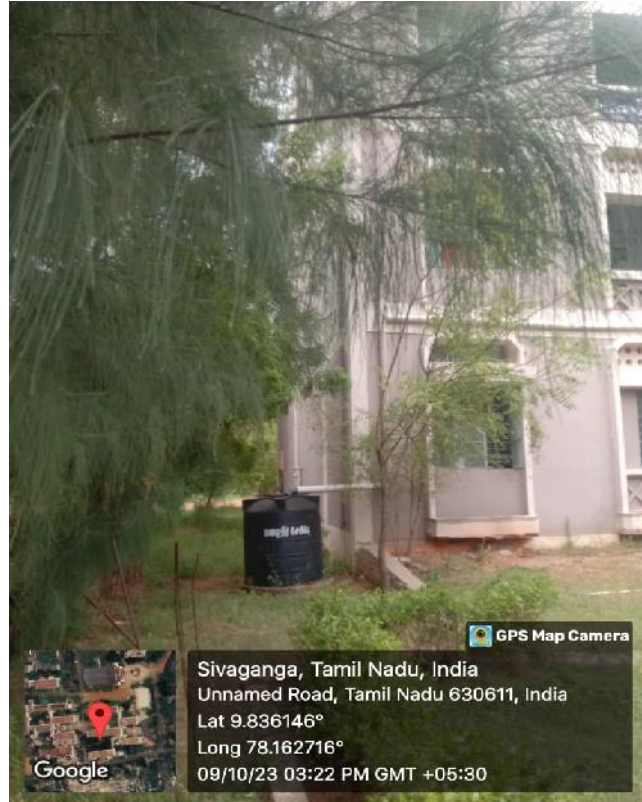
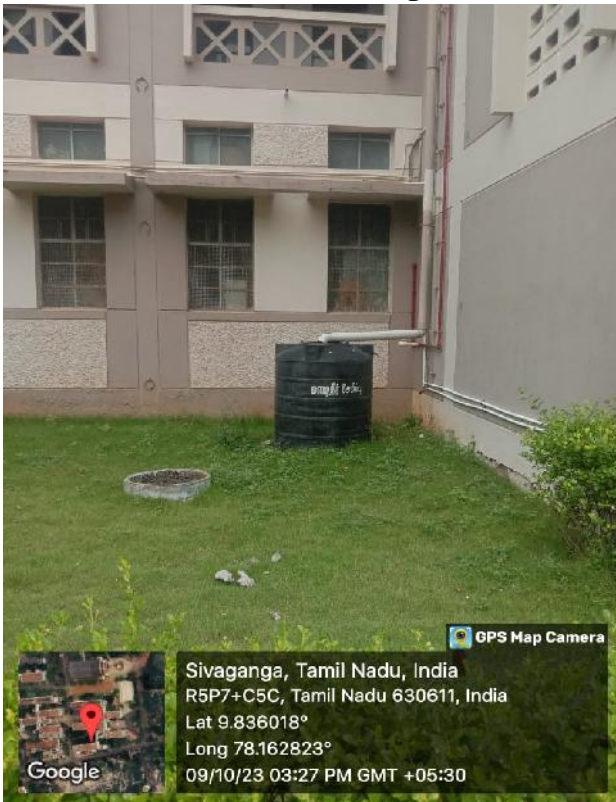


1. Rainwater Harvesting



Rainwater is collected from roof and redirected to a tank through 4" pipes. Rainwater harvesting is located at Office block, Canteen block, Library block, EEE block etc.

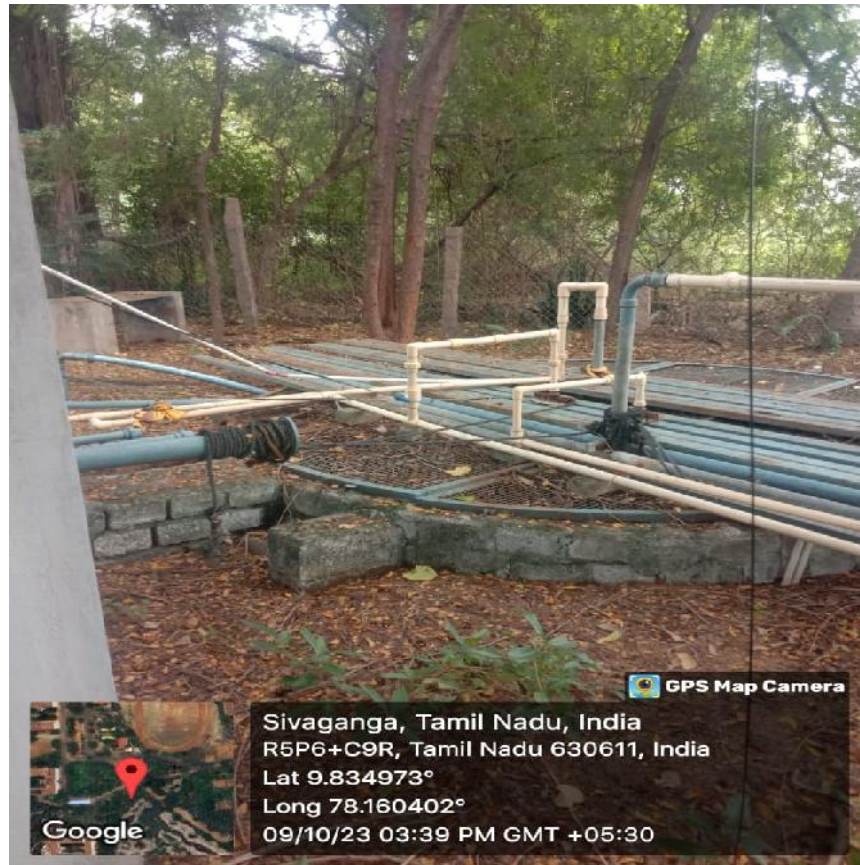
2. Borewell / Open well recharge

Bore well



This bore well is located into an underground in the various places of our campus such as Backside of Automobile block, Nearer to Indoor Stadium, At Gents hostel, Nearer to College main gate etc . The 5HP electrical pumps are used in our campus to pump out the water from the bore wells.

Open well recharge



This open well is constructed nearer to the PG block with 40ft depth.

3. Construction of tanks and bunds



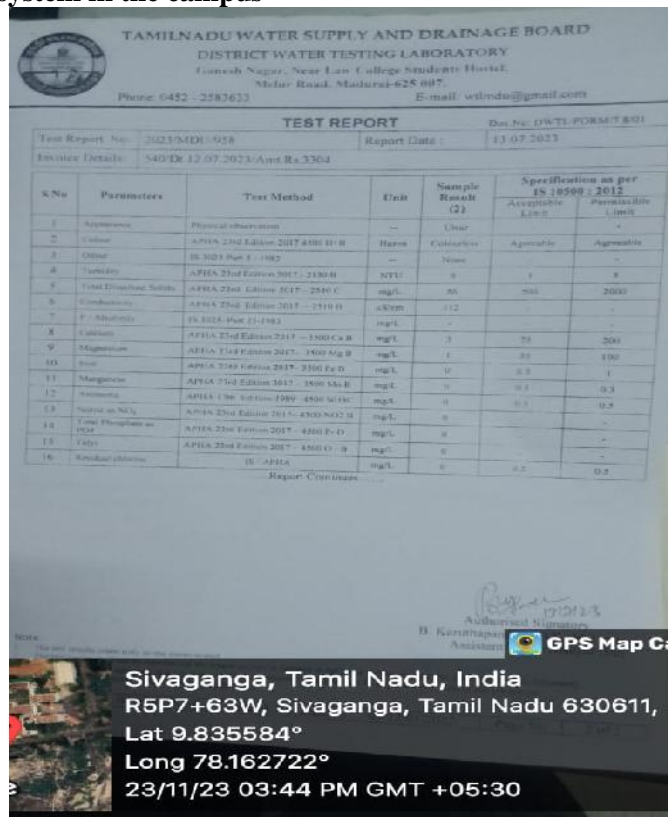
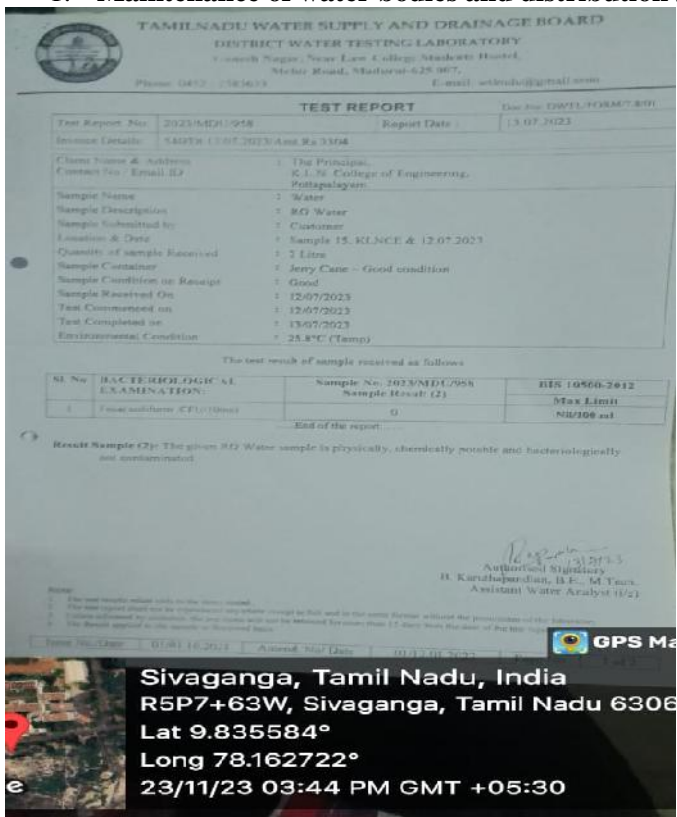
It is constructed by bricks over the roof to store the water which is extracted from the bore wells. From there, storage water is distributed to various purposes by pipelines. Water tanks have constructed over Canteen block, Ladies hostel, All departments etc.

