MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS)
(Deemed to be University)
NAAC Accredited with A+ Grade, NIRF India Rankings 2025 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH,CST), MBA & MCA

SDG 6 – CLEAN WATER AND SANITATION
INSTITUTIONAL WATER MANAGEMENT, TREATMENT AND CONSERVATION FACILITIES



MITS academic campus and landscaped environment

Water supply | Wastewater treatment | Water reuse | Conservation

2026 | Institutional Sustainability Report

Institutional commitment to sustainable water management

Madanapalle Institute of Technology & Science (MITS), Deemed to be University, integrates water conservation into campus infrastructure, sanitation services, drinking-water treatment and landscape maintenance. Campus-level provisions include a sewage treatment plant (STP), reverse-osmosis (RO) drinking-water systems, rainwater-harvesting structures and water-quality monitoring.

The university applies a complementary approach: treatment of wastewater for non-potable use, supply of treated water to campus users, rainwater capture for recharge, and preventive maintenance of water-related facilities.

Water infrastructure at a glance

Campus provision	Institutional details
Sewage treatment plant	50 kL/day design capacity; operational since 02 February 2018
Treated wastewater reuse	Water directed to gardens and trees; 20–30 kL/day reported for landscape use
Reverse-osmosis systems	Six installations across academic, canteen and hostel facilities
Rainwater harvesting	Two harvesting pits; recorded capacity approximately 4 lakh litres
Water quality assurance	Source-water and STP tests (2024); RO sampling at seven points (2025)
Water conservation measures	Low-flow fixtures, maintenance of waterlines, water audit practices



Campus green areas benefit from dedicated landscape-water management.

1. Sewage treatment and non-potable water reuse

MITS operates a campus sewage treatment plant to manage wastewater and facilitate appropriate reuse. The plant is designed for 50 kilolitres per day and supports non-potable water supply for campus gardens, trees and landscaped areas. Treatment and reuse reduce the need to use fresh water for routine horticultural activities.

STP feature	Description
Design capacity	50 kLD (50,000 litres per day)
Commencement date	02 February 2018
Plant area	54.56 m²
Recorded operating schedule	10 hours per day
Treated-water use	Landscaping, gardens and trees
Landscape reuse volume	20,000–30,000 litres/day reported at the time of facility assessment

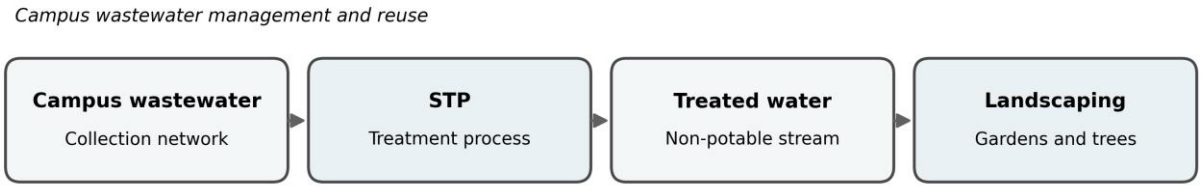


Figure 1. Functional pathway for wastewater treatment and campus landscape reuse.

The 50 kLD figure represents design capacity rather than a verified daily throughput. Actual treated volume and reuse volumes are recorded separately through plant operations and monitoring.

Operational priorities

- Routine inspection and maintenance of the STP and associated pipelines.
- Separation of treated non-potable water from drinking-water distribution.
- Periodic treated-water sampling against the applicable reuse or discharge conditions.

2. Wastewater-quality monitoring

Laboratory assessment of paired STP inlet and outlet samples in February 2024 recorded reductions in several measured water-quality parameters following treatment. Selected measurements from the same sampling event are presented below to show the observed treatment response.

