



# **KALASALINGAM**

## **ACADEMY OF RESEARCH AND EDUCATION**

### **(DEEMED TO BE UNIVERSITY)**

**Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A++" Grade**



Anand Nagar, Krishnankoil, Srivilliputtur (Via), Virudhunagar (Dt) - 626126, Tamil Nadu | [info@kalasalingam.ac.in](mailto:info@kalasalingam.ac.in) | [www.kalasalingam.ac.in](http://www.kalasalingam.ac.in)

## **THE - Impact Rankings 2025**

### **SDG 14:Life below Water**

#### **Annual Report – 2022 to 2023**

The land cover of KARE is 163 acres, hence an annual rainfall of approximately 5.4 lakh m<sup>3</sup>/year of water recharges the borewell. We have replaced conventional water appliances instead; we are using water efficient appliances like water tap and toilet flush. By using these appliances wastage of water gets minimized and conservation of water is possible. Laundry facility in the campus is centralized and it is the most water efficient system within the campus where minimum water is utilized for washing purposes. Boilers are utilized in the hostel kitchen to reduce the wastage of water. We are following water quality standards as per central pollution control board <https://cpcb.nic.in/wqstandards/>



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Karasal Nagan, Krishnankoil - 626126. Scholarship (SAs), Visiting/Visiting (VVs), Youth Hostel | info@kalasalingam.ac.in | www.kalasalingam.ac.in

SCHOOL OF ADVANCED SCIENCES / DEPARTMENT OF CHEMISTRY  
CHEMISTRY LABORATORY

09.07.2024

Water Analysis Report

Name of the sample : KARE Sewage Plant

Date of the sample taken : 09.07.2024

Analyzed Date : 09.07.2024

Sl. No	Parameters	Observed Values		Agriculture Irrigation Standard
		Inlet	Outlet 500 KLD	
1.	pH	10.5	8.1 ✓	6.5 - 8.5
2.	TDS	1250 ppm	867 ppm ✓	< 1000 ppm
3.	Turbidity	10 NTU	3 NTU ✓	< 5 NTU

E. N. Nopay  
HoD / Chemistry 5/7/2024



E. N. Nopay  
Dean / SAS



# NAWaL Analytical Laboratories

## Test Report

Certified as per ISO 9001:2015, ISO 45001:2018

Report No. NAL001E3000045602 Date: 27/10/2023

Sample ID No. : NAL/2023/10EN00016124  
 Discipline / Group : Chemical / Pollution & Environment  
 Name of the Customer\* : WATER MAX (Kaleelalingam Academy Of Research Education)  
 Address : 1/216, Anand Nagar, Engappanickerpatti Panchayat,  
 Kethukkad, Srivilliputhur (T), Virudhunagar (Dt), Tamilnadu-626126.  
 Sample Described by the Customer\* : ETf PLANT TREATED WATER  
 Quantity of the Sample Received : 2 ltr  
 Condition on Receipt : Fit for Analysis  
 Requested By\* : Mr. P. Mani  
 Information about Sampling : Submitted by Customer  
 Customer Reference : By Letter Dated 20/10/2023  
 Date of Sample Receipt : 20/10/2023  
 Date of test Starting : 20/10/2023  
 Date of test Completed : 27/10/2023

S.No	PARAMETERS	TEST PROTOCOL	UNIT	TEST RESULTS	PCB NORMS
1	pH@ 25°C	IS 3025(P-11):2022	-	6.53	5.5-9.0
2	Total Dissolved Solids	IS 3025(P-16):1984	mg/L	880.0	2100.0
3	Chemical Oxygen Demand	IS 3025(P-55):2006	mg/L	48.77	250.0
4	BOD, 5 days @ 27°C	IS 3025(P-44):1993	mg/L	9.25	30.0
5	Total Nitrogen	IS 3025(P-54):1988	mg/L	7.04	100.0
6	Ammonical Nitrogen (as N)	IS 3025(P-54):1988	mg/L	0.76	50.0
7	Total Hardness as CaCO3	IS 3025(P-21):2009	mg/L	421.57	-

BIOLOGICAL PARAMETERS					
8	Faecal Coliforms	IS 1622:1981	MPN/100 ml	80	-

**Disclaimer:**  
 All the detection parameters are carried out with the sample in received condition. The results relate only to the items tested. This report is valid strictly for the sample submitted for analysis to NAWaL Analytical Laboratories and shall not be under any circumstances extrapolated to any other product or made out of this sample.  
 NAWaL Analytical Laboratories is not responsible for any deterioration in quality or quantity of the product due to the nature of the product or during storage.

