



Skill Development in Fecal Sludge and Septage Management (FSSM) sector in Indian Towns and Cities: Phase 2

Year 4, Quarter -2: October 2023 to December 2023

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Implemented by: Water, Sanitation and Hygiene Institute (WASH Institute)



1. PROJECT OVERVIEW/SUMMARY

Program Name:	Skill Development in Fecal Sludge and Septage Management (FSSM) sector in Indian Towns and Cities
Activity Start Date and End Date:	3 rd July 2023 to 3 rd January 2025
Name of Prime Implementing Partner:	Water, Sanitation and Hygiene Institute (WASH Institute), New Delhi
Contract/Agreement Number:	72038620CA00010
Name of Subcontractors/ Sub awardees:	None
Major Counterpart Organizations	BMGF, HCL Foundation, ITC Limited and CPHEEO (MoHUA, GoI)
Geographic Coverage (cities and or countries)	Pan-India
Reporting Period:	October 2023 to December 2023

ACRONYMS AND ABBREVIATIONS

AMRUT	Atal Mission for Rejuvenation and Urban Transformation
ATI	Administrative Training Institute
BIPARD	Bihar Institute of Public Administration and Rural Development
BMGF	Bill & Melinda Gates Foundation
CAWST	Centre for Affordable Water and Sanitation Technology
CDD Society	Consortium for DEWATS Dissemination Society
CFAR	Centre for Advocacy and Research
CPHEEO	Central Public Health and Environmental Engineering Organisation
CSAP	City Sanitation Action Plan
CSE	Centre for Science and Environment
CSR	Corporate Social Responsibility
CMMU	City Mission Management Unit
DPRs	Detailed Project Reports
EY	Ernst & Young
ESCI	Engineering Staff College of India
ERSU	Emergency Response Sanitation Unit
FCRA	Foreign Contribution (Regulation) Act
FSSM	Fecal Sludge and Septage Management
FSTP	Fecal Sludge Treatment Plant
GOI	Government of India
HCL Foundation	Hindustan Computers Limited Foundation
IIT	Indian Institute of Technology
ITC Limited	Imperial Tobacco of Company India Limited
IWA	International Water Association
JJM	Jal Jeevan Mission
KILA	Kerala Institute of Local Administration
LMS	Learning Management System
LWM	Liquid Waste Management
MEL	Monitoring, Evaluation and Learning
MKU	Madurai Kamaraj University
MoHUA	Ministry of Housing and Urban Affairs
MOOCs	Massive Open Online Courses
MoU	Memorandum of Understanding
MTU	Mobile Treatment Unit
MUDA	Manipur Urban Development Agency
NFSSM	National Fecal Sludge and Septage Management
NGOs	Non-Government Organizations
NIUA	National Institute of Urban Affairs
NMCG	National Mission for Clean Ganga
NSATI	Netaji Subhas Administrative Training Institute

NSDC	National Skill Development Corporation
NSQF	National Skill Qualification Framework
NSS	Non-Sewered Sanitation
OSS	On-Site Sanitation
OSSI	Office of Social Sector Initiative
OWSSB	Orissa Water Supply & Sewerage Board
PG	Postgraduate
PMU	Project Management Unit
PPE	Personal Protective Equipment
PSI	Population Services International
RCUES	Regional Centre for Urban & Environmental Studies
RFP	Request for Proposal
RPL	Recognition of Prior Learning
SBM	Swachh Bharat Mission
SCORM	Shareable Content Object Reference Model
SCGJ	Sector Council for Green Jobs
SeTPs	Septage Treatment Plants
SFD	Shit Flow Diagram
SHG	Self Help Group
SIPRD	State Institute of Panchayat & Rural Development
SKP	Swachhata Knowledge Partner
SLIEM	Salt Lake Institute of Engineering and Management
SMMU	State Mission Management Unit
SSC	Sector Skill Council
STP	Sewage Treatment Plant
SUDA	State Urban Development Agency
TC	Training Centre
TNUIFSL	Tamil Nadu Urban Infrastructure Financial Services Limited
ToT	Training of Trainer
TRP	Technical Resource Person
TWAD Board	Tamil Nadu Water Supply and Drainage Board
UAoA	Uttarakhand Academy of Administration
ULBs	Urban Local Bodies
UMC	Urban Management Centre
UNICEF	United Nations Children's Fund
UNOPS	United Nations Office for Project Services
USAID	United States Agency for International Development
WASH Academy	Water, Sanitation and Hygiene Academy
WASH Institute	Water, Sanitation and Hygiene Institute
WWM	Wastewater Management
WWQM	Water & Wastewater Quality Management