Parameter	Inlet	Outlet	Change
pH	7.77	7.43	—
Turbidity (NTU)	8.0	5.2	35.0% lower
TDS (mg/L)	980.3	825.1	15.8% lower
Total hardness (mg/L)	329.6	296.6	10.0% lower
Ammonia (mg/L)	20.2	1.2	94.1% lower
Iron (mg/L)	2.1	1.2	42.9% lower
Lead (mg/L)	0.084	0.014	83.3% lower

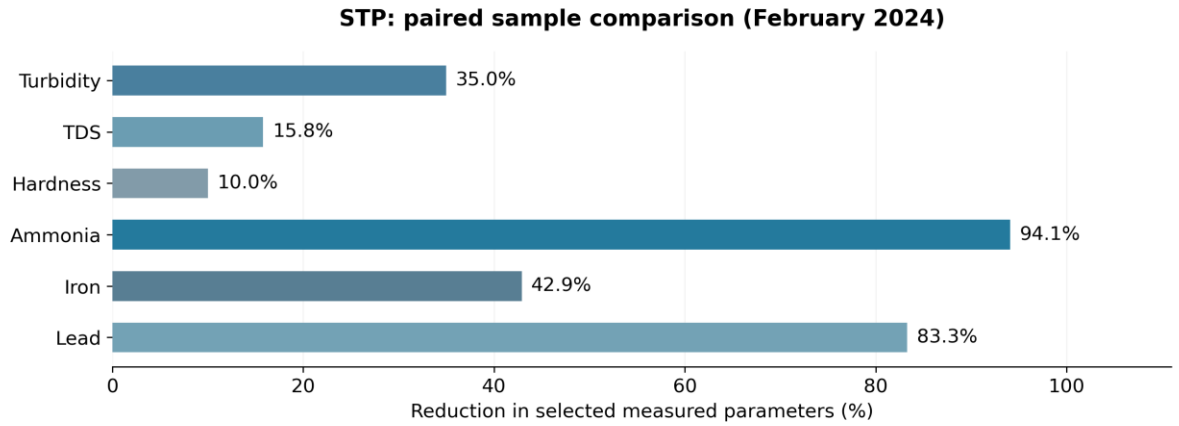


Figure 2. Reductions in selected parameters between paired STP inlet and outlet samples (2024).

The paired test confirms improvement in the listed parameters on the sampling date. It is not a standalone certification of compliance: biochemical oxygen demand, chemical oxygen demand and microbiological data were not included in these particular STP reports. Current performance should be evaluated using recent testing and operating records.

3. Reverse-osmosis drinking-water facilities

MITS provides treated drinking water through RO installations serving educational buildings, food-service areas and residential facilities. Reverse osmosis is used as part of the campus water purification arrangement, with equipment servicing forming part of the site-maintenance programme.

RO location	No.	Rated capacity	Daily use listed
Western Building	1	500 L/h	3,000 L/day
Southern Building	1	1,000 L/h	5,000 L/day
Eastern Building	1	1,000 L/h	5,000 L/day
Circular Building	1	150 L/h	2,000 L/day
Eastern Canteen	1	1,000 L/h	5,000 L/day
Hostel	1	500 L/h	3,000 L/day
Total	6	4,150 L/h	23,000 L/day

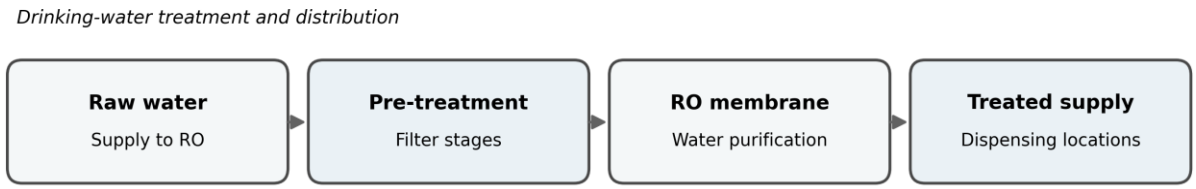


Figure 3. Simplified water purification and distribution pathway.

The capacities above refer to rated equipment flow. The listed daily volumes are facility-use figures and should not be interpreted as present-day metered supply. Preventive maintenance and regular testing remain essential to maintain water quality at dispensing points.

