

# These eToilets Are Aiding PM Modi's Vision Of 'Clean India' And The Way Public Sanitation Works In India

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Reliance Foundation, as part Corporate Social Responsibility (CSR) initiative of Reliance Industries, recently launched an automatic eToilet for women with rest room at the Vashi bus depot.



eToilet at Vashi bust depot

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The 'smart she' eToilet is exclusively tailor made for women with a separate rest room attached to it. The rest room is equipped with chair, wash basin, mirror, and facilities for baby feeding, and diaper changing.

This is one of the 12 eToilets which have been opened in various parts of Navi Mumbai for the public usage by the Reliance Foundation.



Shankar Mahadevan and Juhi Chawla at the inauguration of the eToilet facility

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An eToilet is an unmanned electronic public toilet and is portable, hygienically maintained, and eco-friendly.

Manufactured by Trivandrum-based Eram Scientific, these eToilets offer sustainable sanitation by controlling entry, usage, cleaning, exit, and remote monitoring capabilities.

What makes these eToilets unique is their self-cleaning and water conservation mechanism. Once a user inserts a coin to open the door, its sensor-based light system gets automatically turned. It then directs the user with audio commands.



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To minimise the wastage of water, the toilets are programmed to flush 1.5 litre of water after three minutes of usage and 4.5 litres if the usage is longer.

This “smart” toilet also washes the platform by itself after every five or 10 persons use the toilet. An instructional note is pasted outside the toilet to make the user familiar with the functioning of this toilet.



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All eToilets are remotely monitored over a GPRS network. The health status of eToilets can be accessed over a web or mobile interface by the authorities, which ensures transparency and accountability of operations.

While the basic version costs Rs 2 lakh, the advanced version costs Rs.4-5 lakh.

Eram Scientific has now installed over 2000 eToilets across 21 states and have won over 43 awards and recognition.



TOI

Lack of public sanitation is a big problem in India. It is not just a matter of modesty, privacy, health and hygiene; more urgently, it is a matter of women's safety. When most of the people avoid using public toilets due to their bad conditions, this technology is bound to change the scenario of public sanitation in the country.