

A TATA STEEL PRODUCT



QUENCH YOUR THIRST
Anytime, anywhere



Call 1800 108 8282

E-mail: nest-in@tatasteel.com
www.nestin.co.in

Other solutions



EzyNest



HabiNest



MobiNest



Nestudio





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 AquaNest – 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.

AquaNest 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 compliant output water



Easy to use single phase design that works up to TDS 2000ppm



Capacity of 250 lph, 500 lph and 1000 lph



Integrated SIM based communication



Coin/card slots



Inside the plant



Stainless steel dispenser

Structure



Aesthetically attractive and robust modular unit



Insulated steel structure : galvanized puf insulated steel panel 50 mm thick



Stainless steel dispensers and product water tank for rust resistance



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 the variants with water purification technology (RO + UV) by our technology partner- Deltapure



purification plant

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



Capacity	RO+UV
250 lph	<ul style="list-style-type: none"> Raw water quality TDS <2000 ppm Turbidity <5NTU Recovery 30% Avg Flux 21 lm2/hr Single Phase electric load 2Kw Plant weight 100 kg Dimensions 800L*500W*1430H Product water quality TDS < 100 ppm As per IS 10500
500 lph	<ul style="list-style-type: none"> Raw water quality TDS <2000 ppm Turbidity <5NTU Recovery 45% Avg Flux 21 lm2/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
1000 lph	<ul style="list-style-type: none"> Raw water quality TDS <2000 ppm Turbidity <5NTU Recovery 58% Avg Flux 21 lm2/hr Single Phase electric load 3Kw Plant weight 270 kg Dimensions 2500L*600W*2200H Product water quality TDS < 100 ppm As per IS 10500

*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

- Input water quality testing
- Expert advice regarding right technology based on prevailing input water quality
- Connecting with identified NGOs or 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



AquaNest 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

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



Railways



Smart Cities



Hospitals



Market Places



Schools and Colleges



Large corporate campuses



Bus stands



Highway halts



Parks and Gardens



Monuments / Heritage sites

Installation Pre-requisites

- Area: 60 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.