4. RO-water quality monitoring

On 14 October 2025, the MITS Material and Quality Testing Laboratory assessed RO-water samples collected at seven campus sampling points. The laboratory recorded pH values between 7.0 and 7.3, dissolved-solids concentrations between 21 and 31 mg/L, and hardness values between 80 and 95 mg/L.

Sampling point	pH	TDS (mg/L)	Hardness (mg/L)
SRB	7.2	21	85
LB	7.1	24	92
SB – point 1	7.0	26	88
SB – point 2	7.1	31	90
KK Block	7.3	21	95
NPN Block	7.0	25	81
Canteen	7.1	24	80

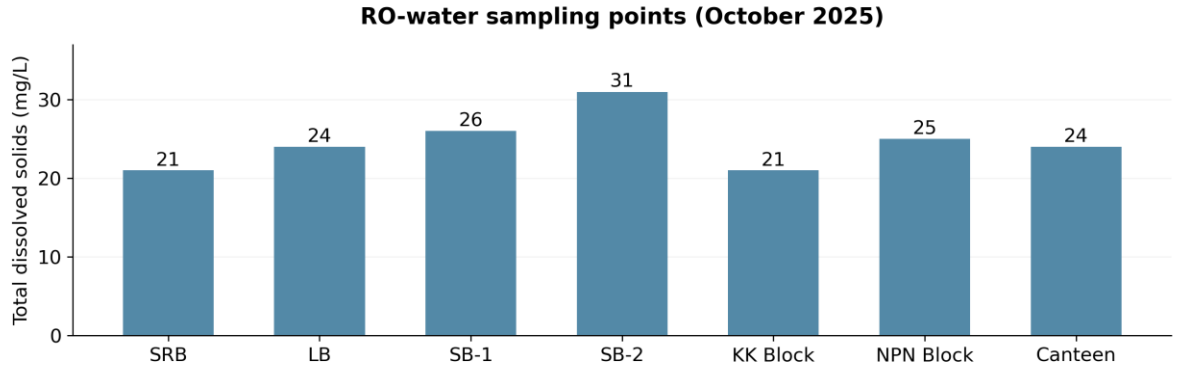


Figure 4. Total dissolved solids at seven campus RO-water sampling points (October 2025).

These results describe the parameters tested at the identified locations and date. Comprehensive drinking-water assurance also requires periodic microbiological testing and additional chemical parameters as applicable; the October 2025 test panel alone does not establish full compliance for every possible contaminant.

5. Source-water monitoring and treatment need

Monitoring of source-water quality helps the university identify the treatment and surveillance requirements of groundwater-based supplies. Two borewell samples examined in February 2024 showed different chemical characteristics, demonstrating that untreated source-water conditions may vary by sampling location.

Water-quality parameter	Borewell sample 1	Borewell sample 2
pH	7.05	7.35
Total dissolved solids	1,658.4 mg/L	684.3 mg/L
Total hardness	782.8 mg/L	285.5 mg/L
Calcium	218.4 mg/L	78.4 mg/L
Nitrate	45.4 mg/L	6.7 mg/L
Cadmium	0.009 mg/L	Below detection limit

The first sample contained elevated hardness, calcium, nitrate and cadmium relative to the limits recorded in the laboratory findings. Consequently, these samples must not be presented as evidence that untreated borewell water is universally safe for direct consumption. The campus drinking-water system incorporates treatment and continued assessment of the delivered RO water.

Water-quality assurance practices

- Maintain sample identities, dates, locations, analysis parameters and testing reports.
- Carry out routine checks at borewell sources and at RO dispensing points.
- Check STP outlet water for parameters required by the intended non-potable end use.
- Use current laboratory assessments before making any campus-wide compliance claim.

Signed laboratory records are retained by the institution as part of its quality-monitoring documentation.

6. Rainwater harvesting and groundwater conservation

MITS maintains rainwater-harvesting arrangements to intercept runoff and support groundwater recharge. Two rainwater-harvesting pits are identified in the campus facility inventory, with a recorded capacity of approximately 4 lakh litres. Harvesting and recharge arrangements support resource conservation alongside efficient water-use practices.