1.1 Project Rationale

Over 48% of urban households in India depend on On-Site Sanitation (OSS) facilities; only 32.7% of households (Census 2011) are connected to sewerage networks, and the rest are all on OSS systems. India has faced a period of sharp urbanization, growing from 19.9% of the population residing in urban areas in 1970 to 31.2% in 2011. This population is expected to continue to climb from 410 million (2014) to 840 million (2050). Water and sanitation infrastructure facilities available in India are already stressed and this increase in urban population along with economic growth has severely aggravated the issue. Under the Swachh Bharat Mission (SBM) efforts to eliminate open defecation in India, most of the households have obtained access to toilets mostly through OSS systems. Since, the majority of the households have OSS systems and as there is no treatment facilities in the majority of towns/cities, the desludged septage from the OSS systems is often dumped in an open environment, especially in water bodies.

In the past few years, there has been considerable attention from non-Governmental and certain think tanks within the Government to recognize the importance of managing this fecal sludge. This has led to significant momentum in terms of the Government rolling out programs and funding support for implementing Fecal Sludge and Septage Management (FSSM) infrastructure. However, there are no mainstream programs or initiatives yet that assess and build the capacities of decision-makers and implementing personnel at the ground level. Many Government staff working with urban local bodies are still unaware of the realm of FSSM and its approaches. Therefore, to realize the success of FSSM programs and initiatives, these Government and other implementation-related stakeholders must be made capable of understanding, planning and delivering better services to citizens.

In addition to strengthening the demand side, the supply side also needs enhancement in its capacity to appraise the opportunities and intricacies of fecal sludge management. Thus, becoming an effective partner along with the Government in FSSM or wastewater-related service delivery.

The capacity building program titled “Skill Development in Fecal Sludge and Septage Management (FSSM) sector in Indian towns and cities” commenced on 3 July 2020, with Water Sanitation and Hygiene Institute (WASH Institute) being the implementing agency and USAID as the funding partner. The implementation of the project's first phase (3rd July 2020-2nd July 2023) has been completed, and the extension period has commenced (3rd July 2023-3rd Jan 2025). As part of the first phase of the project, WASH Institute was able to build the capacities of 8238 stakeholders including 1920 sanitation workers, 4860 Govt. officials, 251 NGO representatives, 318 STP/FSTP operators, 80 private enterprise representatives, 440 academicians and other stakeholders.

For the extension period, all the learnings and challenges from the previous phase were taken into consideration to develop implementation strategies. The primary goal of the extension period is to build a skilled sanitation workforce to address the demand in Fecal Sludge and Septage Management (FSSM) sector in Indian towns & cities. To achieve this, orientation, training, capacity building, technical handholding support, and development of e-modules for learning and exposure visits of various relevant stakeholders will be undertaken to enhance FSSM service delivery and wastewater Management across Indian towns & cities. Moreover, in this phase, handholding support will be provided to states (especially Kerala), more workshops (regional, state, and national) will be conducted, a cadre of master trainers will be created, e-modules will be developed, studies will be conducted on hilly regions etc.

