



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' ♦ Approved by AICTE ♦ ISO 21001:2018 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

Water conservation facilities available in the Institution

Wastewater Recycling: (Description and Geo-Tagged Photos)

- KLEF has an established potential of 2180 KLD wastewater recycling capacity as of date.
- The wastewater generated on the campus was treated in the sewage treatment plants of 5 No's STP with a handling capacity of 2180 KLD.
- Three sewage treatment plants (STPs) utilize MBBR (Moving Bed Biofilm Reactor) Technology, while two STPs employ ARBiT (Advanced Technology-based Design) technology.
- The sludge settled in the STPs is removed once a month and composted. The compost is used as manure for the gardens. Thus, the entire wastewater generated on the campus is well-treated and effectively used for gardening and dual flushing purposes.
- 40% of the total water demand of the campus is being met by treated water from STP, thus reducing the dependency on the fresh groundwater source.

STP-1, Near Main Canteen, MBBR Technology, 300 KLD capacity

STP-2, Near KGH Girls' Hostel, MBBR Technology, 300 KLD capacity

STP-3, Near Nilagiri Girls Hostel, MBBR technology, 30 KLD capacity

STP-4, Near Himalaya Boys Hostel, ARBiT Technology, 350 KLD capacity

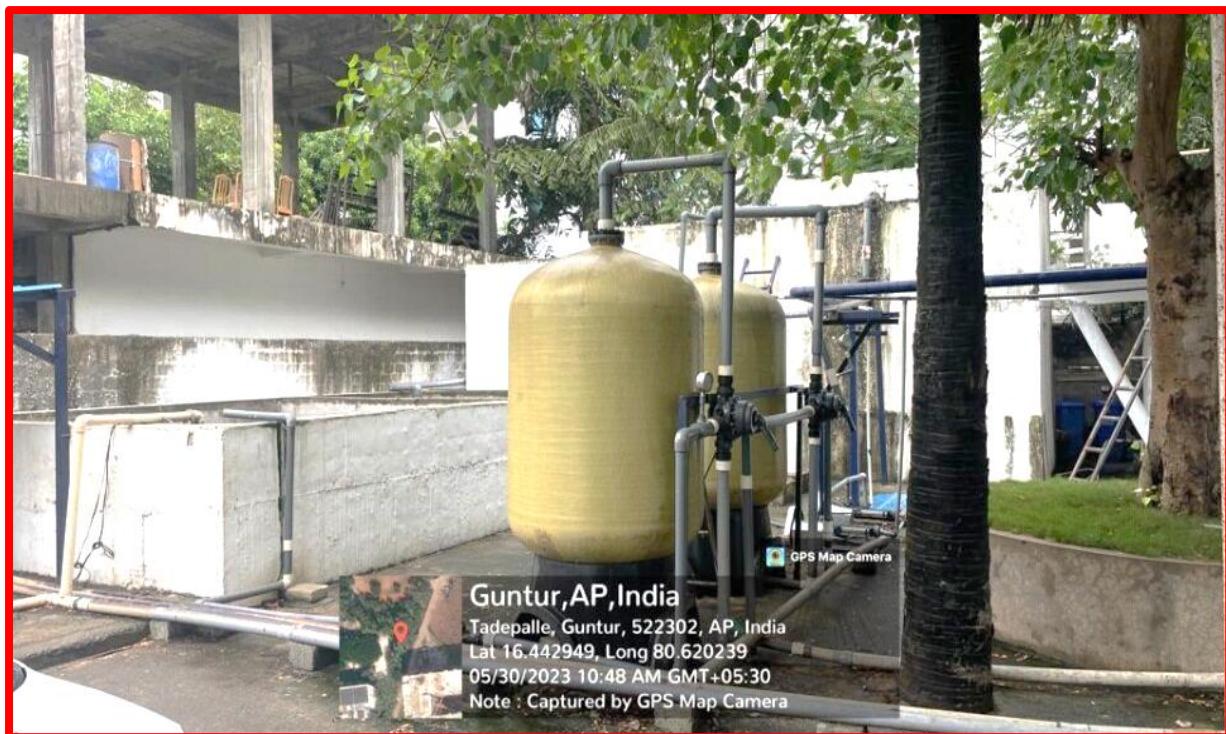
STP-5, Near Tulip Residency, ARBiT Technology, 1200 KLD capacity



