

A TATA STEEL PRODUCT

ALL TIME WATER KIOSK
Dispensing Pure water



QUENCH YOUR THIRST

Anytime, anywhere





ALL TIME WATER KIOSK

Dispensing Pure water



When we finish the last drop of water from our bottles at home, all we need to do is switch on the purifier and refill it – a matter of mere minutes!

But not everyone in India is so fortunate, and the next drop of water is far and unsafe to drink.

Many Companies and Governing bodies are coming forward to address this urgent need. But they are faced with a dearth of trusted partners, who can give them the right solution with a hassle-free turnkey project delivery and a way forward for handling the unit's operations.

Nest-In introduces ATW Kiosk – where pure water flows out every time someone comes for a refreshing refill of water. Our aesthetic solution optimizes available space and maximizes water dispensing.

ATW Kiosk also offers an interesting opportunity for developing community entrepreneurship, making it self-sustainable and improving the life of the community in which it is placed!

Features

Purification Plant



Manual/Auto operated



RO/UF/UV Filtration



IS 10500 Code Compliance



Easy to use single phase design that works up to TDS 3000ppm



Capacity of 250 lph, 500 lph and 1000lph



Integrated SIM based communication



Coin/card slots



Inside the plant



Stainless steel dispenser

Structure



Aesthetically attractive and robust modular unit



Insulated steel structure : galvanized steel panel 50 mm thick (with two sheets of 0.4mm and 0.5mm) filled with PUF of density 40kg.m3



3 Stainless steel dispensers and product water tank for rust resistance (grade 304)



Coin/Card operated (option for Rs. 1, 2, 5 coins)



Programmable water quantity selector (between 200 ml to 10L)



Option for cold water



Revenue Generating self sustainable unit – best suited for community operation

We offer 2 technologies and 3 capacities of the purification plant. The comparison between the variants offered is tabulated below



purification plant

Capacity	RO+UV	UF+UV
250 lph	<ul style="list-style-type: none"> Raw water quality TDS <3000 ppm Turbidity <5NTU Recovery 25% Avg Flux 21 l/m²/hr Single Phase electric load 2Kw Plant weight 100 kg Dimensions 800L*500W*1430H Product water quality TDS < 100 ppm As per IS 10500 	NA
500 lph	<ul style="list-style-type: none"> Raw water quality TDS <3000 ppm Turbidity <5NTU Recovery 45% Avg Flux 21 l/m²/hr Single Phase electric load 2.2Kw Plant weight 210 kg Dimensions 1750L*650W*1725H Product water quality TDS < 100 ppm As per IS 10500 	<ul style="list-style-type: none"> Raw water quality TDS <200 ppm Turbidity <25NTU Recovery 90% Single Phase electric load 0.375Kw Plant weight 150 kg Dimensions 1000L*700W*2200H Product water quality TDS <200 ppm, TSS < 1ppm Turbidity<1(0.5) Microorganism, Bacteria, Pseudomonas, Diminuta, E.coli >4 log
1000 lph	<ul style="list-style-type: none"> Raw water quality TDS <3000 ppm Turbidity <5NTU Recovery 58% Avg Flux 21 l/m²/hr Single Phase electric load 3Kw Plant weight 270 kg Dimensions 2500L*600W*2200H Product water quality TDS < 100 ppm As per IS 10500 	<ul style="list-style-type: none"> Raw water quality TDS <200 ppm Turbidity <25NTU Recovery 90% Single Phase electric load 0.5Kw Plant weight 175 kg Dimensions 1200L*700W*2200H Product water quality TDS <200 ppm, TSS < 1ppm Turbidity<1(0.5) Microorganism, Bacteria, Pseudomonas, Diminuta, E.coli >4 log

*System may vary based on source of Raw Water

1. NTU: Nephelometric Turbidity Unit (measures intensity of light scattered at 90 degrees as a beam passes through a water sample)

2. ppm is parts per million

Nest-In provides a complete turn-key solution which includes the installation of the unit, and add-on services like:



- Input water quality testing
- Expert advice regarding right technology based on prevailing input water quality
- Connecting with identified NGOs and SHGs to facilitate Operation of the unit post installation, thereby providing an ecosystem for smooth running of unit
- Option for AMC to ensure hassle-free maintenance all year round



ATW Kiosk also offers an opportunity for development of entrepreneurship in the community. The coin/card based water dispensers become a self-sustainable revenue model, an approximation of which is tabulated below:

Description	Daily units	Daily Rs.	Annual Rs.
Costs:			
Electricity @ Rs. 6 per unit	12	72	21,600
Raw Water @ Rs. 1 per 100 L	2000	20	6,000
Maintenance charges		117	35,000
Misc. Expenses		50	15,000
Total Expenses		259	77,600
Revenue:			
Water @ Rs. 1 per litre	1000	1000	3,00,000
Net Earnings per Kiosk		742	2,22,400

Assumptions

1. The kiosk works for 300 days in a year.
2. Capex cost (purchase and installation of kiosk) is not borne by the entrepreneur

ATW Kiosk is the right choice to provide a clean and safe drinking water solution in any public place. Some ideal applications would be:



Railways



Large corporate campuses



Smart Cities



Bus stands



Hospitals



Highway halts



Market Places



Parks and Gardens



Schools and Colleges



Monuments / Heritage sites

Installation Pre-requisites

- Area: 50 sqft easy accessible area.
- Water and Electricity: 24x7 or intermittent water source and Continuous 240V, 3kW power supply connection.
- Drainage: Availability of drain for waste water removal. The water can be used for sanitation or cleaning purpose.



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