



D.O. No. 15/04/SJ/2015-SBM

Dated 31st December, 2015

Dear Sir/Madam,

To ensure long term sustainability of the sanitation infrastructure in individual households, community and public environments, Ministry of Urban Development is actively evaluating innovative and affordable sanitation technologies, in collaboration with various technology providers, academia and city authorities. One such solution is, **Waterless Urinals**, which once fitted can extensively reduce fresh water requirements, while offering other benefits including odorless infrastructure and low maintenance costs.

2. In this regard, I would like to introduce Ekam Eco Solutions, an IIT Delhi incubated startup working in the domain of water and sustainable sanitation. Ekam Eco Solutions was resident in IIT Delhi's Technology Business Incubator from 2012 to 2015 and IIT Delhi continues to hold shareholding in Ekam Eco Solutions. Ekam has acquired exclusive IPR (Intellectual Property Rights) for **Zerodor Waterless Urinals** from IIT Delhi to disseminate this innovative technology into the markets. Zerodor can be easily retrofitted in to the existing urinals (IS 2963:1979). Each installation of Zerodor can save around 50,000 to 150,000 lts of fresh water per annum; wasted in flushing. Zerodor has been successfully implemented at several corporate houses, academic institutions, public facilities, schools, colleges and hospitals and the user feedback shows very high level of satisfaction.

3. Ministry of Urban Development has already initiated a Zerodor pilots in Delhi and Andhra Pradesh and would recommend that similar pilots be executed in your respective city to ensure a large-scale evaluation of waterless urinal solutions in a versatile Indian context. As a start, a pilot comprising 20 units in 2-3 public locations may be executed. The one-time cost of this pilot is estimated at around Rs. 85,000 and can be funded from the Capacity Building component available with each city under the Swachh Bharat Mission.

4. The Technical brochure of Zerodor Technology is attached herewith for your reference. Further, Mr. Uttam Banerjee (+91-9999807207) or Mr. Devendra (+91-9643322806 / +91-9711363377) can be reached for further consultation and next steps.

We look forward to your support in this endeavor, so that collectively we can take a deterministic step towards making our cities 'Open Defecation Free' and ensure long term sustainability of hygienic sanitation practices and infrastructure by leveraging new and affordable technologies.

With Regards,

Yours Sincerely,



(Praveen Prakash)

To:

All State Mission Directors/ Municipal Commissioners of 53 million plus population cities and other state capitals

Copy To:

JS (ST)
CPHEEO