4. Waste water recycling



This plant is located nearer to the Ladies Hostel. Here drainage water is filtered and recycled by various treatments. This recycled water is used for watering the plants in gardens.

1. Maintenance of water bodies and distribution system in the campus



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
Ganesh Nagar, Near Law College Students Hostel,
Mettur Road, Madurai-625 007,
Phone: 0452 - 2583633 E-mail: wtmda@gmail.com

TEST REPORT Doc.No: DWTL/FORM/7/8/1

Test Report No: 2023/MDU/957 Report Date: 13.07.2023
Invoice Details: 540/D/12.07.2023/Am.Rs.3304
URL No: TC10398230000148E

S.No	Parameters	Test Method	Unit	Sample Result (1)	Specification as per IS 10500:2012	
					Acceptable Limit	Permissible Limit
1	Appearance	Physical observation	--	Clear	--	--
2	Color	APHA 21st Edition 2017- 2100 (Pt B)	Placo	Colorless	Agreeable	Agreeable
3	Taste	IS 3025 Part 5: 1986	--	None	--	--
4	Turbidity	APHA 21st Edition 2017- 2110 (B)	NTU	0	1	1
5	Total Dissolved Solids	APHA 21st Edition 2017- 2540 C	mg/L	35	500	1000
6	Conductivity	APHA 21st Edition 2017- 2510 B	µS/cm	70	--	--
7	pH	IS 3025 Part 5: 1986	mg/L	--	--	--
8	Calcium	APHA 21st Edition 2017- 3500 Ca B	mg/L	3	75	200
9	Magnesium	APHA 21st Edition 2017- 3500 Mg B	mg/L	1	30	100
10	Iron	APHA 21st Edition 2017- 3500 Fe B	mg/L	0	0.3	1
11	Manganese	APHA 21st Edition 2017- 4500 Mn B	mg/L	0	0.1	0.3
12	Ammonia	APHA 21st Edition 2017- 4500 NH3	mg/L	0	0.5	0.5
13	Nitrate as NO3	APHA 21st Edition 2017- 4500 NO3 B	mg/L	0	--	--
14	Total Suspended Solids	APHA 21st Edition 2017- 4500 TSS	mg/L	0	--	--
15	Total Solids	APHA 21st Edition 2017- 4500 TSS	mg/L	0	--	--
16	Residual Chlorine	IS 3025 Part 5: 1986	mg/L	0	0.2	0.5

...Report Continues...

GPS Map Cam

Sivaganga, Tamil Nadu, India
R5P7+63W, Sivaganga, Tamil Nadu 630611, India
Lat 9.835581°
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TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
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Mettur Road, Madurai-625 007,
Phone: 0452 - 2583633 E-mail: wtmda@gmail.com

TEST REPORT Doc.No: DWTL/FORM/7/8/1

Test Report No: 2023/MDU/957 Report Date: 13.07.2023
Invoice Details: 540/D/12.07.2023/Am.Rs.3304
URL No: TC10398230000148E

Client Name & Address: The Principal, K.L.N. College of Engineering, Pattapalayam.
Contact No / Email ID: --
Sample Name: Water
Sample Description: RO Water
Sample Submitted by: Customer
Location & Date: Sample 14, KLNCE & 12.07.2023
Quantity of sample Received: 2 Litre
Sample Container: Jerry Can - Good condition
Sample Condition on Receipt: Good
Sample Received On: 12/07/2023
Test Commenced on: 12/07/2023
Test Completed on: 13/07/2023
Environmental Condition: 25.8°C (Temp)

S.No	Parameters	Test Method	Unit	Sample Result (1)	Specification as per IS 10500:2012	
					Acceptable Limit	Permissible Limit
1	pH	IS 3025 Part 5: 1986	--	6.50	6.5-8.5	6.5-8.5
2	Total Dissolved Solids	IS 3025 Part 5: 1986	mg/L	10	500	1000
3	Total Alkalinity	IS 3025 Part 5: 1986	mg/L	15	200	600
4	Chloride as Cl	IS 3025 Part 5: 1986	mg/L	11	250	1000
5	Sulfate as SO4	IS 3025 Part 5: 1986	mg/L	Less than 5	200	400
6	Ammonia as NH3	APHA 21st Edition 2017- 4500 NH3 B	mg/L	Less than 2	0.5	0.5
7	Fluoride as F	APHA 21st Edition 2017- 4500 F B	mg/L	Less than 0.2	1.0	1.5

Remarks: The above water sample is analyzed as per IS 10500:2012 Drinking Water Specification with respect to above listed parameters.

B. Karthikeyan
Assistant

GPS Map Cam

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Long 78.162718°
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Mettur Road, Madurai-625 007,
Phone: 0452 - 2583633 E-mail: wtmda@gmail.com

TEST REPORT Doc.No: DWTL/FORM/7/8/1

Test Report No: 2023/MDU/958 Report Date: 13.07.2023
Invoice Details: 540/D/12.07.2023/Am.Rs.3304
URL No: TC10398230000149E

Client Name & Address: The Principal, K.L.N. College of Engineering, Pattapalayam.
Contact No / Email ID: --
Sample Name: Water
Sample Description: RO Water
Sample Submitted by: Customer
Location & Date: Sample 15, KLNCE & 12.07.2023
Quantity of sample Received: 2 Litre
Sample Container: Jerry Can - Good condition
Sample Condition on Receipt: Good
Sample Received On: 12/07/2023
Test Commenced on: 12/07/2023
Test Completed on: 13/07/2023
Environmental Condition: 25.8°C (Temp)

S.No	Parameters	Test Method	Unit	Sample Result (1)	Specification as per IS 10500:2012	
					Acceptable Limit	Permissible Limit
1	pH	IS 3025 Part 5: 1986	--	6.85	6.5-8.5	6.5-8.5
2	Total Dissolved Solids	IS 3025 Part 5: 1986	mg/L	10	200	600
3	Total Alkalinity	IS 3025 Part 5: 1986	mg/L	20	200	600
4	Chloride as Cl	IS 3025 Part 5: 1986	mg/L	24	250	1000
5	Sulfate as SO4	IS 3025 Part 5: 1986	mg/L	Less than 5	200	400
6	Ammonia as NH3	APHA 21st Edition 2017- 4500 NH3 B	mg/L	Less than 2	0.5	0.5
7	Fluoride as F	APHA 21st Edition 2017- 4500 F B	mg/L	Less than 0.2	1.0	1.5

Remarks: The above water sample is analyzed as per IS 10500:2012 Drinking Water Specification with respect to above listed parameters.

