

Case Study 1

Clean water and Sanitation

Jal Jeevan Mission



Piped Water Supply to all rural households by 2024



Integrated demand & supply side management at local level

JAL JEEVAN MISSION



Coverage with other Central & State Government Schemes



Creation of local infrastructure & reuse of waste-water in Agriculture

Greater Mumbai, Nalasopara Slum Area

- ▶ This USWE is operated by local youth, for whom it is a source of income. It is a 500LPH plant. The water is sold at INR 20 (USD 0.3) for 20L. The source of raw water is private tankers supplying 10,000 liters for INR 1200-1800 (USD 18-27). The measured TDS for raw water is recorded as 835 and treated water is 90. The operators claim to sell 30 cans daily, which increases to 45cans per day in peak summers. They keep aside INR 700 (USD 10.5) for monthly maintenance, and earn around INR18,000 (USD 270). The station is well maintained and is providing safe drinking water to these communities throughout the year. This is a successful operator-based USWE model.



USWE in Rafiq Nagar Slum Run by Apnalaya NGO, Eureka Forbes, and Rotary Club of Bombay

- ▶ This USWE is operated and managed by 4-5 members of a women's Self-Help Group (SHG). It was launched on 30th June, 2015 and is catering to about 6,500 households in the area.
- ▶ About 100-200 cans are being sold at INR10 (USD 0.15) per day to walk-in customers.
- ▶ They have also introduced home delivery system with charges at INR 15 (USD 0.22). The station is clean, allows for can washing, and is well maintained by SHG members for whom the station is a means of livelihood. Since they received training on operations, the women are running these stations independently with ease.
- ▶ These stations have been found to be an operationally, technically, and financially sustainable model for the slum areas.