1.2 Project Description / Introduction

The “Skill Development in Fecal Sludge and Septage Management (FSSM) in India”, project aims to increase the number of skilled professionals in the Water, Sanitation, and Hygiene sector at state, city and town levels across India and enhance access to people in safely managed disposal services through FSSM. To achieve this, WASH Institute is conducting various capacity building trainings/certificate courses on FSSM across the country through classroom training/ online training.

The overall outcome of the Capacity Building program is envisaged to be that Urban Local Bodies (ULBs) will efficiently address FSSM issues in their cities and will use data-driven planning execution and management of WASH delivery through the creation of a knowledge management database. The capacity-building initiatives are targeted to support activities as envisaged to address the knowledge gap in the sector. The key objectives of the project are as follows:

1. Overall Improvement in the knowledge and skill set of the Government Officers/Engineers/Sanitary Inspectors/NGO professionals and Sanitary workers on FSSM and Wastewater management.
2. To establish a supportive and capacitated environment for the delivery of 100% coverage of FSSM across Indian towns and cities through mainstreaming of Non-Sewered Sanitation Treatment Technologies.
3. To establish platforms for continuous learning, re-learning and cross-learning by beneficiaries.
4. To create a pool of fully capacitated and skilled youth to manage the FSSM and related infrastructure.
5. To make cities inclusive with sanitation-related infrastructure and services.
6. To strengthen institutions for WASH service delivery.
7. To create a cadre of skilled Master Trainers on FSSM & WWM to carry out sustained trainings throughout the towns and cities of the country.
8. To ensure gender balance, equity and inclusivity, and promote higher women and other non-binary gender participation and acceptance in the Sanitation & FSSM workforce.

2. ACTIVITY IMPLEMENTATION PROGRESS

2.1 Progress Narrative

The narrative below details the progress made by the project during the 2nd quarter of its second phase (extension 3rd Jul 2023-3rd Jan 2025). The project has continued to undertake trainings, supplementing the national programs on Usedwater and FSSM – namely SBM-U 2.0 and AMRUT 2.0, creating a cadre of skilled Master Trainers and providing technical handholding support. Trainings were held to facilitate and support the Govt. officials and discuss technical options with the ULBs for preparation of the City Sanitation Action Plan (CSAP) followed up by DPR preparations to efficiently manage used water, focusing on FSSM. In this quarter, 761 stakeholders, including 371 government officials, 198 sanitation workers, 112 NGO personnel, 24 private organization personnel, and 47 academicians were trained. These stakeholders were trained from 8 new ULBs in Uttarakhand, Uttar Pradesh, Tamil Nadu and Kerala.

National Workshops: Water Sanitation and Hygiene Institute (WASH Institute) conducted two National level workshops in Chennai with the guidance and support of the Ministry of Housing and Urban Affairs (MoHUA) and the Government of Tamil Nadu.

A First two-day National workshop focused on SBM 2.0 implementation in 14 towns across 10 states, emphasizing thematic areas like Toilet 2.0, Man-hole to Machine-hole, and Used Water Management. Attended by high-level government officials and 78 representatives, including key functionaries, the workshop aimed to assess the status of SBM 2.0 (U) implementation, understand the significance of town initiatives and clarify roles and components.

The second National Workshop was conducted during World Toilet Day which brought together 223 participants across 27 states and 6 union territories. The workshop was inaugurated by, Roopa Mishra (Joint Secretary, SBM-U), Dr. J.Radhakrishnan (Commissioner, Greater Chennai Corporation, GoTN), D Kartikeyan (Principal Secretary, GoTN) and Dr Madu Rani Teotia (Director SBM-Urban). The workshop entailed experts and officials addressing critical aspects of sanitation infrastructure and management. Discussions covered financing, ideal toilet models, sanitation principles, and innovative approaches.