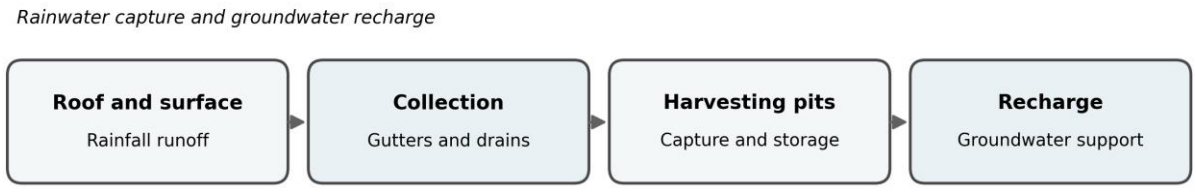


Figure 5. Rainwater collection and recharge pathway.

Water conservation indicators: academic year 2024–25

Campus records for 2024–25 include the following water-conservation indicators:

Indicator	2024–25 institutional value
Rainwater-harvesting connected area	147,203 sq. ft.
Wastewater treated	60% (reported institutional indicator)
Total water taps	942
Low-flow taps	364
Low-flow tap coverage	38.6% of recorded taps (364 / 942)

These figures represent the specified academic-year institutional indicators. They are not automatically representative of all facilities or of calendar year 2026. Continued inspections of water fixtures, leak repairs and user awareness strengthen conservation performance.

7. Campus upkeep, monitoring and accountability

The MITS Site Office supports day-to-day upkeep of sanitation infrastructure, waterlines, plumbing, landscaping and scheduled servicing of the STP and RO systems. Coordinated maintenance helps provide reliable water services and responsible management of the university's water resources.

Core operational activities

- Inspection of storage tanks, pipelines, taps and service points.
- Timely attention to water leakage and plumbing failures.
- Servicing of RO filters, membranes and associated treatment equipment.
- Routine inspection and sampling at the STP and treated-water reuse points.
- Desilting and cleaning of rainwater-harvesting infrastructure as needed.
- Awareness among faculty, students and staff regarding careful water use.



Institutional infrastructure and landscaped areas of the MITS campus.

Contribution to Sustainable Development Goal 6

The campus water-management programme supports SDG Target 6.3 through wastewater treatment and reuse, Target 6.4 through efficient water use, and Target 6.6 through water-resource protection and recharge-related practices. Drinking-water treatment and quality monitoring also contribute to the wider objective of providing safe and dependable water services.

8. Institutional outlook and continuing improvements

MITS will continue to strengthen its water-management practices through monitoring of water use, operation and maintenance of treatment facilities, reuse of treated water where appropriate, and improved visibility of conservation results. The university's water infrastructure serves as an operational resource and as a practical learning environment for students and academic departments.

Priorities for continuous improvement

Area	Institutional improvement priority
Wastewater management	Maintain complete operating logs, volume records and periodic STP effluent testing.
Drinking-water treatment	Document RO service schedules and conduct a comprehensive water-quality testing programme.
Rainwater harvesting	Maintain current location plans, connected-area records, pit inspections and recharge maintenance.
Water efficiency	Continue low-flow fixture adoption, leakage monitoring and consumption tracking.
Transparency	Update dated sustainability indicators and display current water initiatives on the university website.

A strong institutional water programme combines functional facilities, periodic testing, reliable records and active participation by campus stakeholders. Through these measures, MITS seeks to support responsible water stewardship and a sustainable learning environment.

Institutional information

Madanapalle Institute of Technology & Science (MITS), Deemed to be University

Website: https://mits.ac.in | SDG 6: https://mits.ac.in/sdg6

Madanapalle–Kadiri Road, Kurabalakota Mandal, Andhra Pradesh, India

ANNEXURE A

Borewell water - sample 1

Nexus Test Labs | report dated 02 February 2024 | sample TC506924000015246F

NTL/W/F/012/05

TEST REPORT

Sample Code: TC506924000015246F	Date of Sampling	--
Name Of the Organization : M/s. MADANAPALLE INSTITUTE OF TECHNOLOGY AND SCIENCE Kadiri Road, Angallu (Village), Madanapalle , Andra Pradesh - 517325.	Date of Receipt	27.01.2024
	Date of Analysis Started	27.01.2024
	Date of Analysis Completed	01.02.2024
	Date of Report	02.02.2024
	Environmental Condition	Ambient
Sample Particulars : Borewell Water	Sample Drawn By	Customer
Source Of collection : Madanapalle	Report No	TC506924000015246F
Sampling Method : --	Condition of the Sample	Satisfactory