GPS Map Cam

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TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
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Phone: 0452 - 2583633 E-mail: wtmda@gmail.com

TEST REPORT Doc.No: DWTL/FORM/7/8/1

Test Report No: 2023/MDU/957 Report Date: 13.07.2023
Invoice Details: 540/D/12.07.2023/Am.Rs.3304
URL No: TC10398230000149E

Client Name & Address: The Principal, K.L.N. College of Engineering, Pattapalayam.
Contact No / Email ID: --
Sample Name: Water
Sample Description: RO Water
Sample Submitted by: Customer
Location & Date: Sample 14, KLNCE & 12.07.2023
Quantity of sample Received: 2 Litre
Sample Container: Jerry Can - Good condition
Sample Condition on Receipt: Good
Sample Received On: 12/07/2023
Test Commenced on: 12/07/2023
Test Completed on: 13/07/2023
Environmental Condition: 25.8°C (Temp)

The test result of sample received as follows

Sl.No	EXAMINATION:	Sample No. 2023/MDU/957 Sample Result (1)	BIS 10500:2012 Max Limit NI/100 ml
1	Foecal coliform (CFU/100ml)	0	NI/100 ml

...End of the report...

Result Sample (1): The given RO Water sample is physically, chemically potable and bacteriologically not contaminated.

GPS Map Cam

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DISTRICT WATER TESTING LABORATORY
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 Madhav Road, Madhavur-625 007.
 Phone: 0452 - 2583633 E-mail: wtdnl@gmail.com

TEST REPORT Dkt.No: DWTL FORM 7 (B)

Test Report No: 2023/MDU/890 Report Date: 02.06.2023
 Invoice Details: 501/Th.29.05.2023/Am.Rs.3304

Client Name & Address: K. L. N. College of Engineering, Pottapalayam.
 Contact No./Email ID: -

Sample Name: Water
 Sample Description: RO Water
 Sample Submitted by: Customer
 Location & Date: KLNCE (Sample 15) & 29.05.2023
 Quantity of sample Received: 2 Litre
 Sample Container: Plastic - Good condition
 Sample Condition on Receipt: Good
 Sample Received On: 29.05.2023
 Test Commenced on: 29.05.2023
 Test Completed on: 01.06.2023
 Environmental Condition: 25.8°C

The test result of sample received as follows

Sl. No	BACTERIOLOGICAL EXAMINATION:	Sample No. 2023/MDU/890 Sample Result (2)	BIS 10500-2012
1	Total coliforms (CFU/100ml)	0	Max Limit 500/100ml

Result Sample (2): The given RO water sample is physically and chemically potable and bacteriologically not contaminated.

Authorised Signatory: B. Karthikeyan, B.E., M.Tech. Assistant Water Analyst (I/C)

GPS Map

Sivaganga, Tamil Nadu, India
R5P7+63W, Sivaganga, Tamil Nadu 630611
Lat 9.835581°
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TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Madhav Road, Madhavur-625 007.
 Phone: 0452 - 2583633 E-mail: wtdnl@gmail.com

TEST REPORT Dkt.No: DWTL FORM 7 (B)

Test Report No: 2023/MDU/890 Report Date: 02.06.2023
 Invoice Details: 501/Th.29.05.2023/Am.Rs.3304

Sl.No	Parameters	Test Method	Unit	Sample Result (2)	Specification as per IS 10500 : 2012
1	Appearance	Physical observation	-	Clear	Acceptable
2	Taste	APHA 2104 Edition 2017-2000 B	None	Colorless	Acceptable
3	Odour	IS 3025 Part 1: 1966	-	None	-
4	Turbidity	APHA 2104 Edition 2017-2000 B	NTU	0	1
5	Total Dissolved Solids	APHA 2104 Edition 2017-2000 B	mg/L	57	500
6	Calcium	APHA 2104 Edition 2017-2000 B	mg/L	104	750
7	Magnesium	IS 3025 Part 1: 1966	mg/L	0	-
8	Chloride	APHA 2104 Edition 2017-2000 B	mg/L	1	250
9	Sulphate	APHA 2104 Edition 2017-2000 B	mg/L	0.6	400
10	Iron	APHA 2104 Edition 2017-2000 B	mg/L	-	-
11	Copper	APHA 2104 Edition 2017-2000 B	mg/L	-	-
12	Lead	APHA 2104 Edition 2017-2000 B	mg/L	-	-
13	Nitrate	APHA 2104 Edition 2017-2000 B	mg/L	0	50
14	Zinc	APHA 2104 Edition 2017-2000 B	mg/L	0	0.1
15	Nitrite	APHA 2104 Edition 2017-2000 B	mg/L	0	0.5
16	Total Phosphate as P _T	APHA 2104 Edition 2017-2000 B	mg/L	0	-
17	Fluoride	APHA 2104 Edition 2017-2000 B	mg/L	0.6	-
18	Residual Chlorine	B-APHA	mg/L	0	0.2

Report Continues

Authorised Signatory: B. Karthikeyan, B.E., M.Tech. Assistant Water Analyst (I/C)

GPS Map

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Lat 9.835581°
Long 78.162718°
23/11/23 03:27 PM GMT +05:30

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Madhav Road, Madhavur-625 007.
 Phone: 0452 - 2583633 E-mail: wtdnl@gmail.com

TEST REPORT Dkt.No: DWTL FORM 7 (B)

Test Report No: 2023/MDU/889 Report Date: 02.06.2023
 Invoice Details: 501/Th.29.05.2023/Am.Rs.3304

Client Name & Address: K. L. N. College of Engineering, Pottapalayam.
 Contact No./Email ID: -

Sample Name: Water
 Sample Description: RO Water
 Sample Submitted by: Customer
 Location & Date: KLNCE (Sample 17) & 29.05.2023
 Quantity of sample Received: 2 Litre
 Sample Container: Plastic - Good condition
 Sample Condition on Receipt: Good
 Sample Received On: 29.05.2023
 Test Commenced on: 29.05.2023
 Test Completed on: 01.06.2023
 Environmental Condition: 25.8°C

The test result of sample received as follows

Sl. No	Parameters	Test Method	Unit	Sample Result (2)	Specification as per IS 10500 : 2012
1	pH	IS 3025 Part 1: 1966	-	7.00	Acceptable
2	Total Hardness as CaCO ₃	IS 3025 Part 2: 2005	mg/L	Less than 5	200
3	Total Alkalinity	IS 3025 Part 2: 1966	mg/L	13	500
4	Chloride as Cl ⁻	IS 3025 Part 2: 1966	mg/L	10	250
5	Sulphate as SO ₄ ²⁻	IS 3025 Part 2: 1966	mg/L	Less than 5	200
6	Iron as Fe	APHA 2104 Edition 2017-2000 B	mg/L	Less than 2	0.3
7	Fluoride as F ⁻	APHA 2104 Edition 2017-2000 B	mg/L	Less than 0.2	0.5

Remarks: The above water sample is considered to be safe for drinking water (Specification) with respect to above listed parameters.

Authorised Signatory: B. Karthikeyan, B.E., M.Tech. Assistant Water Analyst (I/C)

GPS Map

Sivaganga, Tamil Nadu, India
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TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Madhav Road, Madhavur-625 007.
 Phone: 0452 - 2583633 E-mail: wtdnl@gmail.com

TEST REPORT Dkt.No: DWTL FORM 7 (B)

Test Report No: 2023/MDU/889 Report Date: 02.06.2023
 Invoice Details: 501/Th.29.05.2023/Am.Rs.3304

Client Name & Address: K. L. N. College of Engineering, Pottapalayam.
 Contact No./Email ID: -

Sample Name: Water
 Sample Description: RO Water
 Sample Submitted by: Customer
 Location & Date: KLNCE (Sample 12) & 29.05.2023
 Quantity of sample Received: 2 Litre
 Sample Container: Plastic - Good condition
 Sample Condition on Receipt: Good
 Sample Received On: 29.05.2023
 Test Commenced on: 29.05.2023
 Test Completed on: 01.06.2023
 Environmental Condition: 25.8°C

The test result of sample received as follows

Sl. No	BACTERIOLOGICAL EXAMINATION:	Sample No. 2023/MDU/889 Sample Result (1)	BIS 10500-2012
1	Total coliforms (CFU/100ml)	0	Max Limit 500/100ml

Result Sample (1): The given RO water sample is physically, chemically potable and bacteriologically not contaminated.

