

# STAINLESS STEEL PREFABRICATED MOBILE TOILETS

## JSL ARCHITECTURE LTD.

- **Background**

India is a burgeoning economy which is developing and growing every minute. The country is witnessing unprecedented change. Despite all things going right, the country is behind on basic issues such as giving its public access to basic amenities such as clean and hygienic toilets. Nearly 48% of India's population lack access to clean toilets and sanitation facilities. Affordable sanitary solutions are a must for the government's Clean India mission to be accomplished. This is where portable restrooms come in handy. Portable toilets are an efficient answer to making sure that people do not defecate in the open and thereby do not become agents that unwittingly add to the public health difficulties of the country. Innovative manufacturers of eco toilets in India have already tried out their experimental models in Kerala etc. with great success. These toilets are great solutions to our rising dilemma about flaying sanitation. They are not only self- sufficient and technologically advanced but also eco-friendly toilets which make sure that water and waste are managed efficiently.

**Jindal Stainless** focuses on helping the rising need for clean toilets by being one of the notable manufacturers of this product. Innovative eco-friendly toilets are to become part of the mission of constructing one toilet per household to promote not only general cleanliness but also encourage girls to not drop out of school. Their **Prefabricated and Portable toilets** are the answer for all portable sanitation needs, with modern and sleek designs made with the purpose to provide an extremely hygienic and comfortable environment.

- **Location, Date**

Odisha & Haryana, 2015

- **Areas**

Rural and Urban

- **Stage/Scale**

- Piloted in South Delhi Municipal School in Sultannagar locality of New Delhi
- Implemented in other areas

- **Objective of the assignment**

To promote general cleanliness along with reducing girls dropout rates from the schools.

- **What was done**

Providing an impetus to Government's Swachh Bharat Abhiyan, Jindal Architecture Ltd., a subsidiary of Jindal Stainless Ltd. has announced the introduction of economical, eco-friendly, durable and convenient stainless steel modular toilets, as part of its expanding product range. The 100% recyclable toilets are available in a range of single units and as community toilets of six and eight units, respectively. These toilets have the option of being upgraded to automated bio-toilets.

## • Impact

- They are the largest mobile toilet manufacturers. They specialize in building stainless steel toilets which are recyclable and 100% eco-friendly.
- More than 1,000 installations have already been made across the country, with some installations in remote and highly inaccessible tribal locations, in partnership with top companies and corporate houses both in private and public sector such as NDMC, MCD, BPCL, Honda, Maruti, Adani, SJVN and Hindustan Zinc.

## • Challenges and Issues

Funding was a challenge, but JSL works in partnership with top companies and corporate houses both in private and public sector.

## • Innovation

- More production friendly with minimum wastage
- Fitted with the latest technology such as water recycling, efficient waste disposal, and the use of solar and efficient design which enables them to take less space
- Eco friendly and 100% recyclable
- Competitive in pricing vis a vis Fibre/Plastic or brick and mortar toilets
- Completely Stainless Steel with PVD coated interiors
- Completely Modular in Design can be transported in knock down condition and can be assembled at site in minimum time to save transportation cost.
- Can be upgraded to a fully Automated Bio – Toilet
- Ideal for outdoor atmosphere as Stainless Steel is not subjected to variant weather conditions (resistant to water corrosion and microbial growth)



## • Lessons learnt

JSL has demonstrated its diverse capacities. It has developed world class toilets at very reasonable cost and it is taking those toilets to communities through its CSR focus and by establishing partnerships.

## • Financials

A single unit toilet costs about INR 99, 999 rupees onwards, while, the community toilets having six units starting from INR 3.99 lakh and the eight units model from INR 4.99 lakh. The disposal tanks cost about INR 59, 000 per unit.

- **Economic sustainability/Revenue Model**

- Most portable toilets are made out of stainless steel making them less expensive when compared to other material such as wood or brick and mortar. They also cost less because they are modular in nature and come fully fitted. This leads to less investment on-site.
- While JSL has taken its innovation to the communities in the areas it has its own operations through its CSR focus, it is establishing with partnership with diverse corporate houses and stakeholders to install stainless steel modular toilets in different parts of India.

- **Implementer Contact Persons**

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- **Sources and References**

- Company Website
- <https://jslarc.wordpress.com/>
- Business of Change: Corporates in Sanitation, ISC