



Water Treatment Plant and Sewerage Treatment Plant





SALIENT FEATURES OF CLEAN AND SMART CAMPUS

- Solar Power Plant of 2.3 MWp is installed on roof-top of the buildings, Ground Mounted and parking shed in the Campus - one of the largest roof-top Solar Power Plant in India for any Private University.
- The University is a '**Zero Discharge Campus**', with Rain Water Harvesting, Waste water recycling and reuse and Ground Water recharging in place. Water conservation through campus wide drains and ponds for water collection.
- Sewage treatment plants on both sides of the campus.
- Campus greening through extensive tree plantation.
- The University has a Bio-Gas generation system using Kitchen waste, producing 30kg of Gas per day with 500 kg of Kitchen waste.
- All buildings are optimally designed to maximize daylight and minimize heat gains.
- Digital Campus



LIQUID WASTE MANAGEMENT-INHOUSE- SEWAGE TREATMENT PLANT

MUJ is equipped with **4 STP** Plants with different capacity 1000 KLD, 350 KLD(two) and 150 KLD **IN TOTAL 1850 KLD.**

Sewage treatment removes contaminants from wastewater, which includes physical, chemical, and biological processes to remove these contaminants and produce environmentally safer treated water (it has been used for flushing and gardening). In normalcy are producing 1850KL treated water per day.

➤ [Production of recycle waste-water report \(click here\)](#)





**MANIPAL UNIVERSITY
JAIPUR**
(University under Section 2(f) of the UGC Act)

LIQUID WASTE MANAGEMENT-INHOUSE- SEWAGE TREATMENT PLANT



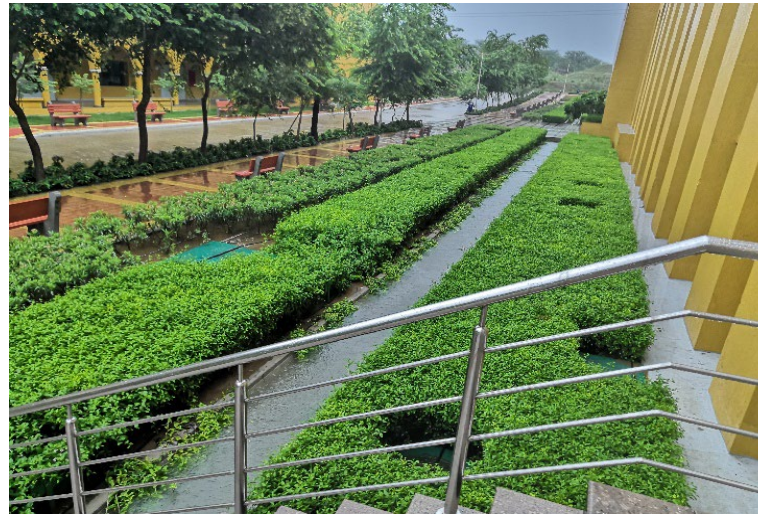
Waste Usage /COMPOSE PIT



1. Waste is collected from different corners of campus
2. After segregation, waste is put into compost pit
3. After a few weeks, earthworms and microorganisms in the soil convert the organic matter into useable compost.



USAGE OF RECYCLE WATER



- Zero Water Discharge Campus (Water Recycling)
- Sludge From STP Used As Manure For Landscaping. Reusing the debris waste for the pathways and road areas base compaction
- Vehicle Washing
- Gardening and Horticulture



Water Reuse from WTP and STP

	Year 2021-22			
	WTP		STP	
	Domestic water in KL		Flush water in KL	
	200 KLD (MUJ)	80 KLD (Housing)	150KLD	350KLD
Month				
April	5570	1405	180	3464
May	4400	1273	444	3922
June	4366	1226	241	4118
July	3395	1145	152	4736
August	2278	1002	0	4502
September	2746	1216	167	4655
October	2765	1258	139	4040
November	2623	1216	52	4198
December	2974	1212	45	3905
January	3824	1132	15	3765
February	3267	1116	0	3661
March	3073	1184	0	3757
Total	34941	12085	1435	41305
Per month Avg.	3494.1	1208.5	143.5	4130.5