Authorised Signatory: B. Karthikeyan, B.E., M.Tech. Assistant Water Analyst (I/C)

GPS Map

Sivaganga, Tamil Nadu, India
R5P7+63W, Sivaganga, Tamil Nadu 630611
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TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
Ganesh Nagar, Near Law College Students Hostel,
Mehar Road, Madurai-625 007,
Phone: 0452 - 2583633 E-mail: wtrindia@gmail.com

TEST REPORT Doc.No: DWTL/FORM/7/801

Test Report No: 2023/MD/1880 Report Date: 02.06.2023

Invoice Details: S01/DL29.05.2023/Amt.Rs.5304

S.No	Parameters	Test Method	Unit	Sample Result (1)	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	Appearance	Physical observation	-	Clear	-	-
2	Colour	APHA 21st Edition 2017-4500 H-B	Hazen	Colourless	Acceptable	Acceptable
3	Turbidity	IS 3025 Part 2: 1983	-	None	-	-
4	Turbidity	APHA 21st Edition 2017 - 2130 B	NTU	0	1	5
5	Total Dissolved Solids	APHA 21st Edition 2017 - 2540 C	mg/L	54	500	2000
6	Conductivity	APHA 21st Edition 2017 - 2510 D	µS/cm	102	-	-
7	p-Alkalinity	IS 3025-Part 2: 1983	mg/L	0	-	-
8	Calcium	APHA 21st Edition 2017 - 3500 Ca B	mg/L	7.5	75	200
9	Magnesium	APHA 21st Edition 2017 - 3500 Mg B	mg/L	0.4	30	100
10	Sodium	APHA 21st Edition 2017 - 3500 Na B	mg/L	1	30	100
11	Potassium	APHA 21st Edition 2017 - 3500 K B	mg/L	-	-	-
12	Iron	APHA 21st Edition 2017 - 3500 Fe B	mg/L	0	0.3	1
13	Manganese	APHA 21st Edition 2017 - 3500 Mn B	mg/L	0	0.1	0.3
14	Arsenic	APHA 17th Edition 1989 - 4500 As D	mg/L	0	0.1	0.3
15	Nitrate as NO ₃	APHA 21st Edition 2017 - 4500 N D	mg/L	0	-	-
16	Total Phosphate as PO ₄	APHA 21st Edition 2017 - 4500 P-D	mg/L	0	-	-
17	Urea	APHA 21st Edition 2017 - 4500 U-D	mg/L	0.6	-	-
18	Residual Chlorine	IS - APHA	mg/L	0	0.2	0.5

Report Continues.....

GPS Map Cam

Sivaganga, Tamil Nadu, India
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DISTRICT WATER TESTING LABORATORY
Ganesh Nagar, Near Law College Students Hostel,
Mehar Road, Madurai-625 007,
Phone: 0452 - 2583633 E-mail: wtrindia@gmail.com

TEST REPORT Doc.No: DWTL/FORM/7/801

Test Report No: P/C-2022/MD/1748 Report Date: 14.03.2023

Invoice Details: 455/DL13.05.2023/Amt.Rs.1652

Client Name & Address: KLN College Of Engineering, Fortapalayam - 630 612

Sample Name: Water

Sample Description: RO Water

Sample Submitted by: Customer - Mr. M.K. Baskar

Location & Date: Sample (1), Above Addressed Location & 13.03.2023

Quantity of sample Received: 2 Liter

Sample Container: Plastic - Good condition

Sample Condition on Receipt: Good

Sample Received On: 13/03/2023

Test Commenced on: 13/03/2023

Test Completed on: 14/03/2023

Environmental Condition: 24.8°C (Temp)

The test result of sample received as follows

Sl. No.	BACTERIOLOGICAL EXAMINATION:	Sample No. 2022/MD/1749 Sample Result (2)	IS 10500:2012 Max. Limit
1	Total coliform, CFU/100ml	0	Nil/100 ml

End of the report.....

Result Sample (2): The given RO water sample is physically, chemically potable and bacteriologically not contaminated.

Authorized Signatory: B. Karthikeyan, D.L., M.Tech Assistant Water Engineer

GPS Map

Sivaganga, Tamil Nadu, India
R5P7+63W, Sivaganga, Tamil Nadu 630611, India
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DISTRICT WATER TESTING LABORATORY
Ganesh Nagar, Near Law College Students Hostel,
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Phone: 0452 - 2583633 E-mail: wtrindia@gmail.com

TEST REPORT Doc.No: DWTL/FORM/7/801

Test Report No: P/C-2022/MD/9586 Report Date: 23.12.2022

Invoice Details: 402/DL19.12.2022/Amt.Rs.3304

URL No: TC1030822000009586

S.No	Parameters	Test Method	Unit	Sample Result (2)	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	Appearance	Physical observation	-	Clear	-	-
2	Colour	APHA 21st Edition 2017-4500 H-B	Hazen	Colourless	Acceptable	Acceptable
3	Turbidity	IS 3025 Part 2: 1983	-	None	-	-
4	Turbidity	APHA 21st Edition 2017 - 2130 B	NTU	0	1	5
5	Total Dissolved Solids	APHA 21st Edition 2017 - 2540 C	mg/L	28	500	2000
6	Conductivity	APHA 21st Edition 2017 - 2510 D	µS/cm	56	-	-
7	p-Alkalinity	IS 3025-Part 2: 1983	mg/L	0	-	-
8	Calcium	APHA 21st Edition 2017 - 3500 Ca B	mg/L	1	75	200
9	Magnesium	APHA 21st Edition 2017 - 3500 Mg B	mg/L	0.4	30	100
10	Sodium	APHA 21st Edition 2017 - 3500 Na B	mg/L	-	-	-
11	Potassium	APHA 21st Edition 2017 - 3500 K B	mg/L	-	-	-
12	Iron	APHA 21st Edition 2017 - 3500 Fe B	mg/L	0	0.3	1
13	Manganese	APHA 21st Edition 2017 - 3500 Mn B	mg/L	0	0.1	0.3
14	Arsenic	APHA 17th Edition 1989 - 4500 As D	mg/L	0	0.1	0.3
15	Nitrate as NO ₃	APHA 21st Edition 2017 - 4500 N D	mg/L	0	-	-
16	Total Phosphate as PO ₄	APHA 21st Edition 2017 - 4500 P-D	mg/L	0	-	-
17	Urea	APHA 21st Edition 2017 - 4500 U-D	mg/L	0.6	-	-
18	Residual Chlorine	IS - APHA	mg/L	0	0.2	0.5

Report Continues.....

GPS Map Cam

Sivaganga, Tamil Nadu, India
R5P7+63W, Sivaganga, Tamil Nadu 630611, India
Lat 9.835583°
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DISTRICT WATER TESTING LABORATORY
Ganesh Nagar, Near Law College Students Hostel,
Mehar Road, Madurai-625 007,
Phone: 0452 - 2583633 E-mail: wtrindia@gmail.com

TEST REPORT Doc.No: DWTL/FORM/7/801

Test Report No: P/C-2022/MD/1584 Report Date: 14.12.2022

Invoice Details: 402/DL19.12.2022/Amt.Rs.3304

URL No: TC1030822000009584

S.No	Parameters	Test Method	Unit	Sample Result (1)	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	Appearance	Physical observation	-	Clear	-	-
2	Colour	APHA 21st Edition 2017-4500 H-B	Hazen	Colourless	Acceptable	Acceptable
3	Turbidity	IS 3025 Part 2: 1983	-	None	-	-
4	Turbidity	APHA 21st Edition 2017 - 2130 B	NTU	0	1	5
5	Total Dissolved Solids	APHA 21st Edition 2017 - 2540 C	mg/L	27	500	2000
6	Conductivity	APHA 21st Edition 2017 - 2510 D	µS/cm	63	-	-
7	p-Alkalinity	IS 3025-Part 2: 1983	mg/L	0	-	-
8	Calcium	APHA 21st Edition 2017 - 3500 Ca B	mg/L	1	75	200
9	Magnesium	APHA 21st Edition 2017 - 3500 Mg B	mg/L	0.4	30	100
10	Sodium	APHA 21st Edition 2017 - 3500 Na B	mg/L	-	-	-
11	Potassium	APHA 21st Edition 2017 - 3500 K B	mg/L	-	-	-
12	Iron	APHA 21st Edition 2017 - 3500 Fe B	mg/L	0	0.3	1
13	Manganese	APHA 21st Edition 2017 - 3500 Mn B	mg/L	0	0.1	0.3
14	Arsenic	APHA 17th Edition 1989 - 4500 As D	mg/L	0	0.1	0.3
15	Nitrate as NO ₃	APHA 21st Edition 2017 - 4500 N D	mg/L	0	-	-
16	Total Phosphate as PO ₄	APHA 21st Edition 2017 - 4500 P-D	mg/L	0	-	-
17	Urea	APHA 21st Edition 2017 - 4500 U-D	mg/L	0.6	-	-
18	Residual Chlorine	IS / APHA	mg/L	0	0.2	0.5

Report Continues.....