**Note:** \* Data provided by the Customer. The information provided by customer may affect the validity of test result.

Authorized Signatory  
 V. Rajan  
 Dy. Tech Manager Microbiology



For NAWaL Analytical Laboratories  
  
 Authorized Signatory  
 S. Saranya  
 Deputy Technical Manager





**TAMILNADU POLLUTION CONTROL BOARD**  
Advanced Environmental Laboratory, Madurai  
(E-Mail: [selmdlu@tnpcb.gov.in](mailto:selmdlu@tnpcb.gov.in), Phone No: 0452 2489497)

ROA No. 226/AEL-MDU/2022-23, Dated: 01.03.2023

1.	Name and address of the sender	The District Environmental Engineer Tamil Nadu Pollution Control Board Virudhunagar.
2.	Dated and Time of collection	01.02.2023, 3.50 pm, 04.00 pm
3.	Date and Time of receipt at Lab.	02.02.2023, 03.15 pm
4.	Condition of Seal, Fastening	Unsealed, Unfastened
5.	Nature and Number of Samples	2 Numbers of Sewage
6.	Date of Analysis	02.02.2023

DEE Code No.	Lab code No.	Point of Collection	Whether Untreated/Treated
02-01	1653	STP Inlet	Untreated
02-02	1654	STP Outlet	Treated

**Test Report**

Sl. No	PARAMETER	TEST METHOD	Unit	Test Samples Code Nos.	
				Lab: 1653 DEE: 02-01	Lab: 1654 DEE: 02-02
1.	pH @ 25° C	APHA 23 <sup>rd</sup> Edt 2017, Part No. 4500 H <sup>+</sup>	--	6.40	7.16
2.	Total Suspended Solids	APHA 23 <sup>rd</sup> Edt 2017, Part No. 2540 D	mg/L	58	10
3.	Total Dissolved Solids	APHA 23 <sup>rd</sup> Edt 2017, Part No. 2540 C	mg/L	1132	968
4.	BOD for 3 days @ 27° C	IS 3025 (Part 44) 1993	mg/L	242	4
5.	C O D	IS 3025 (Part 54) 2006	mg/L	1008	32
6.	Total Solids	APHA 23 <sup>rd</sup> Edt 2017, Part No. 4500- Norg B NH <sub>3</sub> B,C, NO <sub>2</sub> , NO <sub>3</sub>	mg/L	1190	978
7.	Ammoniacal Nitrogen	APHA 23 <sup>rd</sup> Edt 2017, Part No. 4500- NH <sub>3</sub> B,C	mg/L	20.16	1.12
8.	Total Kjeldahl Nitrogen	APHA 23 <sup>rd</sup> Edt 2017, Part No. 4500- Norg B	mg/L	44.8	3.92
9.	Total Coliform	APHA 23 <sup>rd</sup> Edt 2017, Part No. 9221-B	MPN/100ml	33 x 10 <sup>3</sup>	32
10.	Fecal Coliform	APHA 23 <sup>rd</sup> Edt 2017, Part No. 9221-E	MPN/100ml	14 x 10 <sup>3</sup>	17

**Note:**

1. Results relate only to the items tested samples.
2. The reports shall not be reproduced except in fully approval of the laboratory can provide assurance that parts of a reports are not take out of context.

Checked by

*S. M. A. Hasan*  
DCSO

Authorized Signatory

*N. V. Srinivasan*  
21/3/23  
Chief Scientific Officer,  
AEL, TNPCB, Madurai

**Policies:**

Ø Our institution has the following policies for conservation of water, recycling of waste water, usage of treated water and water pollution control.

1. Water Conservation Policy

(<https://kalasalingam.ac.in/wp-content/uploads/2021/11/Water-Conservation-Policy.pdf>)

## 2. Recycle Policy <https://kalasalingam.ac.in/wp-content/uploads/2021/11/Recycle-Policy.pdf>

Ø As per the policies, we have conducted awareness programs on water pollution control in our campus.

Ø Hence in our campus policy and programs for water pollution control have been fully implemented and monitored regularly.

### **INITIATIVES TO REDUCE THE USE OF PLASTIC:**

An awareness program to reduce the use of plastic was conducted by the volunteers of Green Army in the nearby village (Mullikulam).















**Plastic Free Campus - Sign Board**