Advanced Trainings for Govt. Officials:

WASH Institute, in collaboration with Suchitwa Mission, Kerala, UNICEF, and USAID support, continued its focus on Used Water Management, particularly FSM, in Kerala. A 4-day advanced training was conducted in Dindigul on preparing and evaluating DPR for liquid waste management (LWM) projects. The training involved 34 government officials, including LWM Directors, District Coordinators, Experts/Engineers, and Young Professionals from Suchitwa Mission. Participants found the training extremely informative and essential for their roles. Another batch of training was conducted in collaboration with AMRUT 2.0 Kerala. The training marked a milestone by conducting an Advanced Training on preparing Detailed Project Reports (DPR) for Sewage and Septage Projects in the region.

A one-day State Level Consultative workshop focused on Grey Water Management Projects with the support of Suchitwa Mission Kerala. With the support of Mavelikara Municipality, WASH Institute successfully organized a comprehensive training session for its CT/PT (Community Toilet and Public Toilet) operators using the Learning Management System.

WASH Institute, in collaboration with the Centre for Good Governance, Uttarakhand, organized a 3-day workshop to finalize City Sanitation Action Plans (CSAP) for 14 Urban Local Bodies (ULBs) under Swachh Bharat Mission 2.0. The workshop aimed to guide representatives from ULBs, Jal Sansthan, and Pey Jal Nigam in completing Annexure 3B details OF CSAP, with 27 officials participating and successfully completing CSAPs for 13 ULBs

WASH Institute In collaboration with the Directorate of Urban Local Bodies, Uttar Pradesh, conducted a two-day Consultative meeting with officials from UP-Jal Nigam and ULB officials on DPR preparation for UWM collaboration with the Directorate of Urban Local Bodies, Uttar Pradesh. A total of 11 officials participated and 4 DPRs were finalized and submitted to the state government.

WASH Institute in collaboration with UNICEF India and Dindigul district administration, under SBM, continued its efforts and conducted 3 more batches of one-day trainings for Thooimai Kavalari/ Sanitation workers of the 4 blocks of Dindigul district, Tamil Nadu (till now a total of 5 batches have been trained). Four Master trainers from the previous batch conducted the training for these batches.

International Exposure Visit Conducted:

WASH Institute organized an international exposure visit to the IWA NSS conference 2023 in Johannesburg, bringing key government officials from Kerala to explore best practices in used water management. The visit aimed to gather fresh ideas and solutions to address local challenges. Participants engaged in various sessions and poster presentations, gaining insights into topics like "Emptying Value Chain," "Sanitation Journey of India," and "Green Hydrogen Production from Wastewater Electrolysis." The WASHi team also presented papers on the "Sanitation journey of India and technologies involved" and "E-Learning Management System for capacity building in FSSM and UWM in India," contributing to the global understanding of used water management challenges.

The details of the activities carried out in this quarter are listed under their respective headings:

Recruitment and Staff attrition

In this reporting quarter, there were no changes in the project team.

Learning Management system (LMS)

Customized Online Training Module Built-in Vernacular Languages and Trainings Conducted: WASH Institute, with the support of USAID, in collaboration with Toilet Board Coalition (TBC) has developed an online training module for CT/PT operators in Malayalam, Odia, Tamil, Telugu & Assamese. The module in Malayalam was launched officially on 4th November 2023 in the presence of Executive Director, Suchitwa Mission, Shri. K. T. Balabhaskaran. This module will be promoted by Suchitwa Mission (Government of Kerala) for ULBs to train their CT/PT operators, throughout the state.

The first training was conducted in collaboration with Mavelikara Municipality and has been successful in delivering a comprehensive training session for their CT/PT (Community Toilet and Public Toilet) operators to assist them in understanding their roles and responsibilities and enhance their skill sets for more efficient CT/PT operations. 10 operators participated in this training. The CT/PT course on the WASHi Learning Management System (LMS) utilized various engaging tools, including videos, reading materials with pictures, and quizzes, fostering an effective and interactive learning experience.

