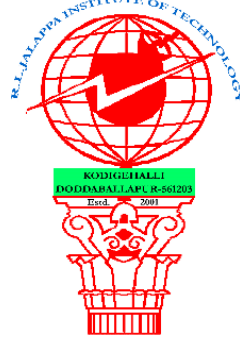


Water Management Policy



(Water Management Policy - 2023)

(Revised Version of Water Management Policy -2018)

Ref. No. RLJIT /NAAC/2022-23/Policies/037

Approved by Institute Council Meeting on 30/01/2023

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Recommendations of the Institution Council for the revision of approval Water Management Policy.

History of changes in Water Management Policy

Sl. No.	Newly Added/Revised	Water Management Policy 2018	Water Management Policy 2023
No Changes			



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Water Management Policy

1. INTRODUCTION

Water is the basic need of life. Since water has no substitute, the natural water resources are being exhausted to meet its increasing requirement. This drives us to recycling or reuse of water. It needs to create awareness among the stakeholders of the Institute. RLJIT thus has contributed in various ways and numerous efforts by initiating integrated efforts to ensure adequate infrastructure, processes and guidelines, in line with Government, for providing the sufficient and sustainable water facilities within Campus. Comprehensive and continuous efforts are made by the Institution to facilitate safe and affordable drinking water. Addition to this some remarkable efforts were made towards treatment of waste water produced in Campus by installing waste water treatment unit of capacity 100KLD in campus and maximization its use also been made.

2. OBJECTIVES

The objectives of the policy are,

1. To increase the awareness among campus population regarding the sustainable use and reuse/recycle of water.
2. To maximize the judicious use of water in the campus.
3. To ensure round the clock availability of pure and free drinking water to all within the campus.
4. To ensure the sewage treatment as per the prevailing norms.
5. To contribute towards bringing up of the ground water table level.

3. GUIDELINES ON WATER USE ON CAMPUS

Institution must make dedicated efforts towards the provision of fresh water facilities as well as the treatment of the waste water for its reuse. For achieving clean water and sanitation, the Institute must introduce various processes and policies such as:

3.1 Access to Free and Clean Water

1. Institution must provide pure and free drinking water facility to the entire Campus population.
2. To ensure the quality of purity of water, there must be routine water audits and water quality checks from certified agency/service providers.
3. The water purifiers must be maintained regularly to ensure the un-interrupted supply of pure and safe water, from certified agency/service providers.
4. To ensure the minimum wastage of clean water, the push button taps, two button toilet flush water tanks, water saving spray jet nozzles etc. must be installed in Campus.
5. For ensuring the adequate supply of pure water, Institute must organize awareness programs must be organized from time to time within campus, focusing on key indicators of pure water, water recycling, water security and management.
6. Institute must ensure the proper utilization of overhead tanks/water sumps for storing water and using it for drip irrigation, horticulture and agriculture.
9. Institute must contribute towards the global mission of “Clean Water” by co-operating with local, regional, national or international bodies/NGOs/Governmental agencies, etc. to work on water security.
10. A separate water treatment plant (Reverse Osmosis plant) can be installed for each block for supply of purified water.

3.2 Treatment of waste water

1. Sewage Treatment Plants (STPs) must be installed at various locations inside the Campus to treat the waste water as necessary.
2. Institute should direct its efforts to optimize the capacity of the STPs for treating the waste water.
3. Institute must focus on utilization of treated/gray water for gardening, agriculture and flushing the toilets.
4. The waste water produced in the Campus must be disposed-off to the surroundings only after pretreatment of the same. This must be as per the Karnataka Pollution Control Board and/or Central Pollution Control Board guidelines to protect human health and healthy ecosystems (both aquatic i.e. freshwater as well as marine and terrestrial ecosystems).
5. The waste water expected to be rich in microbial content must be disposed-off after pretreatment as per Bio Medical Waste Management guidelines laid down by Govt. of India.

6. The quality of treated water must also be examined on a timely basis to ensure the proper functioning of Sewage Treatment Plants.

3.3 Rain water harvesting

1. Institute must provide rain-water harvesting provision within the Campus to ensure the recycling of rain water and contribute towards sustainable development.

2. The volume of rain water harvested must be measured using water meters and the consequent effect of ground water recharging must be monitored.

3. Institute must ensure the prevention by mixing up of polluted water, harmful water or any polluted water from accidents and incidents in surroundings/Institute to clean water and must take steps in this direction.

4. The collection of rain water must be collected through surface runoff collection from terraces that is connected to a rainwater recharge well by a pipe line.

3.4 Other Initiatives

Institute must take following additional initiatives for the water use with in the campus:

1. Implement building standards to minimize water usage and maximize water reuse. The quantity of reused water must be recorded.

2. Implement water conservation method like drip irrigation, leakage repairs and condensate recovery.

3. Implementation of water recycling techniques including dissolved air flotation, biological treatment, granular activated carbon, softening, disinfection, deionization and filtration etc.

4. Initiate plantation such that the plants (Drought resistant plants) require lesser water for growth and sustenance.

5. Initiate in-designing of the campus roads should be with saucer drain section to collect water from the road network and from the paver's walkways.

6. Initiate by installing solar water pumps to run the water pumping system in the campus.




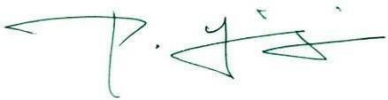
7. Implementation of water filling in overhead water tanks with a time-controlled pumping system at individual buildings of the campus.

8. Compliance with government guidelines for the water discharge to protect the ecosystem.

9. Ensure the 24 x 7 supply of quality potable water.
10. In order to minimize water usage, students are encouraged to use buckets instead of showers.
11. University increase vegetation cover in order to prevent top soil erosion.
12. Sensor based water taps should be used in order to minimize the wastage of water.

These guidelines must be reviewed periodically considering the data stats and analysis to overcome the system lags and ensure the sustainable supply of clean water.

Policy Preparation and Verification Team

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