It’s time to use your power to change things for them.
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 optimises 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.
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 10 l)
- Option for cold water
- Revenue generating self-sustainable unit – best suited for community operations
**Features**

**Purification Plant**

- Stainless steel dispenser
- Coin/card slots
- Inside the plant

- Manual/auto operated
- RO/UF/UV filtration
- IS 10500 code compliance

- Easy to use single phase design that works up to TDS 3000 ppm
- Capacity of 250 lph, 500 lph and 1000 lph
- Integrated SIM based communication

*ALL TIME WATER KIOSK*
Dispensing Pure water
We offer 2 technologies and 3 capacities of the purification plant. The comparison between the variants offered is tabulated below:

<table>
<thead>
<tr>
<th>Capacity</th>
<th>RO+UV</th>
<th>UF+UV</th>
</tr>
</thead>
</table>
| 250 lph  | - Raw water quality TDS <3000 ppm  
- Turbidity <5NTU  
- Recovery 25%  
- 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 | NA |
| 500 lph  | - Raw water quality TDS <3000 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 | - 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 | - Raw water quality TDS <3000 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 | - Raw water quality TDS <200 ppm  
- Turbidity <25NTU  
- Recovery 90%  
- Single phase electric load 0.5Kw  
- Plant weight 175 kg  
- Dimensions 1200L*x 700W*x 2200H  
- Product water quality TDS <200 ppm,  
TSS < 1ppm Turbidity <1(0.5), Microorganism, Bacteria, Pseudomonas,  
Diminuta, Ecoli >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:

<table>
<thead>
<tr>
<th>Description</th>
<th>Daily units</th>
<th>Daily (₹)</th>
<th>Annual (₹)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Costs:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electricity @ ₹ 6 per unit</td>
<td>12</td>
<td>72</td>
<td>21,600</td>
</tr>
<tr>
<td>Raw water @ ₹ 1 per 100 L</td>
<td>2000</td>
<td>20</td>
<td>6,000</td>
</tr>
<tr>
<td>Maintenance charges</td>
<td>117</td>
<td>50</td>
<td>35,000</td>
</tr>
<tr>
<td>Misc. expenses</td>
<td></td>
<td></td>
<td>15,000</td>
</tr>
<tr>
<td>Total expenses</td>
<td>259</td>
<td>1000</td>
<td>77,600</td>
</tr>
<tr>
<td>Revenue:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water @ ₹ 1 per litre</td>
<td>1000</td>
<td>1000</td>
<td>3,00,000</td>
</tr>
</tbody>
</table>

Net Earnings per Kiosk 742 2,22,400
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
- 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: 50 sq. ft. easy accessible area
- Water and Electricity: 24x7 or intermittent water source and continuous 240 V, 3 kW power supply connection
- Drainage: Availability of drain for waste water removal. The water can be used for sanitation or cleaning purpose
88% of deaths occur from diarrheal diseases

Water, sanitation and hygiene prevent 9.1% of diseases

650 million people do not have access to safe water

2.4 billion people have no safe sanitation facilities

Most primary schools lack **safe water**

Nearly $2/3$ of all schools lack adequate sanitation

War takes less lives than that claimed by **diarrheal diseases**
MODULAR TOILETS
The one-stop sanitation solution
Robust and insulated super structure with waste management, plumbing and electrical fittings. Available in attractive designs and colour options.

<table>
<thead>
<tr>
<th>Size</th>
<th>SINGLE</th>
<th>DOUBLE</th>
<th>TRIPLE</th>
<th>QUADRUPLE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3’ x 4’</td>
<td>6’ x 4’</td>
<td>9’ x 4’</td>
<td>12’ x 4’</td>
</tr>
<tr>
<td>Super structure supply price in INR*</td>
<td>₹ 3390</td>
<td>₹ 63500</td>
<td>₹ 89900</td>
<td>₹ 118000</td>
</tr>
</tbody>
</table>

*Ex-factory, excluding taxes

Unique Features - Modular Toilets
- Foundation
- Wash Basin
- Water Tank
- Exhaust Fan

Additional Features - Differently Abled Friendly Modular Toilet
- Hand Railing
- High Wash Basin
- Slope entry
- Available in Western & Indian style

For further details call 1800 345 8282 | e-mail: nest-in@tatasteel.com | www.nestin.co.in
OTHER SOLUTIONS

EzyNest

Housing Solution

MobiNest

Nestudio

Call 1800 345 8282
E-mail: nest-in@tatasteel.com
www.nestin.co.in