Delivery of trainings

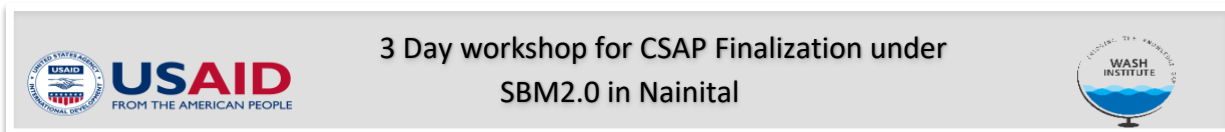
During this quarter the following trainings were undertaken and delivered. A detailed report on each of the trainings conducted is listed in [Annexure 1](#).

Short Term Trainings

1. 3-day workshop to finalise the City Sanitation Action Plan (CSAP) under SBM 2, Nainital, Uttarakhand (9-11 October, 2023):

WASH Institute in collaboration with the Centre for Good Governance, Uttarakhand conducted a 3-day workshop to finalize the City Sanitation Action Plan (CSAP) under Swachh Bharat Mission 2.0 operational guidelines of 14 ULBs.

The main objective of this workshop was to handhold the representative from Urban Local Body, Jal Sansthan, and Pey Jal Nigam in preparing and filling in the details of Annexure 3B for the City Sanitation Action Plan (CSAP) of their respective towns. 14 ULBs participated in the program, and were able to prepare their respective CSAPs. The training encompassed key aspects of Used water Management, SBM 2.0 guidelines, operations and management, assessment of gaps in infrastructure, finance and funding, and developing the UWM strategy for their respective towns. The key participants included executive officers and representatives from Pey Jal Nigam and Jal Sanstha. A total of 27 officials participated in this workshop.



2. Training for Safety & Dignity of Sanitation Workers, Dindigul, Tamil Nadu, 14 October, 2023 (Batch 3):

WASH Institute in collaboration with UNICEF India and Dindigul district administration, under the Swachh Bharat Mission, conducted a one-day training for Thooimai Kavalari/ Sanitation workers of the Reddiarchatram block of Dindigul district, Tamil Nadu. The training was conducted on 14th October 2023. The training aimed to train the sanitation workers on the importance of solid and liquid waste management, demonstrated the essential components of first aid, usage of personal protective

equipment (PPE), and explanation of national and state schemes to ensure the safety and dignity of sanitation workers. A total of 76 participants attended the training.



3. 3 Day Training on Non-Sewered Sanitation in achieving SBM 2.0, SRM University, Chennai (19–21 October, 2023):

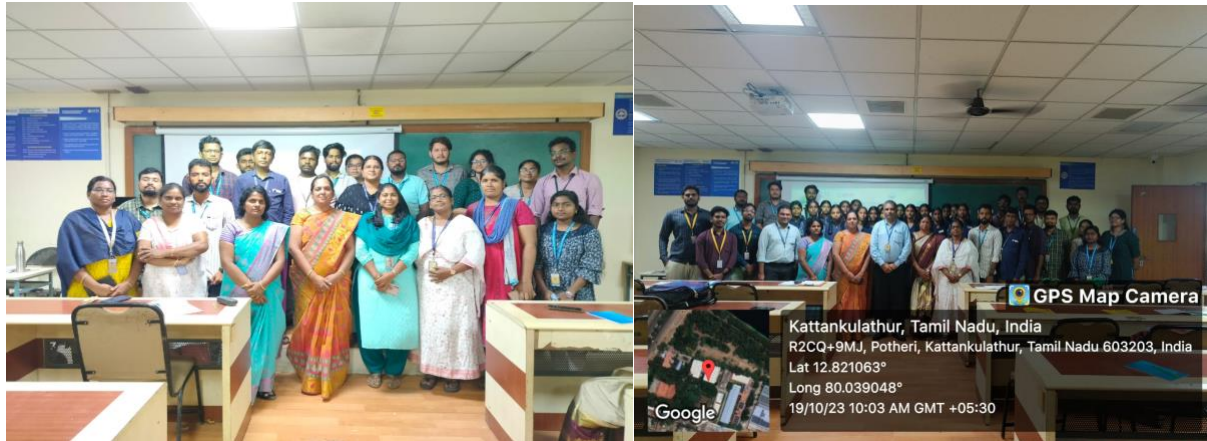
WASH Institute in collaboration with SRM University, Chennai, Tamil Nadu conducted a 3-day workshop on Non-Sewered Sanitation in achieving SBM 2.0. The program was conducted between 19th–21st October 2023 at SRM University, Chennai and a total of 45 participants comprising of B.Tech Civil Engineering, M.Tech Environmental Engineering and School students attended this workshop.