RESULTS

S. No	Parameters	Protocol	Results	Standards IS : 10500 - 2012	
				Desirable Limits	Permissible Limits
1	pH Value	IS 3025 (Part - 11) 2017	7.05	6.5-8.5	No Relaxation
2	Turbidity, NTU	IS 3025 (Part - 10) 2017	0.1	1.0Max	5.0 Max
3	Conductivity, µs/cm	IS 3025 (Part - 14) 2019	2551.8	--	--
4	Total Dissolved Solids,mg/L	IS 3025 (Part - 16) 2017	1658.4	500Max	2000Max
5	Total Hardness as $CaCO_3$, mg/L	IS 3025 (Part - 21) 2019	782.8	200Max	600Max
6	Calcium as Ca, mg/L	IS 3025 (Part - 40) 2019	218.4	75 Max	200 Max
7	Magnesium as Mg, mg/L	IS 3025 (Part - 46) 2014	56.0	30 Max	100 Max
8	Alkalinity as $CaCO_3$, mg/L	IS 3025 (Part - 23) 2019	533.4	200 Max	600 Max
9	Chlorides as Cl, mg/L	IS 3025 (Part - 32) 2019	395.8	250 Max	1000 Max
10	Sulphates as SO_4, mg/L	IS 3025 (Part - 24) 2019	74.2	200 Max	400 Max
11	Nitrates as NO_3, mg/L	IS 3025 (Part - 34) 2019	45.4	45 Max	No Relaxation
12	Iron as Fe, mg/L	IS 3025 (Part - 53) 2019	0.09	1.0 Max	No Relaxation
13	Flouride as F, mg/L	IS 3025 (Part - 60) 2019	0.15	1.0 Max	1.5
14	Ammonia, mg/L	IS 3025(Part - 34) 2019	0.2	0.5 Max	No Relaxation
15	Lead as Pb, mg/L	IS: 3025 (Part - 2) 2019	BDL	0.01 Max	No Relaxation
16	Zinc as Zn, mg/L	IS: 3025 (Part - 2) 2019	BDL	5.0 Max	15 Max
17	Cadmium as Cd, mg/L	IS: 3025 (Part - 2) 2019	0.009	0.003 Max	No Relaxation
18	Chromium as Cr, mg/L	IS 3025 (Part - 2) 2019	BDL	0.05 Max	No Relaxation
19	Nickel as Ni, mg/L	IS: 3025 (Part - 2) 2019	BDL	0.02 Max	No Relaxation

INFERENCE: As per IS Standards 10500 - 2012, Sl No 5,6 & 17 are exceeding the limits.

ANALYZED BY

NEXUS TEST LABS PVT LTD BANGALORE

AUTHORISED SIGNATORY

KRISHNAVENI. K.
DY. Technical Manager

End of the Report

Note:

1. The results refer only to the tested samples and applicable Parameters
2. This report not to be reproduced wholly or in part & Cannot be used as an evidence in the Court of Law
3. Samples will be stored for a period of 15 Days on receipt. Gaseous samples, Food samples and Microbiology samples will be discarded after analysis
4. Nexus Test Labs doesnot hold any responsibility for variation in test results for samples kept on hold for want of clarification
5. BDL - Below Detection Limits

1 of 1

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Tel : +91 8050448777, Email : info@nexustestlabs.com, Web : nexustestlabs.com

