

Comparison between RO & Tech-Jal System

	RO	Tech-Jal
Water wastage	50-75% of inlet water	0%
Water wastage in liters per year	~ 15,000,00	No wastage
Electricity requirement	Yes	No (can work with electricity also)
Electricity consumption for 1000 LPH per year (considering 8 hrs per day operation)	Rs. 40000	Nil
Maintenance	High and frequent maintenance.	Low maintenance.
Cost of drinking water per liter (Paisa)	~50-100	~ 5-10
Servicing	Technically trained person is required.	Layman can maintain & service the system.
Minerals retention	Eradicates all	Retains all
Virus and Bacteria removal	Yes, with and without UV radiation (Bacteria also eat the RO membrane material causing the micro-voids in the membrane and allowing bacteria and viruses to pass through)	Removes completely (The material used for our membranes is inert and pathogens can't eat it)
TDS removal	Up to 2000	UF membranes do not reduce the TDS. We recommend it for the water levels of up to 600 TDS
Capacity Upgradation	Possible with heavy changes	Possible without minimum changes
Foot print	Requires large installation area	Compact and very small in size which can fit at any place
Carbon Foot Print	The water wastage here is upto 70%. The electricity needed for getting a 30% purified water is wasted for the complete 100% water.	TechJal System is based on the principals of Green, Clean-tech & Eco-friendly Technology.