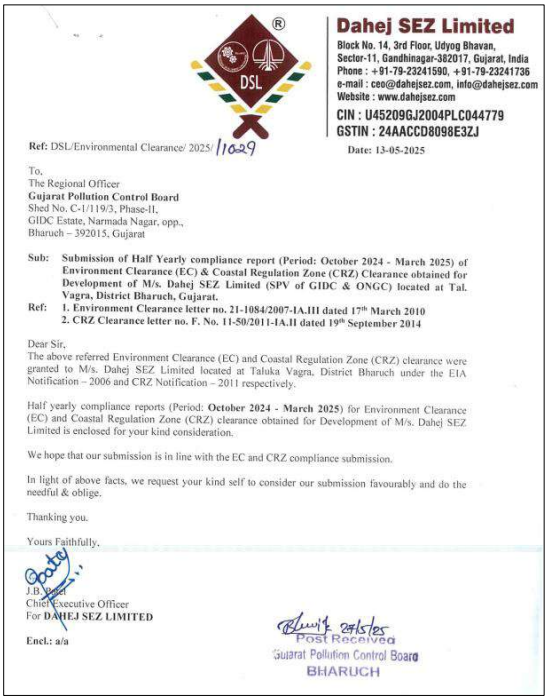
Copy to:

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.

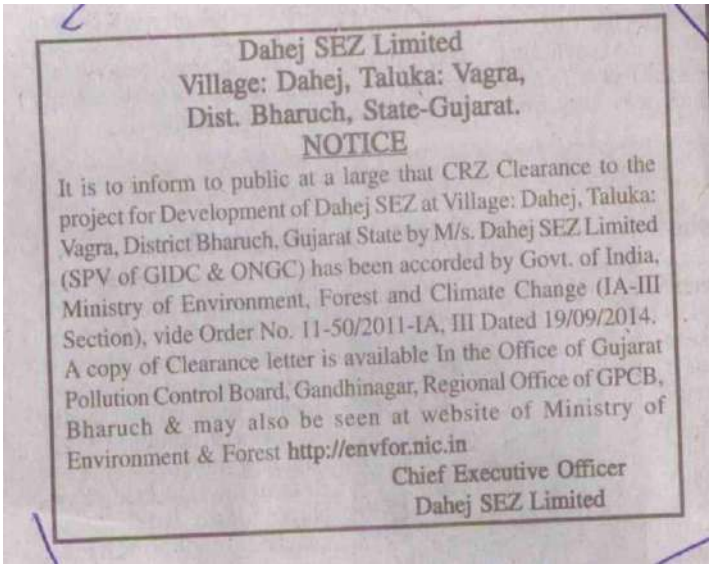
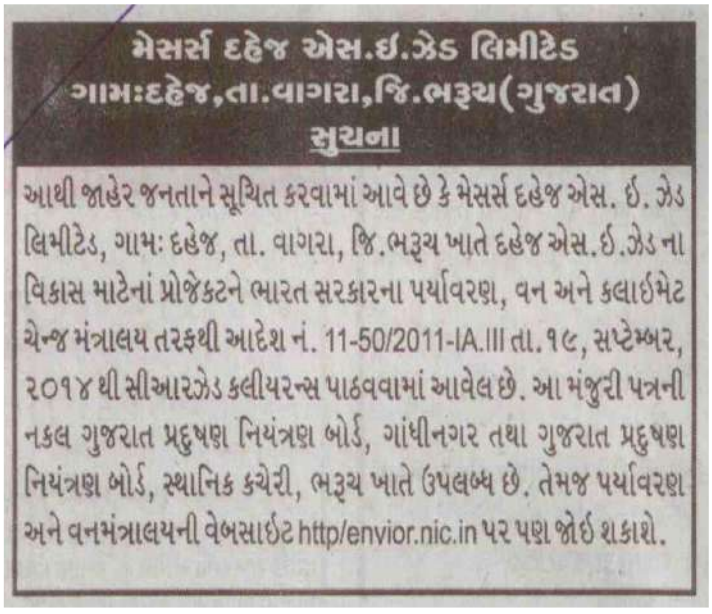
(Lalit Kapur)
Director (IA-III)

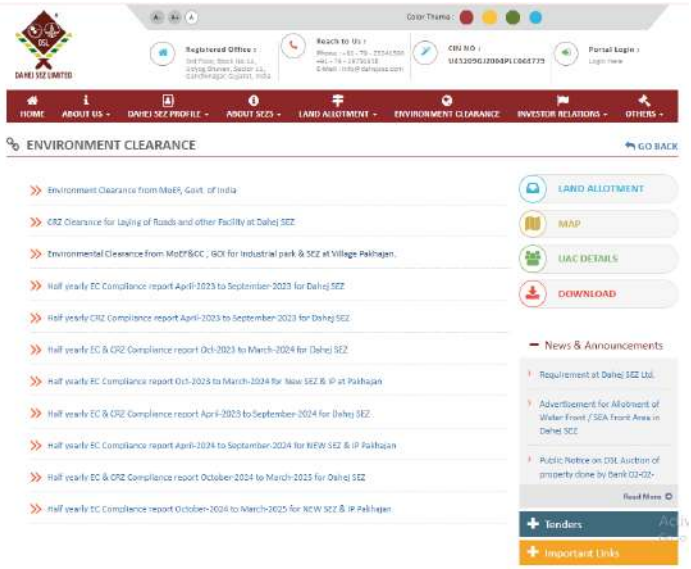
COMPLIANCE TO THE STIPULATED CONDITIONS OF COASTAL REGULATION ZONE (CRZ) CLEARANCE

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.	**Noted and Agreed** 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.
(ii)	There shall no water logging due to the proposed roads.	**Complied.** 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. 
(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.	**Abide by the condition.** 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.

