IHUWASH
Innovation Hub for Urban Water, Sanitation and Hygiene (IHUWASH) is a 3-year program supported by USAID and implemented by NIUA in partnership with Ennovent to conserve WASH ecosystem and improve urban WASH sector performance through incubation and acceleration of innovative solution and technologies.

About Udaipur city
Udaipur, the City of Lakes, has an interconnected lake system to regenerate of ground water and regulate the climatic conditions. Fateh Sagar, Jaisamand, Pichola, Badi and Doodh Talai lakes supply water to this city and adjoining areas. Udaipur, by its location in a hilly terrain and with limited space in the old city, has its unique set of WASH challenges.

451,110 people reside in Udaipur city as per Census 2011

64 sq. km. The city area covered by Udaipur Municipal Corporation

WASH Facts
# 137 Cleanliness ranking during Swachhta Survekshan 2019

ODF++ Udaipur declared ODF++ in Sep’19

60 public/community toilets in the city

88 MLD water supplied to the city

WASH Innovations Lab
WASH Lab is a city based technical institution established by IHUWASH to support the municipal corporations to plan, design, and execute innovative WASH solutions. It conducts action research, capacity building activities, trainings, and advocacy efforts with the citizens. It engages private sector and citizen engagement in addressing WASH challenges through the WASH Forum.

In Udaipur, the WASH Lab is established in the Geetanjali Institute of Technical Studies (GITS).

Innovations from Accelerator Program
Squat Ease
Udaipur Municipal Corporation has adopted SquatEase toilet pans for use in one public toilet at Gavardhan Vilas and one community toilet at Lal Magri Kachi Basti constructed under Swachh Bharat Mission.

SquatEase Toilet Pan – a disabled friendly, unidirectional inclined toilet pan to eliminate improper usage of community toilets – is one of the shortlisted innovations from the Accelerator program.

Model Sanitation Facility Support
IHUWASH is working with the Udaipur Municipal Corporation to construct innovative public and community toilet prototypes that will be customised to local geo-climatic needs, cultural conditions and be inclusive of the requirements of women, children, elderly and the differently-abled.

The two model public sanitation facilities, with enhanced sanitation features, have been built at Gavardhan Vilas and Lal Magri Kachi Basti with IHUWASH recommended design.

Key performance indicators

1176 city officials and stakeholders sensitized on innovations in WASH

33 city officials and stakeholders trained on innovative WASH practices

1 innovative idea successfully integrated in public toilets/community toilets

2,300 beneficiaries accessed basic/improved sanitation facilities supported by IHUWASH
IHUWASH in Udaipur

August 2017
MoU with Indian Institute of Management, Udaipur (IIMU) to establish an incubation center

April 2017
Memorandum of Understanding (MoU) between NIUA and Udaipur Municipal Corporation (UMC)

November 2017
Memorandum of Understanding with Udaipur Chamber of Commerce and Industry (UCCI) WASH Lab established in Geetaanjali Institute of Technical Studies (GITS) through a tripartite agreement between NIUA, UMC and GITS

August 2018
Assessment Workshop and Sanitation Business Conclave - to explain the role of WASH Lab and to map the WASH issues faced by the city

October 2018
Over 550 students sensitized on importance of water, sanitation and hygiene on Global Handwashing Day

December 2018
Capacity Building exercise for government officials on Application of Geographic Information System (GIS) Tools in Water Supply & Sewerage System Management - QGIS - to provide WASH related solutions

April 2019
Three day follow up GIS training on ArcGIS 10.3 organised for five UMC officials to map public sanitation facility in Udaipur

May 2019
900 female sanitation workers and 100 SHG members sensitized on menstrual hygiene and good menstrual management practices on occasion of Menstrual Hygiene Day

June 2019
WASH Forum initiated with 5 members from UMC, WASH Chair, Health Officer and people from NGOs
Model public toilet with advanced features at Gavernthi Vivas market inaugurated

September 2019
Udaipur declared ODF++ status

IHUWASH Publications

Compendium of WASH Innovations in India
A compilation of innovations that applied to the IHUWASH Accelerator in January 2018. The innovations are listed based on their respective sectors - water, sanitation and then hygiene.

5 Innovative WASH Solutions for an Inclusive Urban India
A collection of five case studies on water, sanitation and hygiene to sensitize stakeholders and bring to the fore, innovative and simplified WASH solutions that have significantly benefitted urban India.

Innovative Toilet Concepts for Urban India
Innovative community and public toilet prototypes were documented to provide guidance for further adoption and scaling up in a handbook called innovative Toilet Concepts for Urban India.

WASH Economy Report
The project analysed the size of the WASH economy and the magnitude of the business that it generates. The report was published in 2018 highlighting WASH related economic activities in Udaipur. The report also focuses on formal and informal livelihood opportunities in the WASH sector.

For more details, contact:
Shri. Hitesh Vaidya, Project Director
email: director@niua.org
phone: +91-11-24643576

Disclaimer: This publication is made possible by the support of the American People through the United States Agency for International Development (USAID). The contents of this publication are the sole responsibility of NIUA and its partners and do not necessarily reflect the views of USAID or the United States Government.