

IHUWASH

Innovation Hub for Urban Water, Sanitation and Hygiene Solutions

Catalyzing Innovative Urban WASH Solutions

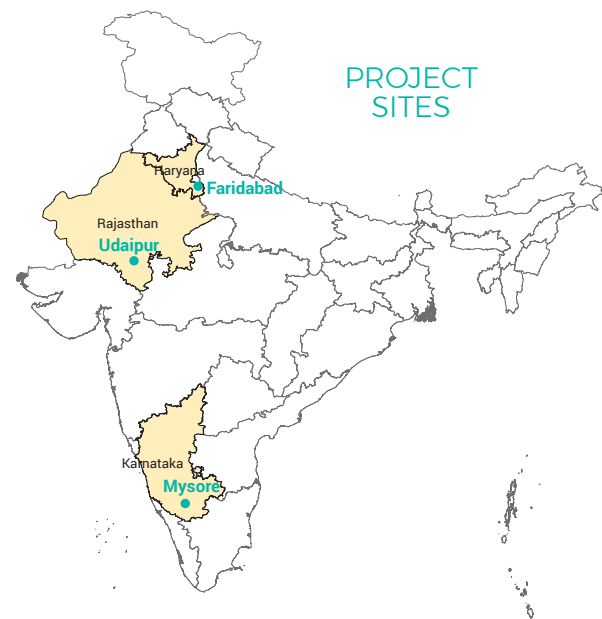
THE PROBLEM

India has an urban population of 377 million and is expected to grow to 590 million by 2030. Increased urbanization has been pressurizing the country's urban water and sanitation infrastructure and thus creating roadblocks in improving service levels. As per the latest NSSO report, only 56% of urban households have access to piped water in their house or plot and close to 33% of urban households still rely on public taps or tube/bore wells. When it comes to sanitation, India accounts for 600 million out of the 1 billion people worldwide who defecate in the open – including 12% of urban households. A majority of these underserved families live in slums and other low-income settlements in fragmented pockets across cities.

Critical issues that hinder service delivery are a lack of capacity, innovative and sustainable solutions, evidenced knowledge, and partnerships (within the government and non-government systems, and the private sector). The service delivery deficit impacts India's urban population, particularly, the growing number of urban poor. The rapid pace of urbanization growing at an annual growth rate of 2.1% further compounds this problem and sustainability of water and sanitation services are expected to be affected even more severely in future. Therefore, the urban WASH sector needs urgent attention.

THE NEED: A COLLABORATIVE APPROACH FOR SUSTAINABLE AND SCALABLE WASH INNOVATIONS

To expand and scale, conventional WASH infrastructure and services would need support from innovative technology



and business solutions. Technologies, which can unlock the constraints of space, water resources and energy requirements; business solutions, which can overcome the issue of inadequate cost recovery from user charges and can bring improved quality and efficiency. However, innovations to sustain and fructify would require collaborative support from all stakeholders – government, private sector, academia, community, and innovators.

THE SOLUTION: INNOVATION HUB FOR URBAN WATER, SANITATION AND HYGIENE

IHUWASH is a collaborative initiative of the National Institute of Urban Affairs (NIUA), TARU Leading Edge, IRC and Ennovent. The three year project is supported by the United States Agency for International Development (USAID) and aims to improve the performance of urban WASH programs within a collaborative framework. It works through incubation and acceleration of innovative, scalable, community and market-based solutions using technologies, programs and service-delivery models.

Under IHUWASH, sustainable national and city-level **Innovation Hubs** are established to work closely with national level WASH stakeholders and with the administration of **Faridabad, Udaipur** and **Mysore** cities. These **Hubs** focus on identifying national and city level WASH issues and address them by contextualizing, testing and scaling effective, affordable and sustainable innovations, sourced at the national and international level.

India houses 11% of the world's total urban population and 43% of urban population that defecates in the open.

More than 80% of the sewage remains untreated in India

30 million urban households rely on untreated water supply in India

WATER



SANITATION

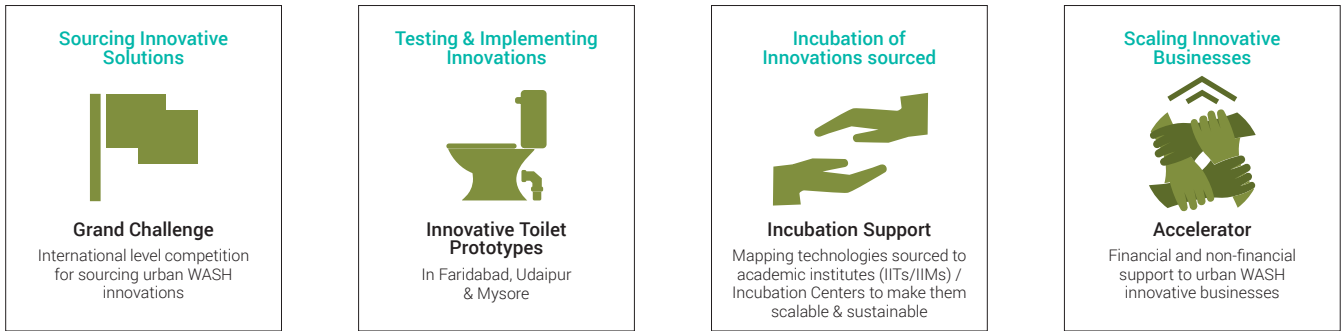


HYGIENE



THE IHUWASH BUILDING BLOCKS

IHUWASH to source, support, test & implement innovative urban WASH technologies and business solutions



Develop collaborative operating models for stakeholder engagement

Knowledge Dissemination



BUSINESSES AND IHUWASH PARTNERSHIP FOR URBAN WASH SOLUTIONS



IHUWASH: Bringing Stakeholders Together

Supported by



Lead Implementing Partner



Implementing Partners



Strategic Partners



City Partners



For more details, contact: Prof. Jagan Shah, Project Director
Email: director@niua.org ; wash@niua.org, Phone: +91-11-24643576