Certificate No. : TC 5069

ANNEXURE B

Borewell water - sample 2

Nexus Test Labs | report dated 02 February 2024 | sample TC506924000015245F

Nexus TEST LABS
Paryavaran Test Consultants

NTL/W/F/012/05

TEST REPORT

Sample Code: TC506924000015245F	Date of Sampling	--
Name Of the Organization :	Date of Receipt	27.01.2024
M/s. MADANAPALLE INSTITUTE OF TECHNOLOGY AND SCIENCE	Date of Analysis Started	27.01.2024
Kadiri Road, Angallu (Village), Madanapalle ,	Date of Analysis Completed	01.02.2024
Andra Pradesh - 517325.	Date of Report	02.02.2024
	Environmental Condition	Ambient
Sample Particulars : Borewell Water	Sample Drawn By	Customer
Source Of collection : MITS College	Report No	TC506924000015245F
Sampling Method : --	Condition of the Sample	Satisfactory

RESULTS

S. No	Parameters	Protocol	Results	Standards IS : 10500 - 2012	
				Desirable Limits	Permissible Limits
1	pH Value	IS 3025 (Part - 11) 2017	7.35	6.5-8.5	No Relaxation
2	Turbidity, NTU	IS 3025 (Part - 10) 2017	0.1	1.0Max	5.0 Max
3	Conductivity, µs/cm	IS 3025 (Part - 14) 2019	1052.8	--	--
4	Total Dissolved Solids,mg/L	IS 3025 (Part - 16) 2017	684.3	500Max	2000Max
5	Total Hardness as $CaCO_3$, mg/L	IS 3025 (Part - 21) 2019	285.6	200Max	600Max
6	Calcium as Ca, mg/L	IS 3025 (Part - 40) 2019	78.4	75 Max	200 Max
7	Magnesium as Mg, mg/L	IS 3025 (Part - 46) 2014	20.4	30 Max	100 Max
8	Alkalinity as $CaCO_3$, mg/L	IS 3025 (Part - 23) 2019	340.0	200 Max	600 Max
9	Chlorides as Cl, mg/L	IS 3025 (Part - 32) 2019	62.0	250 Max	1000 Max
10	Sulphates as SO_4, mg/L	IS 3025 (Part - 24) 2019	48.6	200 Max	400 Max
11	Nitrates as NO_3, mg/L	IS 3025 (Part - 34) 2019	6.7	45 Max	No Relaxation
12	Iron as Fe, mg/L	IS 3025 (Part - 53) 2019	0.08	1.0 Max	No Relaxation
13	Flouride as F, mg/L	IS 3025 (Part - 60) 2019	0.2	1.0 Max	1.5
14	Ammonia, mg/L	IS 3025(Part - 34) 2019	0.4	0.5 Max	No Relaxation
15	Lead as Pb, mg/L	IS: 3025 (Part - 2) 2019	BDL	0.01 Max	No Relaxation
16	Zinc as Zn, mg/L	IS: 3025 (Part - 2) 2019	BDL	5.0 Max	15 Max
17	Cadmium as Cd, mg/L	IS: 3025 (Part - 2) 2019	BDL	0.003 Max	No Relaxation
18	Chromium as Cr, mg/L	IS 3025 (Part - 2) 2019	BDL	0.05 Max	No Relaxation
19	Nickel as Ni, mg/L	IS: 3025 (Part - 2) 2019	BDL	0.02 Max	No Relaxation

INFERENCE: As per IS Standards 10500 - 2012, The above tested results are within the limits.

ANALYZED BY

NEXUS TEST LABS PVT LTD BANGALORE

AUTHORISED SIGNATORY

KRISHNAVENI. K.
DY. Technical Manager

End of the Report

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Certificate No. : TC 5069

ANNEXURE C

STP inlet water

Nexus Test Labs | report dated 02 February 2024 | sample TC506924000015247F

Nexus TEST LABS
Paryavaran Test Consultants

NTL/W/F/012/05

TEST REPORT

Sample Code: TC506924000015247F	Date of Sampling	--
Name Of the Organization : M/s. MADANAPALLE INSTITUTE OF TECHNOLOGY AND SCIENCE Kadiri Road, Angallu (Village), Madanapalle , Andra Pradesh - 517325.	Date of Receipt	27.01.2024
	Date of Analysis Started	27.01.2024
	Date of Analysis Completed	01.02.2024
	Date of Report	02.02.2024
	Environmental Condition	Ambient
Sample Particulars : S T P Inlet Water	Sample Drawn By	Customer
Source Of collection : MITS College	Report No	TC506924000015247F
Sampling Method : --	Condition of the Sample	Satisfactory