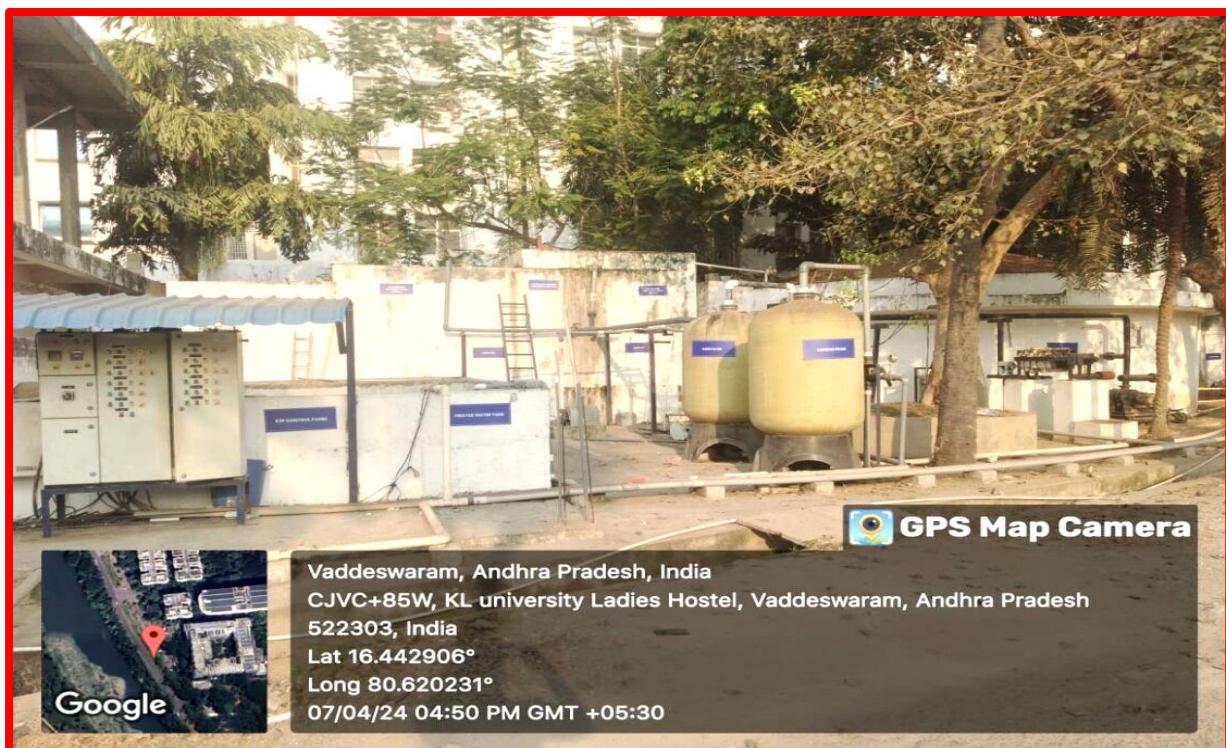
STP-1, Near Main Canteen, MBBR Technology, 300 KLD capacity