GPS Map Cam

Madurai, Tamil Nadu, India
Unnamed Road, Tamil Nadu 625022, India
Lat 9.822045°
Long 78.16054°
23/11/23 03:12 PM GMT +05:30

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Mehar Road, Madurai-625 007.
 Phone: 0452 - 2583633 E-mail: wtmdnb@gmail.com

TEST REPORT Doc.No: DWTL/FORM/7/301

Test Report No: P/C/2022/MDU/748 Report Date: 14.03.2023
 Invoice Details: 459/DL/13.03.2023/Am.Rs.1652
 U/R No: TC1070422000007487

Client Name & Address: KLN College Of Engineering,
 Pottapalayam - 630 612.
 Contact No / Email ID: /
 Sample Name: Water
 Sample Description: RO Water
 Sample Submitted by: Customer - Mr. M.K.Basavar
 Location & Date: Sample 11, Above Addressed Location & 13.03.2023
 Quantity of sample Received: 2 Litre
 Sample Container: Plastic - Good condition
 Sample Condition on Receipt: Good
 Sample Received On: 13/03/2023
 Test Commenced on: 13/03/2023
 Test Completed on: 14/03/2023
 Environmental Condition: 25.8°C (Temp)

S.No	Parameters	Test Method	Unit	Sample Result (2)	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	pH	IS 3025 Part 11-1981	-	5.75	6.5-8.5	6.5-8.5
2	Total Hardness as CaCO ₃	IS 3025 Part 2 - 2009	mg/L	40	200	500
3	Total Alkalinity	IS 3025 Part 21-1986	mg/L	18	200	500
4	Chloride as Cl ⁻	IS 3025 Part 11-1981	mg/L	127	250	1000
5	Sulphate as SO ₄	IS 3025 Part 24-1996	mg/L	15	200	400
6	Nitrate as NO ₃	APHA 2104 Edition 2017 - 4500-NO ₃ B	mg/L	2	45	45
7	Fluoride as F ⁻	APHA 2104 Edition 2017 - 4500-F B	mg/L	Less than 0.2	1.0	1.5

Authorized Signatory: B. Karthikeyan, Assistant Water Analyst

GPS Map

Sivaganga, Tamil Nadu, India
 R5P7+63W, Sivaganga, Tamil Nadu 630611, India
 Lat 9.835683°
 Long 78.162711°
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TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Mehar Road, Madurai-625 007.
 Phone: 0452 - 2583633 E-mail: wtmdnb@gmail.com

TEST REPORT Doc.No: DWTL/FORM/7/301

Test Report No: 2022/MDU/31474 Report Date: 11.10.2022
 Invoice Details: 769/DL/10.10.2022/Am.-Rs.3,104
 U/R No: TC107042200000473F

Client Name & Address: The Principal,
 KLN College of Engineering,
 Pottapalayam - 630 612.
 Contact No / Email ID: /
 Sample Name: Water
 Sample Description: RO Water
 Sample Submitted by: Customer - M.M.K.Basavar
 Location & Date: Sample No.8, KLNCE & 10.10.2022
 Quantity of sample Received: 250 ml
 Sample Container: Sterilized Container
 Sample Condition on Receipt: Good
 Sample Received On: 10.10.2022
 Test Commenced on: 10.10.2022
 Test Completed on: 11.10.2022
 Environmental Condition: 25.8°C

The test result of sample received as follows

Sl. No	BACTERIOLOGICAL EXAMINATION	Sample No. 2022/MDU/0474 Sample Result	IS 10500-2012 Max Limit
1	Fecal coliforms (CFU)/100ml	0	Nil/100 ml

Result: The given RO water sample is physically and chemically potable and bacteriologically not contaminated.

Authorized Signatory: B. Karthikeyan, B.E., M.Tech, Assistant Water Analyst

GPS Map

Madurai, Tamil Nadu, India
 Unnamed Road, Tamil Nadu 625022, India
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DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Mehar Road, Madurai-625 007.
 Phone: 0452 - 2583633 E-mail: wtmdnb@gmail.com

TEST REPORT Doc.No: DWTL/FORM/7/301

Test Report No: P/C/2022/MDU/586 Report Date: 23.12.2022
 Invoice Details: 402/DL/19.12.2022/Am.Rs.3304
 U/R No: TC1030822000005867

Client Name & Address: The Principal,
 KLN College of Engineering,
 Pottapalayam.
 Contact No / Email ID: /
 Sample Name: Water
 Sample Description: RO Water
 Sample Submitted by: Customer
 Location & Date: Sample 9, Above Addressed Location & 19.12.2022
 Quantity of sample Received: 2 Litre
 Sample Container: Plastic - Good condition
 Sample Condition on Receipt: Good
 Sample Received On: 19/12/2022
 Test Commenced on: 19/12/2022
 Test Completed on: 20/12/2022
 Environmental Condition: 25.8°C (Temp)

S.No	Parameters	Test Method	Unit	Sample Result (2)	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	pH	IS 3025 Part 11-1981	-	7.6	6.5-8.5	6.5-8.5
2	Total Hardness as CaCO ₃	IS 3025 Part 21-2009	mg/L	Less than 5	200	500
3	Total Alkalinity	IS 3025 Part 21-1986	mg/L	12	200	500
4	Chloride as Cl ⁻	IS 3025 Part 11-1981	mg/L	10	250	1000
5	Sulphate as SO ₄	IS 3025 Part 24-1996	mg/L	Less than 2	200	400
6	Nitrate as NO ₃	APHA 2104 Edition 2017 - 4500-NO ₃ B	mg/L	Less than 2	45	45
7	Fluoride as F ⁻	APHA 2104 Edition 2017 - 4500-F B	mg/L	Less than 0.2	1.0	1.5

Authorized Signatory: B. Karthikeyan, Assistant Water Analyst

GPS Map

Sivaganga, Tamil Nadu, India
 R5P7+63W, Sivaganga, Tamil Nadu 630611, India
 Lat 9.835683°
 Long 78.162711°
 23/11/23 03:14 PM GMT +05:30

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Mehar Road, Madurai-625 007.
 Phone: 0452 - 2583633 E-mail: wtmdnb@gmail.com

TEST REPORT Doc.No: DWTL/FORM/7/301

Test Report No: P/C/2022/MDU/538 Report Date: 27.07.2022
 Invoice Details: 328/DL/25.07.2022/Am.Rs.3304
 U/R No: TC103082200000538F

S.No	Parameters	Test Method	Unit	Sample (6) Result	Specification as per IS 10500 : 2012
1	Appearance	Visual observation	-	Clear	-
2	Color	APHA 2104 Edition 2017 - 4500-110B	Hzner	Colorless	Appearance
3	Turbidity	IS 3025 Part 5 - 1982	NTU	0	5
4	Total Dissolved Solids	APHA 2104 Edition 2017 - 2540 C	mg/L	20	1000
5	Conductivity	APHA 2104 Edition 2017 - 2510 A	µS/cm	48	-
6	pH	IS 3025 Part 11-1981	mg/L	6	-
7	Calcium	APHA 2104 Edition 2017 - 3500 Ca B	mg/L	0.5	75
8	Magnesium	APHA 2104 Edition 2017 - 3500 Mg B	mg/L	0.2	10
9	Sulfate	APHA 2104 Edition 2017 - 3500 S B	mg/L	-	-
10	Nitrate	APHA 2104 Edition 2017 - 4500 N B	mg/L	-	-
11	Iron	APHA 2104 Edition 2017 - 3500 Fe E	mg/L	0	0.3
12	Manganese	APHA 2104 Edition 2017 - 3500 Mn E	mg/L	0	0.1
13	Ammonia	APHA 2104 Edition 2017 - 4500 NH ₃ C	mg/L	0	0.5
14	Nitrite as NO ₂	APHA 2104 Edition 2017 - 4500 NO ₂ B	mg/L	0	-
15	Total Phosphate as P _T	APHA 2104 Edition 2017 - 4500 P _T D	mg/L	0	-
16	Total Phosphate as P _D	APHA 2104 Edition 2017 - 4500 P _D D	mg/L	0	-
17	Trityl	APHA 2104 Edition 2017 - 4500 O ₃ B	mg/L	0.6	-
18	Biochemical Oxygen Demand (BOD)	5/APHA	mg/L	0	0.2

Authorized Signatory: B. Karthikeyan, B.E., M.Tech, Assistant Water Analyst

GPS Map

Madurai, Tamil Nadu, India
 Unnamed Road, Tamil Nadu 625022, India
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TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Madurai Road, Madurai-625 007.
 Phone: 0452 - 2583633 E-mail: wtindia@gmail.com

