

17. E-TOILETS – SOLAPUR

“Solapur: clean, efficient and progressive”

– Vision of Solapur, as expressed in its Smart City Proposal (SCP)

CONTEXT

Solapur having a population of 951,558 (according to the 2011 census) is one of the major cities of Maharashtra. It is a textile and bidi-manufacturing hub and attracts a sizeable number of visitors for business/ commercial purposes. The city is also of religious importance with more than five lakh pilgrims visiting the Siddheshwar Temple, every year. However the city does not have adequate public conveniences facility for the large visiting/ floating population of the city. It has also been noticed that the hygiene routine with respect to usage of public toilets is poor.

THE INTERVENTION

Project description

Considering the need for enhanced/ sustained public convenience, especially for visitors/ floating population, Solapur has installed E-Toilets.

E-Toilet (or electronic toilet system) in Solapur, are unmanned, automated/ self-cleaning toilets having remote monitoring facility. The E-Toilets deploy integrating electrical, mechanical and web-mobile technologies.

The E-Toilets are made of steel, are pre-fabricated and are modular in design. These toilets have attached bio-digesters.

The toilet having features for electronic control with respect to upkeep/ hygiene of the toilet facility. The features of the E-Toilet include: (a) display and instruction boards, (b) access based on water availability in the toilet unit, (c) automatic pre-flush and after-use flushes, (d) automatic toilet platform/ floor cleaning mechanism, and (e) real-time electronic monitoring of toilet usage and upkeep of toilet facility.

The project is scheduled to complete by 25 June 2017.

Key outputs/ outcomes

E-Toilets at 8 out of 10 locations in ABD area have been installed and are being used being by the public.

Impacts

The E-Toilets has started contributing to cleanliness and hygiene in the city. Availability of E-Toilets has also reduce open urination in the ABD area of the city.

Support and mobilized resources

The project is being implemented on DBFOT (Design Build, Finance Operate and Transfer) model wherein the implementing agency is funding and operate all the e-toilets and is retaining the user charges and the revenue from the advertisements on the panel of the e-toilets. The implementing agency will be responsible for operation and maintenance for five years. At the end of this period, the implementing agency will be required to transfer the assets to Solapur City Development Corporation Limited (SCDCL).



E-Toilets in Solapur