The key focus areas of the training include a detailed discussion on SBM 2.0 guidelines with a focus on Fecal Sludge Management, Public health, and inclusive sanitation, DEWATS etc. A field exposure visit to the relevant Fecal Sludge Treatment Plant at Karunguzhi within the state was also arranged for the participants. This workshop aims to increase the number of skilled professionals in the Water, Sanitation and Hygiene sectors across India and enhance access to people in safely managed disposal services through FSSM.



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3 Days Workshop on Non Sewered Sanitation in achieving SBM 2.0



4. Training for Safety & Dignity of Sanitation Workers, Tamil Nadu, Dindigul, WASH Institute, 4 November, 2023 (Batch 4):

WASH Institute in collaboration with UNICEF India and Dindigul district administration, under the Swachh Bharat Mission, conducted a one-day training for *Thooimai Kavalari*/ Sanitation workers of the Reddiarchatram block of Dindigul district, Tamil Nadu. The training was conducted on 4th November 2023. The training aimed to train the sanitation workers on the importance of solid and liquid waste management, demonstrated the essential components of first aid, usage of personal protective equipment (PPE), and explanation of national and state schemes to ensure the safety and dignity of sanitation workers. A total of 61 participants attended the training.



5. One-Day Training for CT/PT operators on E-learning Modules at Mavelikara ULB, Mavelikara Municipality, Kerala (9 November 2023):

WASH Institute in collaboration with Mavelikara Municipality, successfully organized a comprehensive training session for its CT/PT (Community Toilet and Public Toilet) operators. The training was conducted on the 9th November 2023.

The workshop aimed to empower operators with the knowledge and skills necessary to fulfil their roles effectively. The training comprised modules specifically designed to assist CT/PT operators in understanding their roles and responsibilities and enhance their skill sets for more efficient CT/PT operation. The CT/PT course on the WASHi Learning Management System (LMS) utilized various engaging tools, including videos, reading materials with pictures, and quizzes, fostering an effective and interactive learning experience. The active participation of ULB officials, including the Chairman, Health Standing Committee Chairman, and Health Supervisor, underscored the importance of the training. Certificates were distributed to participants upon the successful completion of the course, recognising their commitment to professional development and the enhancement of CT/PT operations.



6. Advanced training on preparation and evaluation of Detailed Project Reports (DPR) in LWM for Suchitwa Mission, Dindigul (5-8 December 2023):

WASH Institute in collaboration with Suchitwa Mission, Kerala and UNICEF and with the support of USAID, conducted a 4-day advanced training on the preparation and evaluation of DPR in liquid waste management projects in Dindigul. The participants for the training comprised of LWM Director, District Coordinators, LWM Experts/Engineers, and Young Professionals from Suchitwa Mission, Kerala. The training commenced with an introductory session and setting the stage for the participants through an ice-breaking activity. A pre and post-test was conducted, revealing an average score of 54% and 77% respectively, indicating improvement in the baseline knowledge of the attendees. A total of 35 people participated in this training.



Advanced training in preparation and evaluation of Detailed Project Reports (DPR) in LWM



7. Training for Safety & Dignity of Sanitation Workers, Tamil Nadu, Dindigul, WASH Institute, 9 December, 2023 (Batch 5):

WASH Institute in collaboration with UNICEF India and Dindigul district administration, under the Swachh Bharat Mission, conducted a one-day training for *Thooimai Kavalari*/ Sanitation workers of the Reddiarchatram block of Dindigul district, Tamil Nadu. The training was conducted on 9th December 2023. The training aimed to train the sanitation workers on the importance of solid and liquid waste management, demonstrated the essential components of first aid, usage of personal protective equipment (PPE), and explanation of national and state schemes to ensure the safety and dignity of sanitation workers. A total of 61 participants attended the training.