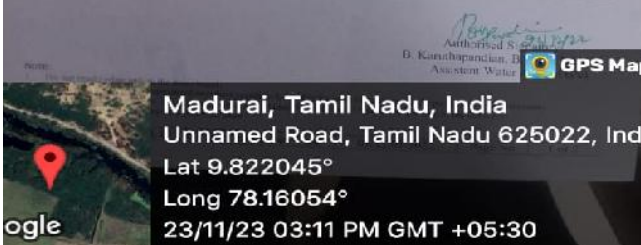
TEST REPORT Doc.No: DWTL/FORM/7/801

Test Report No: P/C/2022/MDU/584 Report Date: 23.12.2022
 Invoice Details: 402/Dt.19.12.2022/Am.Rs.3304
 URL No: TC103082200000584F

Client Name & Address: The Principal, KLN College of Engineering, Pattupalayam
 Contact No / Email-ID: [Redacted]
 Sample Name: Water
 Sample Description: RO Water
 Sample Submitted by: Customer
 Location & Date: Above Addressed Location & 19.12.2022
 Quantity of sample Received: 2 Litre
 Sample Container: Plastic - Good condition
 Sample Condition on Receipt: Good
 Sample Received On: 19/12/2022
 Test Commenced on: 19/12/2022
 Test Completed on: 20/12/2022
 Environmental Condition: 25.8°C (Temp)

S.No	Parameters	Test Method	Unit	Sample Result (1)	Specification as per IS 10500 : 2012
				Acceptable Limit	Not desirable Limit
1	pH	IS 3025 Part 11-1983	-	7.30	6.5-8.5
2	Total Hardness as CaCO ₃	IS 3025 Part 21-2006	mg/L	Less than 7	200
3	Total Alkalinity	IS 3025 Part 21-1986	mg/L	18	200
4	Chloride as Cl ⁻	IS 3025 Part 21-1986	mg/L	10	250
5	Sulphate as SO ₄	IS 3025 Part 21-1986	mg/L	Less than 5	200
6	Nitrate as NO ₃	APHA 23rd Edition 2017 - 4500-NO ₃ -B	mg/L	Less than 2	45
7	Fluoride as F ⁻	APHA 23rd Edition 2017 - 4500-F-1	mg/L	Less than 0.2	1.0

Authorized Signatory: U. Karulapandian, Assistant Water



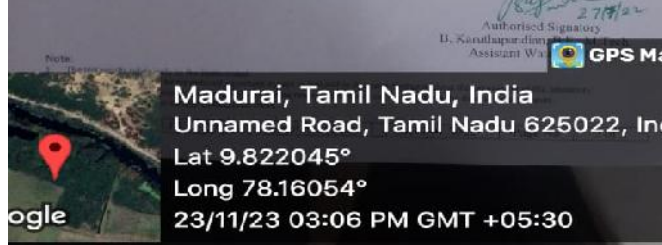
TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Madurai Road, Madurai-625 007.
 Phone: 0452 - 2583633 E-mail: wtindia@gmail.com

TEST REPORT Doc.No: DWTL/FORM/7/801

Test Report No: P/C/2022/MDU/336 Report Date: 27.07.2022
 Invoice Details: 528/Dt.23.07.2022/Am.Rs.3304/
 URL No: TC103082200000336F

S.No	Parameters	Test Method	Unit	Sample(S) Result	Specification as per IS 10500 : 2012
				Acceptable Limit	Formalisable Limit
1	Appearance	Visual observation	-	Clear	-
2	Color	APHA 21st Edition 2017 1500-11-B	Platinum Cobalt	0	Agreeable
3	Odor	IS 3025 Part 5, 1982	-	None	Agreeable
4	Turbidity	APHA 21st Edition 2017 - 2100-B	NTU	0	5
5	Total Dissolved Solids	APHA 21st Edition 2017 - 2540-C	mg/L	23	500
6	Conductivity	APHA 21st Edition 2017 - 2510-B	µS/cm	45	-
7	Total Hardness	IS 3025-Part 21-1986	mg/L	0	-
8	Calcium	APHA 21st Edition 2017 - 3100-Ca-D	mg/L	0.5	200
9	Magnesium	APHA 21st Edition 2017 - 3100-Mg-D	mg/L	0.2	100
10	Sodium	APHA 21st Edition 2017 - 3100-Na-B	mg/L	-	-
11	Iron	APHA 21st Edition 2017 - 3500-Fe-B	mg/L	0	-
12	Zinc	APHA 21st Edition 2017 - 3500-Zn-B	mg/L	0	0.3
13	Manganese	APHA 21st Edition 2017 - 3500-Mn-B	mg/L	0	0.1
14	Ammonia	APHA 21st Edition 2017 - 4500-NH ₃ -C	mg/L	0	0.5
15	Nitrate as NO ₃	APHA 21st Edition 2017 - 4500-NO ₃ -B	mg/L	0	-
16	Total Phosphate as PO ₄	APHA 21st Edition 2017 - 4500-P-D	mg/L	0	-
17	Phate	APHA 21st Edition 2017 - 4500-P-A	mg/L	0.6	-
18	Residual Chlorine	IS: APHA	mg/L	0	0.5

Authorized Signatory: U. Karulapandian, Assistant Water



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Madurai Road, Madurai-625 007.
 Phone: 0452 - 2583633 E-mail: wtindia@gmail.com

TEST REPORT Doc.No: DWTL/FORM/7/801

Test Report No: P/C/2022/MDU/586 Report Date: 23.12.2022
 Invoice Details: 402/Dt.19.12.2022/Am.Rs.3304
 URL No: TC103082200000586F

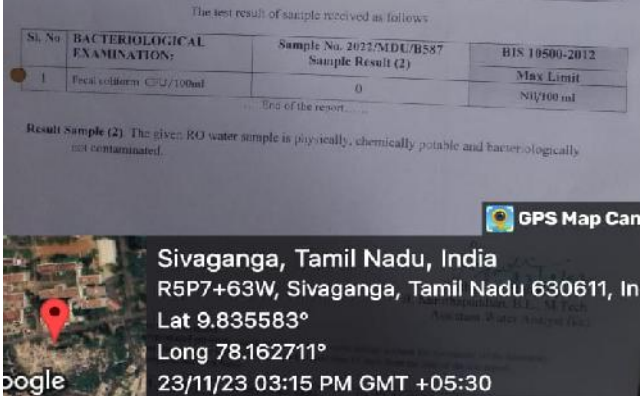
Client Name & Address: The Principal, KLN College of Engineering, Pattupalayam
 Contact No / Email-ID: [Redacted]
 Sample Name: Water
 Sample Description: RO Water
 Sample Submitted by: Customer
 Location & Date: Above Addressed Location & 19.12.2022
 Quantity of sample Received: 2 Litre
 Sample Container: Plastic - Good condition
 Sample Condition on Receipt: Good
 Sample Received On: 19/12/2022
 Test Commenced on: 19/12/2022
 Test Completed on: 20/12/2022
 Environmental Condition: 25.8°C (Temp)

The test result of sample received as follows:

Sl. No	BACTERIOLOGICAL EXAMINATION:	Sample No. 2022/MDU/B587 Sample Result (2)	BIS 10500-2012
1	Fecal coliform (CFU/100ml)	0	Max Limit Nil/100 ml

Result Sample (2): The given RO water sample is physically, chemically potable and bacteriologically not contaminated.

Authorized Signatory: U. Karulapandian, Assistant Water



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Madurai Road, Madurai-625 007.
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TEST REPORT Doc.No: DWTL/FORM/7/801

Test Report No: P/C/2022/MDU/746 Report Date: 14.07.2023
 Invoice Details: 59/Dt.13.07.2023/Am.Rs.1652

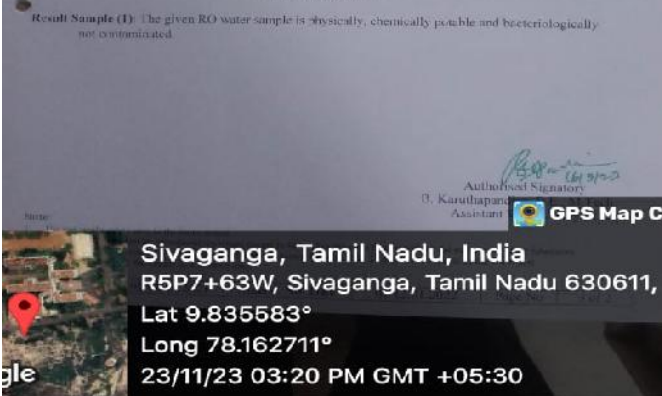
Client Name & Address: KLN College of Engineering, Pattupalayam - 630 612
 Contact No / Email-ID: [Redacted]
 Sample Name: Water
 Sample Description: RO Water
 Sample Submitted by: Customer - Mr. M.K. Boskar
 Location & Date: Above Addressed Location & 13.07.2023
 Quantity of sample Received: 2 Litre
 Sample Container: Plastic - Good condition
 Sample Condition on Receipt: Good
 Sample Received On: 13/07/2023
 Test Commenced on: 13/07/2023
 Test Completed on: 14/07/2023
 Environmental Condition: 24.8°C (Temp)

The test result of sample received as follows:

Sl. No	BACTERIOLOGICAL EXAMINATION:	Sample No. 2022/MDU/B747 Sample Result (1)	BIS 10500-2012
1	Fecal coliform (CFU/100ml)	0	Max Limit Nil/100 ml

Result Sample (1): The given RO water sample is physically, chemically potable and bacteriologically not contaminated.