Collection Tank of STP-1, Near Main Canteen Labs



STP-2, Near KGH Girls' Hostel, MBBR Technology, 300 KLD capacity



Front View of STP-2, Near KGH Girls' Hostel



STP-3, Near Nilagiri Girls Hostel, MBBR technology, 30 KLD capacity



Carbon filters of STP-3, Near Nilagiri Girls Hostel



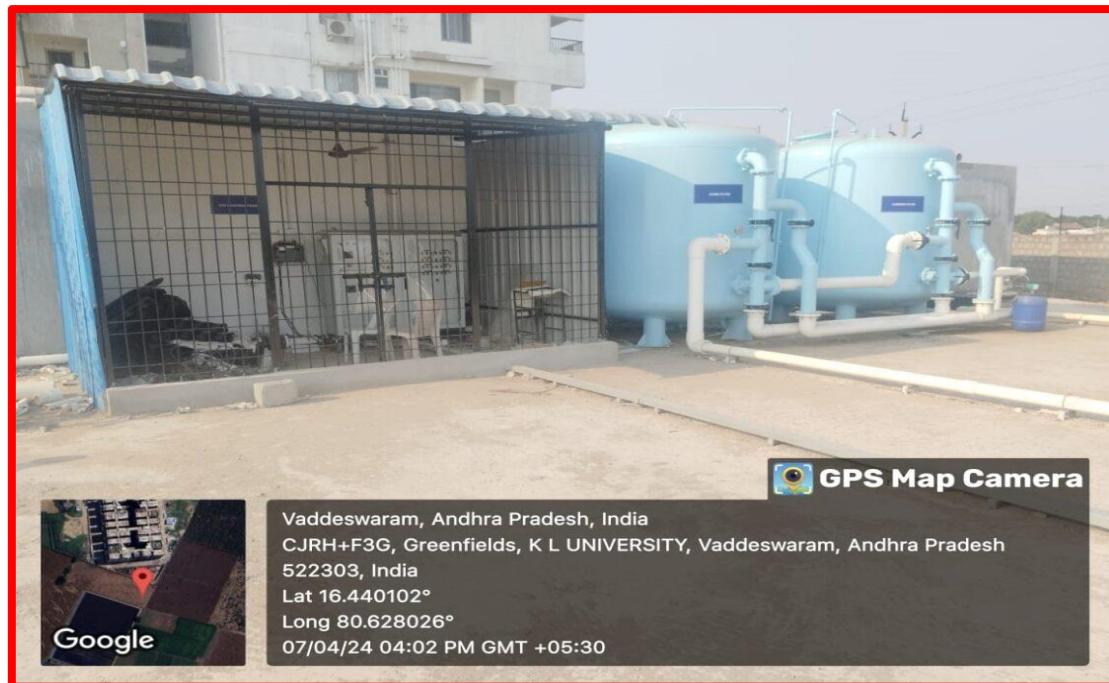
STP-4, Near Himalaya Boys Hostel, ARBiT Technology, 350 KLD capacity



Front View of STP-4, Near Himalaya Boys Hostel

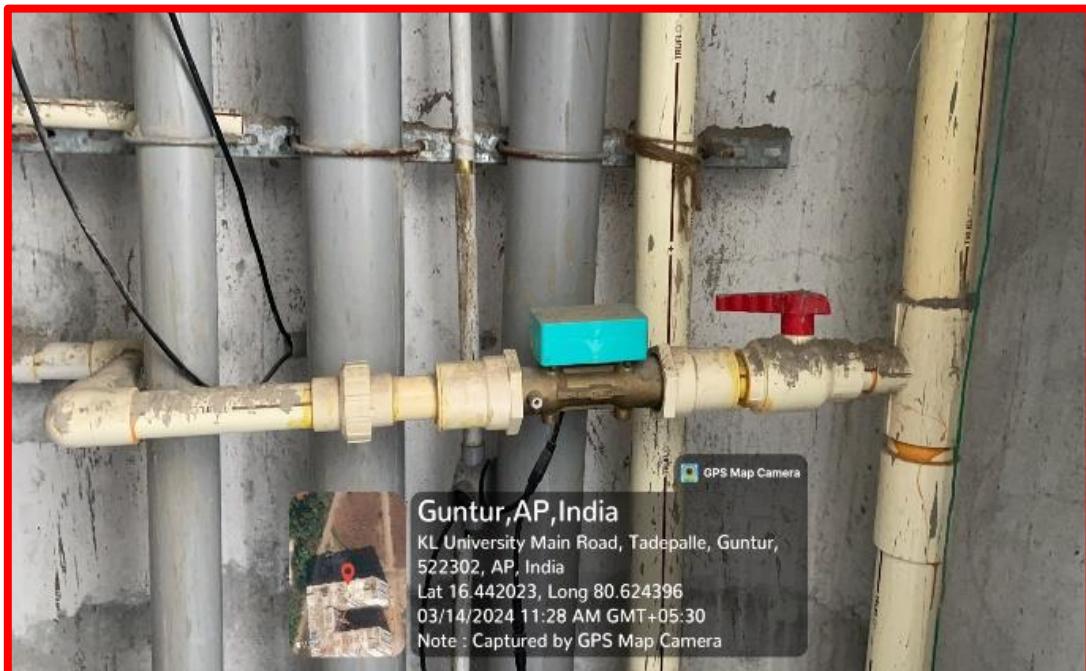


STP-5, Near Tulip Residency, ARBiT Technology, 1200 KLD capacity



STP-5, Near Tulip Residency

Utilization of STP recycled water for dual plumbing system and flushes



Dual Plumbing System



Utilization of STP recycled water for Dual flush

Utilization of STP recycled water for gardening



STP recycled water for gardening



STP recycled water for gardening