Training for Safety & Dignity of Sanitation Workers Tamil Nadu





8. 5-Day Advance Training on Preparation of DPR for Sewage & Septage Projects for AMRUT 2.0, Kerala, Dindigul (11-15 December 2023):

WASH Institute with the support of the USAID, in collaboration with AMRUT 2.0 Kerala and the support of USAID, achieved a significant milestone by hosting a highly successful Advanced Training on the Preparation of Detailed Project Reports (DPR) specifically tailored for Sewage and Septage Projects. This specialized training program catered to the officials of AMRUT Kerala and took place from 11th-15th December at the WASH Institute in Dindigul. The collaborative effort aimed at enhancing the knowledge and skills of the participants, contributing to the effective planning and implementation of sewage and septage projects in the region.

The training was designed with the primary objective of enriching participants' knowledge and expertise in preparing and reviewing Detailed Project Reports (DPR) for Sewage and Septage Projects, specifically focusing on Sewer networks and the implementation of Sewage Treatment Plants (STPs) and Faecal Sludge Treatment Plants (FSTPs) in AMRUT cities. The training sessions were not only informative but also practical, featuring hands-on activities such as the evaluation of DPRs, analysis of case studies, and the use of checklists for reviewing DPRs. Furthermore, participants gained valuable field experience through a practical session focused on assessing a functional STP and FSTP. This multifaceted approach aimed to equip officials from AMRUT Kerala with both theoretical knowledge and practical skills, fostering a comprehensive understanding of sewage and septage project management. A total of 29 officials participated in this training.

**5 Day Advance Training on Preparation of DPR
for Sewage & Septage Projects for
AMRUT 2.0, Kerala**


Workshops/Meetings/Visits

1. USAID team visit to Odisha on Oct 4, 2023

The delegates from USAID Mr. Mark Tegenfeldt (Director – General Development office), Mr Srinivasan (Project Management Specialist) and Ms. Olivia visited Bhubaneshwar to interact with frontline workers like sanitation workers from ERSU, Self Help Group managing the SeTP Basuaghai and SHGs managing solid waste management (SWM) facility at Basughai.

The visit started briefly with the intervention in the state and the journey of OUA provided by Dr. Shantanu, Director of Odisha Urban Academy (OUA). In continuation of the same, Ms. Sagarika, Special Secretary of State Housing & Urban Development Directorate, Odisha, stated that they want to saturate the capacity building program across the state for which they are looking forward to support from USAID and WASH Institute.

Post meeting the officials, the team visited Basuaghai SeTP and further interacted with the transgender SHG responsible for managing the operation and maintenance of the plant. They also visited to solid waste management facility in Basuaghai. The team also visited Mr. Prasanta Mohapatra, Engineer in Chief, of OWSSB.



2. Consultative meeting with officials from UP-Jal Nigam and ULB officials on DPR preparation for UWM in collaboration with the Directorate of Urban Local Bodies, Uttar Pradesh (4-5 October, 2023):

WASH Institute In collaboration with the Directorate of Urban Local Bodies, Uttar Pradesh, conducted a two-day Consultative meeting with officials from UP-Jal Nigam and ULB officials on DPR preparation for UWM collaboration with the Directorate of Urban Local Bodies, Uttar Pradesh

Under the Swachh Bharat Mission Urban, the Jal Nigam of Uttar Pradesh has developed a total of 34 Detailed project reports (DPR). These were reviewed by the Directorate and a need for further handholding of these officials was seen. The workshop aimed to have a consultative discussion with the officials on the various technical aspects and critical aspects of DPR preparation including the topographical survey, key components in DPR preparation, various technologies used for Used water management, Operational and maintenance issues, understanding the ground challenges and potential solutions for the same.