RESULTS

S. No	Parameters	Protocol	Results
1	pH Value	IS 3025 (Part - 11) 2017	7.77
2	Turbidity, NTU	IS 3025 (Part - 10) 2017	8.0
3	Conductivity, µs/cm	IS 3025 (Part - 14) 2019	1508.2
4	Total Dissolved Solids,mg/L	IS 3025 (Part - 16) 2017	980.3
5	Total Hardness as $CaCO_3$, mg/L	IS 3025 (Part - 21) 2019	329.6
6	Calcium as Ca, mg/L	IS 3025 (Part - 40) 2019	89.6
7	Magnesium as Mg, mg/L	IS 3025 (Part - 46) 2014	23.4
8	Alkalinity as $CaCO_3$, mg/L	IS 3025 (Part - 23) 2019	528.0
9	Chlorides as Cl, mg/L	IS 3025 (Part - 32) 2019	175.9
10	Sulphates as SO_4, mg/L	IS 3025 (Part - 24) 2019	50.4
11	Nitrates as NO_3, mg/L	IS 3025 (Part - 34) 2019	1.4
12	Iron as Fe, mg/L	IS 3025 (Part - 53) 2019	2.1
13	Flouride as F, mg/L	IS 3025 (Part - 60) 2019	0.2
14	Ammonia, mg/L	IS 3025(Part - 34) 2019	20.2
15	Lead as Pb, mg/L	IS: 3025 (Part - 2) 2019	0.084
16	Zinc as Zn, mg/L	IS: 3025 (Part - 2) 2019	1.786
17	Cadmium as Cd, mg/L	IS: 3025 (Part - 2) 2019	BDL
18	Chromium as Cr, mg/L	IS 3025 (Part - 2) 2019	0.026
19	Nickel as Ni, mg/L	IS: 3025 (Part - 2) 2019	0.037

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AUTHORISED SIGNATORY

VIJAYA SIMHA REDDY. P.R.
Technical Manager

End of the Report

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Certificate No. : TC 5069

ANNEXURE D

STP outlet water

Nexus Test Labs | report dated 02 February 2024 | sample TC506924000015248F

Nexus TEST LABS
Paryavaran Test Consultants

NTL/W/F/012/05

TEST REPORT

Sample Code: TC506924000015248F	Date of Sampling	--
Name Of the Organization : M/s. MADANAPALLE INSTITUTE OF TECHNOLOGY AND SCIENCE Kadiri Road, Angallu (Village), Madanapalle , Andra Pradesh - 517325.	Date of Receipt	27.01.2024
	Date of Analysis Started	27.01.2024
	Date of Analysis Completed	01.02.2024
	Date of Report	02.02.2024
	Environmental Condition	Ambient
Sample Particulars : S T P Outlet Water	Sample Drawn By	Customer
Source Of collection : MITS College	Report No	TC506924000015248F
Sampling Method : --	Condition of the Sample	Satisfactory