Sr. No.	Conditions	Compliance status
		Subject: EC & CRZ Compliance for the period October-2024 to March-2025 of M/s. Dahej SEZ Limited Located at - Village-Dahej, District-Bharuch. From: Dahej a <info@dahejsez.com> on Thu, 29 May 2025 12:31:13 To: "iro.gandhinagar-mefcc@gov.in" <iro.gandhinagar-mefcc@gov.in> **1 attachment(s)** - EC___CRZ_Compliance_IRO__Gandhinagar.pdf (9.33MB) Dear Sir / Madam, **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-2024 to March -2025. Kindly acknowledge the receipt. Thanking You, Dahej SEZ Limited, Gandhinagar, Gujarat, India Website: www.dahejsez.com Phone no.:079-23241590 / 29750838  **Dahej SEZ Limited** Block No. 14, 3rd Floor, Udyog Bhavan, Sector-11, Gandhinagar-382017, Gujarat, India Phone : +91-79-23241590, +91-79-23241736 e-mail : ceo@dahejsez.com, info@dahejsez.com Website : www.dahejsez.com CIN : U45209GJ2004PLC044779 GSTIN : 24AACCD8098E3ZJ Ref: DSL/Environmental Clearance/ 2025/ 1029 Date: 13-05-2025 To, The Regional Officer **Gujarat Pollution Control Board** Shed No. C-1/119/3, Phase-II, GIDC Estate, Narmada Nagar, opp., Bharuch – 392015, Gujarat **Sub: Submission of Half Yearly compliance report (Period: October 2024 - March 2025) 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 2024 - March 2025**) 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, J.B. Gadoo Chief Executive Officer For DAHEJ SEZ LIMITED Encl.: a/a Post Received Gujarat Pollution Control Board BHARUCH
(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,	**Noted and complied.** The construction of all the structures in the facility is undertaken as per the regulations of GDCR SEZ and in

Sr. No.	Conditions	Compliance status
	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.	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 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.	**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 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	We have already published the advertisement in two local

Sr. No.	Conditions	Compliance status
	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.	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  Dahej SEZ Limited Village: Dahej, Taluka: Vagra, Dist. Bharuch, State-Gujarat. NOTICE It is to inform to public at a large that CRZ Clearance to the 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 Govt. of India, Ministry of Environment, Forest and Climate Change (IA-III Section), vide Order No. 11-50/2011-IA, III Dated 19/09/2014. A copy of Clearance letter is available In the Office of Gujarat Pollution Control Board, Gandhinagar, Regional Office of GPCB, Bharuch & may also be seen at website of Ministry of Environment & Forest http://envfor.nic.in Chief Executive Officer Dahej SEZ Limited  મેસર્સ દહેજ એસ.ઇ.ઝેડ લિમીટેડ ગામઃદહેજ,તા.વાગરા,જિ.ભરૂચ(ગુજરાત) સુચના આથી જાહેર જનતાને સૂચિત કરવામાં આવે છે કે મેસર્સ દહેજ એસ. ઈ. ઝેડ લિમીટેડ, ગામઃ દહેજ, તા. વાગરા, જિ.ભરૂચ ખાતે દહેજ એસ.ઈ.ઝેડ ના વિકાસ માટેનાં પ્રોજેકટને ભારત સરકારના પર્યાવરણ, વન અને કલાઈમેટ ચેન્જ મંત્રાલય તરફથી આદેશ નં. 11-50/2011-IA.III તા.૧૯, સપ્ટેમ્બર, ૨૦૧૪ થી સીઆરઝેડ કલીયરન્સ પાઠવવામાં આવેલ છે. આ મંજુરી પત્રની નકલ ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ, ગાંધીનગર તથા ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ, સ્થાનિક કચેરી, ભરૂચ ખાતે ઉપલબ્ધ છે. તેમજ પર્યાવરણ અને વનમંત્રાલયની વેબસાઈટ http/envior.nic.in પર પણ જોઈ શકાશે.

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 Petitio (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 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.	**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. **Photograph of website**  **Link: http://www.dahejsez.com/ec/**
12.	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, NOX (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 email) to respective regional Office of MoEF & CC, the respective Zonal office of CPCB and the SPCB.	**Abide by the condition.** 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

Sr. No.	Conditions	Compliance status
		SPCB every six months as per the condition of Environment Clearance.
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 EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	We have already submitted the Environment Statement (Form-V) to GPCB for the financial year 2024-2025 as per the mandatory requirement under EPA, 1986, as amended subsequently.