Authorized Signatory: U. Karulapandian, Assistant Water



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Mular Road, Madurai-625 007,
 Phone: 0452 - 2583633 E-mail: wtndu@gmail.com

TEST REPORT Doc.No: DWTL/FORM 7 (B)

Test Report No: P/C-2022/MDU/746 Report Date: 14.01.2022
 Invoice Details: 459/Dt./3.02/22/Am/Rs.1652

S.No	Parameters	Test Method	Unit	Sample Result (1)	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	Appearance	Physical observation		Clear	-	-
2	Taste	APHA 2100 Edition 2017 - 2100 B	None	None	Acceptable	Acceptable
3	Odor	IS 3025 Part 2: 1996	-	None	-	-
4	Turbidity	APHA 2100 Edition 2017 - 2100 B	NTU	0	1	5
5	Total Dissolved Solids	APHA 2100 Edition 2017 - 2100 B	mg/L	25	500	500
6	Calcium	APHA 2100 Edition 2017 - 2100 B	mg/L	60	-	-
7	P. Alkalinity	IS 3025 Part 2: 1996	mg/L	-	-	-
8	Chlorine	APHA 2100 Edition 2017 - 2100 B	mg/L	-	-	-
9	Magnesium	APHA 2100 Edition 2017 - 2100 B	mg/L	0.4	30	100
10	Iron	APHA 2100 Edition 2017 - 2100 B	mg/L	0	0.2	-
11	Manganese	APHA 2100 Edition 2017 - 2100 B	mg/L	0	0.1	0.2
12	Ammonia	APHA 2100 Edition 2017 - 2100 B	mg/L	0	0.5	0.5
13	Nitrate (NO ₃)	APHA 2100 Edition 2017 - 2100 B	mg/L	5	-	-
14	Total Phosphorus (TP)	APHA 2100 Edition 2017 - 2100 B	mg/L	0	-	-
15	Total	APHA 2100 Edition 2017 - 2100 B	mg/L	5.6	-	-
16	Residual Chlorine	IS 3025 Part 2: 1996	mg/L	0	0.2	0.5

Author: B. K. Nandha Kumar, Assistant

GPS Map Cam

Sivaganga, Tamil Nadu, India
 R5P7+63W, Sivaganga, Tamil Nadu 630611, India
 Lat 9.835583°
 Long 78.162711°
 23/11/23 03:18 PM GMT +05:30

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Mular Road, Madurai-625 007,
 Phone: 0452 - 2583633 E-mail: wtndu@gmail.com

TEST REPORT Doc.No: DWTL/FORM 7(B)

Test Report No: P/C-2022/MDU/584 Report Date: 23.12.2022
 Invoice Details: 402/Dt./19.12.2022/Am/Rs.3304

Client Name & Address: The Principal, KLN College of Engineering, Pottapalayam.
 Contact No / Email ID: [Redacted]

Sample Name: Water
 Sample Description: RO Water
 Sample Submitted by: Customer
 Location & Date: Above Addressed Location & 19.12.2022
 Quantity of sample Received: 2 Litre
 Sample Container: Plastic - Good condition
 Sample Condition on Receipt: Good
 Sample Received On: 19/12/2022
 Test Commenced on: 19/12/2022
 Test Completed on: 20/12/2022
 Environmental Condition: 25.8°C (Temp)

The test result of sample received as follows

Sl. No	BACTERIOLOGICAL EXAMINATION:	Sample No. 2022/MDU/584 Sample Result (1)	BIS 10500-2012
	Fecal coliforms CFU/100ml	0	Max Limit Nil/100 ml

Result Sample (1): The given RO water sample is physically, chemically potable and bacteriologically not examined.

GPS Map Cam

Madurai, Tamil Nadu, India
 Unnamed Road, Tamil Nadu 625022, India
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DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Mular Road, Madurai-625 007,
 Phone: 0452 - 2583633 E-mail: wtndu@gmail.com

TEST REPORT Doc.No: DWTL/FORM 7 (B)

Test Report No: P/C-2022/MDU/473 Report Date: 11.10.2022
 Invoice Details: 369/Dt./10.10.2022/Am/Rs.3304

Client Name & Address: The Principal, KLN College of Engineering, Pottapalayam - 630 612.
 Contact No / Email ID: [Redacted]

Sample Name: Water
 Sample Description: RO Water
 Sample Submitted by: Customer - Mr. M.K. Baskar
 Location & Date: Sample No 8, KLNCE & 10.10.2022
 Quantity of sample Received: 2 Litre
 Sample Container: Plastic - Good condition
 Sample Condition on Receipt: Good
 Sample Received On: 10/10/2022
 Test Commenced on: 10/10/2022
 Test Completed on: 11/10/2022
 Environmental Condition: 25.8°C

S.No	Parameters	Test Method	Unit	Sample Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	pH	IS 3025 Part 1: 1993	-	8.10	6.5-8.5	6.5-8.5
2	Total Hardness as CaCO ₃	IS 3025 Part 2: 1996	mg/L	12	200	500
3	Total Alkalinity	IS 3025 Part 2: 1996	mg/L	20	200	500
4	Chloride (Cl ⁻)	IS 3025 Part 2: 1996	mg/L	25	750	1000
5	Sulfate as SO ₄	IS 3025 Part 2: 1996	mg/L	Less than 5	200	400
6	Nitrate as NO ₃	APHA 2100 Edition 2017 - 2100 B	mg/L	Less than 2	45	45
7	Chloride as Cl ⁻	APHA 2100 Edition 2017 - 2100 B	mg/L	Less than 0.2	0.1	1.5

GPS Map Cam

Madurai, Tamil Nadu, India
 Unnamed Road, Tamil Nadu 625022, India
 Lat 9.822045°
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TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
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 Mular Road, Madurai-625 007,
 Phone: 0452 - 2583633 E-mail: wtndu@gmail.com

TEST REPORT Doc.No: DWTL/FORM 7 (B)

Test Report No: P/C-2022/MDU/336 Report Date: 27.07.2022
 Invoice Details: 378/Dt./25.07.2022/Am/Rs.3304

Client Name & Address: The Principal, KLN College of Engineering, Pottapalayam, Sivaganga Dist - 630612.
 Contact No / Email ID: [Redacted]

Sample Name: Water Sample (5)
 Sample Description: Water Sample Bacterio Testing (RO water)
 Sample Submitted by: Customer - Mr. M.K. Baskar
 Location & Date: KLN College of Engineering & 25.07.2022
 Quantity of sample Received: 2 Litre
 Sample Container: Plastic - Good condition
 Sample Condition on Receipt: Good
 Sample Received On: 25/07/2022
 Test Commenced on: 25/07/2022
 Test Completed on: 27/07/2022
 Environmental Condition: 24.8°C

S.No	Parameters	Test Method	Unit	Sample Result (5)	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	pH	IS 3025 Part 1: 1993	-	7.11	6.5-8.5	6.5-8.5
2	Total Hardness as CaCO ₃	IS 3025 Part 2: 1996	mg/L	2	200	500
3	Total Alkalinity	IS 3025 Part 2: 1996	mg/L	10	200	500
4	Chloride (Cl ⁻)	IS 3025 Part 2: 1996	mg/L	10	250	1000
5	Sulfate as SO ₄	IS 3025 Part 2: 1996	mg/L	Less than 5	200	400
6	Nitrate as NO ₃	APHA 2100 Edition 2017 - 2100 B	mg/L	Less than 2	45	45
7	Chloride as Cl ⁻	APHA 2100 Edition 2017 - 2100 B	mg/L	Less than 0.2	0.1	1.5