RESULTS

S. No	Parameters	Protocol	Results
1	pH Value	IS 3025 (Part - 11) 2017	7.43
2	Turbidity, NTU	IS 3025 (Part - 10) 2017	5.2
3	Conductivity, µs/cm	IS 3025 (Part - 14) 2019	1269.3
4	Total Dissolved Solids,mg/L	IS 3025 (Part - 16) 2017	825.1
5	Total Hardness as $CaCO_3$, mg/L	IS 3025 (Part - 21) 2019	296.6
6	Calcium as Ca, mg/L	IS 3025 (Part - 40) 2019	80.0
7	Magnesium as Mg, mg/L	IS 3025 (Part - 46) 2014	21.4
8	Alkalinity as $CaCO_3$, mg/L	IS 3025 (Part - 23) 2019	323.4
9	Chlorides as Cl, mg/L	IS 3025 (Part - 32) 2019	171.9
10	Sulphates as SO_4, mg/L	IS 3025 (Part - 24) 2019	36.5
11	Nitrates as NO_3, mg/L	IS 3025 (Part - 34) 2019	20.9
12	Iron as Fe, mg/L	IS 3025 (Part - 53) 2019	1.2
13	Flouride as F, mg/L	IS 3025 (Part - 60) 2019	0.15
14	Ammonia, mg/L	IS 3025(Part - 34) 2019	1.2
15	Lead as Pb, mg/L	IS: 3025 (Part - 2) 2019	0.014
16	Zinc as Zn, mg/L	IS: 3025 (Part - 2) 2019	0.418
17	Cadmium as Cd, mg/L	IS: 3025 (Part - 2) 2019	BDL
18	Chromium as Cr, mg/L	IS 3025 (Part - 2) 2019	BDL
19	Nickel as Ni, mg/L	IS: 3025 (Part - 2) 2019	BDL

ANALYZED BY

NEXUS TEST LABS PVT LTD BANGALORE

AUTHORISED SIGNATORY
VIJAYA SIMHA REDDY. P.R.
Technical Manager

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Certificate No. : TC 5069

ANNEXURE E

RO-water testing at campus sampling points

MITS Material and Quality Testing Laboratory | report dated 15 October 2025 | MITS-MQTL/TR/25/10/45

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)
Approved by AICTE, New Delhi and Affiliated to JNTUA, Ananthapuramu
www.mits.ac.in

MITS- MATERIAL AND QUALITY TESTING LABORATORY
DEPARTMENT OF CIVIL ENGINEERING

TEST REPORT

TR No: MITS-MQTL/TR/25/10/45
TR Date: 15/10/2025

1.	Name and address of the customer	Site office, MITS - Madanapalle,
2.	Job card no	MITS –MQTL/2025/10/45
3.	Sampling method & Date of sampling	NA
4.	Material identification	RO Water
5.	Date of sample receipt	08/10/2025
6.	Date of sample testing	14/10/2025
7.	Location & Test done by	MITS – MQTL , Mr Veeresh B and Mallikarjuna Y
8.	Method of test (IS code)	Water portability assessment as per IS 10500:2012
9.	Condition of sample when received	Good
10.	Environmental conditions :	
	a. Room temperature :	27 ^{0}Celsius
	b. Relative humidity :	73 %

Name of the test: Water potability assessment as per IS 10500:2012

S. No	Description	Unit	Limit	SRB	LB	SB	SB	KK Block	NPN Block	Canteen
1	pH	—	6.5–8.5	7.2	7.1	7	7.1	7.3	7	7.1
2	Total Dissolved Salts (TDS)	mg/L	500	21	24	26	31	21	25	24
3	Total Suspended Solids (TSS)	mg/L	500	NIL	NIL	NIL	NIL	NIL	NIL	NIL
4	Biological Oxygen Demand (BOD)	mg/L	2	0.8	0.7	0.9	0.8	0.6	0.9	0.7
5	Chemical Oxygen Demand (COD)	mg/L	<250	12	14	11	13	10	15	9
6	Turbidity (NTU)	NTU	1	0.3	0.4	0.2	0.3	0.4	0.5	0.3
7	Total Hardness	mg/L	200	85	92	88	90	95	81	80

(Note: - Reported value approximately at 95% confidence level with coverage factor k = 2)

End of test report

Note:
1. This report can neither be used as an evidence in the court of law, nor it can be produced in part or full in any media without prior permission.
2. The result listed refer only to the tested sample and applicable parameters.
3. Perishable samples are destroyed after testing; requested samples are returned back to the customer.
4. Sample(s) not drawn by us, unless otherwise mentioned.

Reviewed by

Authorized by
Dr. Sudheer Kumar Y
(MITS - MQTL)

TR No: MITS-MQTL/TR/25/10/45
TR. F.No: MITS-MQTL/QF/15d. VERSION : 1 AMMND NO: 1 AMMND DATE: 20-01-2022

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