GPS Map Cam

Madurai, Tamil Nadu, India
 Unnamed Road, Tamil Nadu 625022, India
 Lat 9.822045°
 Long 78.16054°
 23/11/23 03:06 PM GMT +05:30

TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
 Ganesh Nagar, Near Law College Students Hostel,
 Melar Road, Madurai-625 007,
 Phone: 0452-2583633 E-mail: wtindia@gmail.com

TEST REPORT Doc No: DWTL/FORM7/801
 Test Report No: PC/2022/MDU/746 Report Date: 14.03.2023
 Invoice Details: 459/Dt.12.03.2023/Am.Rs.1532
 I.R.I. No: TC1030822000007466

Client Name & Address: KLN College Of Engineering,
 Pottapalayam - 620 612
 Contact No / Email ID: -
 Sample Name: Water
 Sample Description: RO Water
 Sample Submitted by: Customer - Mr. M.K.Baskar
 Location & Date: Sample 10, Above Addressed Location & 13.03.2023
 Quantity of Sample Received: 2 Litre
 Sample Container: Plastic - Good condition
 Sample Condition on Receipt: Good
 Sample Received On: 13/03/2023
 Test Commenced on: 13/03/2023
 Test Completed on: 14/03/2023
 Environmental Condition: 25.8°C (T_{amp})

S.No	Parameters	Test Method	Unit	Sample Result (I)	Specification as per IS: 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	pH	IS 3025 Part 11-1983	-	8.82	6.5-8.5	6.5-8.5
2	Total Hardness as CaCO ₃	IS 3025 Part 21-2009	mg/L	Less than 5	200	600
3	Total Alkalinity	IS 3025 Part 21-2009	mg/L	10	200	600
4	Chloride as Cl ⁻	IS 3025 Part 31-1988	mg/L	10	270	1000
5	Sulphate as SO ₄ ⁻²	IS 3025 Part 31-1988	mg/L	Less than 2	500	800
6	Sodium as Na ⁺	APHA 23rd Edition 2017 - 4500 NaCl B	mg/L	Less than 2	45	45
7	Fluoride as F ⁻	APHA 23rd Edition 2017 - 4500 F-D	mg/L	Less than 0.2	1.0	1.5

Authorized Signatory: B. Karuthapandian, Assistant Water Analyst

Sivaganga, Tamil Nadu, India
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TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
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TEST REPORT Doc No: DWTL/FORM7/801
 Test Report No: PC/2022/MDU/748 Report Date: 14.03.2023
 Invoice Details: 459/Dt.12.03.2023/Am.Rs.1632

S.No	Parameters	Test Method	Unit	Sample Result (I)	Specification as per IS: 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	Appearance	Physical observation	-	Clear	-	-
2	Colour	APHA 23rd Edition 2017 - 4500 Pt B	Haec	Colourless	Agreeable	Agreeable
3	Turbidity	IS 3025 Part 1 - 1983	-	None	-	-
4	Total Solids	APHA 23rd Edition 2017 - 2300 B	NTU	0	1	5
5	Total Dissolved Solids	APHA 23rd Edition 2017 - 2540 C	mg/L	230	500	2000
6	Conductivity	APHA 23rd Edition 2017 - 2510 A	µS/cm	461	-	-
7	Free Alkalinity	IS 3025 Part 21-2009	mg/L	-	-	-
8	Calcium	APHA 23rd Edition 2017 - 4500 Ca B	mg/L	10	75	300
9	Magnesium	APHA 23rd Edition 2017 - 4500 Mg B	mg/L	4	76	300
10	Total Iron	APHA 23rd Edition 2017 - 4500 Fe B	mg/L	0	0.3	1
11	Manganese	APHA 23rd Edition 2017 - 4500 Mn B	mg/L	0	0.1	0.3
12	Ammonia	APHA 17th Edition 1989 - 4500 NH ₃ C	mg/L	0	0.5	0.5
13	Nitrate as NO ₃ ⁻	APHA 23rd Edition 2017 - 4500 NO ₃ B	mg/L	0	-	-
14	Total Phosphate as PO ₄ ⁻³	APHA 23rd Edition 2017 - 4500 P-3	mg/L	0	-	-
15	Zinc	APHA 23rd Edition 2017 - 4500 Zn B	mg/L	0	-	-
16	Residual Chlorine	IS 3025 Part 31-1988	mg/L	0	0.2	0.5

Authorized Signatory: B. Karuthapandian, Assistant Water Analyst

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TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
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TEST REPORT Doc No: DWTL/FORM7/801
 Test Report No: PC/2022/MDU/738 Report Date: 27.07.2022
 Invoice Details: 328/Dt.25.07.2022/Am.Rs.3294
 I.R.I. No: TC1030822000003384

Client Name & Address: The Principal,
 KLN College of Engineering,
 Pottapalayam,
 Sivaganga Dist - 630612
 Contact No / Email ID: -
 Sample Name: Water Sample (G)
 Sample Description: Water Sample (Bacteria Testing (RO water))
 Sample Submitted by: Customer - Mr. M.K.Baskar
 Location & Date: KLN College of Engineering & 25.07.2022
 Quantity of Sample Received: 7 Litre
 Sample Container: Plastic - Good condition
 Sample Condition on Receipt: Good
 Sample Received On: 25/07/2022
 Test Commenced on: 25/07/2022
 Test Completed on: 27/07/2022
 Environmental Condition: 24.8°C

S.No	Parameters	Test Method	Unit	Sample (G) Result	Specification as per IS: 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	pH	IS 3025 Part 11-1983	-	7.29	6.5-8.5	6.5-8.5
2	Total Hardness as CaCO ₃	IS 3025 Part 21-2009	mg/L	2	200	600
3	Total Alkalinity	IS 3025 Part 21-2009	mg/L	10	200	600
4	Chloride as Cl ⁻	IS 3025 Part 31-1988	mg/L	10	270	1000
5	Sulphate as SO ₄ ⁻²	IS 3025 Part 31-1988	mg/L	Less than 5	500	800
6	Sodium as Na ⁺	APHA 23rd Edition 2017 - 4500 NaCl B	mg/L	Less than 2	45	45
7	Fluoride as F ⁻	APHA 23rd Edition 2017 - 4500 F-D	mg/L	Less than 0.2	1.0	1.5

Authorized Signatory: B. Karuthapandian, R.E., M.Tech, Assistant Water Analyst

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TEST REPORT Doc No: DWTL/FORM7/801
 Test Report No: PC/2022/MDU/473 Report Date: 11.10.2022
 Invoice Details: 369/Dt.10.10.2022/Am.Rs.3204
 I.R.I. No: TC1030822000006731

S.No	Parameters	Test Method	Unit	Sample Result	Specification as per IS: 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	Appearance	Physical observation	-	Clear	-	-
2	Colour	APHA 23rd Edition 2017 - 4500 Pt B	Haec	Colourless	Agreeable	Agreeable
3	Turbidity	IS 3025 Part 1 - 1983	-	None	-	-
4	Total Solids	APHA 23rd Edition 2017 - 2300 B	NTU	0	1	5
5	Total Dissolved Solids	APHA 23rd Edition 2017 - 2540 C	mg/L	48	500	2000
6	Conductivity	APHA 23rd Edition 2017 - 2510 B	µS/cm	96	-	-
7	Free Alkalinity	IS 3025 Part 21-2009	mg/L	0	-	-
8	Calcium	APHA 23rd Edition 2017 - 4500 Ca B	mg/L	2	75	300
9	Magnesium	APHA 23rd Edition 2017 - 4500 Mg B	mg/L	1	76	300
10	Total Iron	APHA 23rd Edition 2017 - 4500 Fe B	mg/L	-	0.3	1
11	Manganese	APHA 23rd Edition 2017 - 4500 Mn B	mg/L	-	0.1	0.3
12	Ammonia	APHA 17th Edition 1989 - 4500 NH ₃ C	mg/L	0	0.5	0.5
13	Nitrate as NO ₃ ⁻	APHA 23rd Edition 2017 - 4500 NO ₃ B	mg/L	0	-	-
14	Total Phosphate as PO ₄ ⁻³	APHA 23rd Edition 2017 - 4500 P-3	mg/L	0	-	-
15	Zinc	APHA 23rd Edition 2017 - 4500 Zn B	mg/L	0	-	-
16	Residual Chlorine	IS 3025 Part 31-1988	mg/L	0	0.2	0.5

Authorized Signatory: B. Karuthapandian, R.E., M.Tech, Assistant Water Analyst

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Physical and Chemical properties of water sample collected from purifier plant is tested periodically in 'District Water Testing Laboratory'. Recent test result is shown as a snapshot.