The key participants included executive engineers from Uttar Pradesh Jal Nigam, a parastatal body responsible for preparing DPR in the state and Executive officials from various Urban Local Bodies. A total of 7 officials from UP-Jal Nigam and 5 Executive officials from various ULBs attended the workshop.



3. National Workshop on SBM 2.0 implementation in 14 towns, Tamil Nadu, Chennai (12-13 October, 2023):

Water Sanitation and Hygiene Institute (WASH Institute) under the guidance and support of the Ministry of Housing and Urban Affairs (MoHUA) and the Government of Tamil Nadu conducted a 2-day workshop on SBM 2.0 implementation in 14 towns across 10 states. The workshop focused on key thematic areas mainly toilet 2.0, Man-hole to Machine-hole and Used Water Management.

The purpose of the workshop was to understand the status of SBM 2.0 (U) implementation, and the significance of 14 town initiatives along with understanding the components of aspirational toilets, the scope of the Man-hole to Machine-hole, understanding the roles of stakeholders, Emergency Response Sanitation Unit, Vision and approaches for Used Water Management and curating a workplan for the SBM 2.0 implementation in the 14 towns across 10 states namely Assam, Uttar Pradesh, Jharkhand, Telangana, Tamil Nadu, Odisha, Goa, Kerala, West Bengal and Uttarakhand.

A total of 74 participants attended the workshop including 59 participants from 10 states including WASH Institute City coordinators, NFFSM Alliance members, partners and 15 WASH Institute staff.



Workshop on SBM 2.0 implementation in 14 towns in Chennai



4. Paper Presentation & Exposure trip for senior officials from CPHEEO and Kerala AMRUT & LSGD to attend the 1st IWA- Non-Sewered Sanitation Conference 2023 Johannesburg (15-18 October, 2023):

The inaugural IWA NSS Conference 2023 took place in Johannesburg, South Africa from October 15 to 18, 2023. This unique event underscored the importance of fresh ideas and solutions in addressing sanitation challenges, both in South Africa and on a global scale. The conference marked a significant milestone in advancing our understanding of these challenges and working toward the Sustainable Development Goals (SDGs). Its overarching goals were the elimination of sanitation inequalities and the expansion of access to underserved populations through innovative solutions. Participants in the conference included diplomats, engineers, social scientists, and young professionals from around the world. Notably, the event was graced by the presence of the Minister of Local Self Government, Kerala, the Principal Director of the Local Self Department, the Mission Director of AMRUT, and the Assistant Advisor of CPHEEO.

The participants were engaged in various sessions, such as "Emptying Value Chain: Mechanizing Waste Collection to Improve Efficiency and Safety: Fresh Life's Experience in Nairobi's Informal Settlements," "Sanitation Journey of India and technologies involved," "Advancing Monitoring of non-sewered sanitation services for local, national and global purposes," and "E-Learning Management System (LMS) for capacity building in FSSM and UWM in India." Additionally, they had the opportunity to visit poster presentations on topics like "Green Hydrogen Production from Wastewater Electrolysis" and "Adaptation of water recirculating non-sewered sanitation systems in water-stressed countries." Additionally, the WASHi team presented two papers on different subjects and actively participated in thematic sessions throughout the conference. Ms. Anisha Dey presented on "Sanitation journey of India and technologies involved," while Ms. Chetna Singh discussed "E-Learning Management System (LMS) for capacity building in FSSM and UWM in India."



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1st IWA- Non-Sewered Sanitation Conference 2023



5. One-Day Consultation Workshop with LSGD Officials for Implementation and Empanelment of Agencies for Faecal Sludge Treatment Plants, Kerala (17 October 2023):

WASH Institute organized a one-day workshop with LSGD officials for the Implementation and Empanelment of Agencies for Faecal Sludge Treatment Plants in Kerala on 17th October 2023.

The workshop aimed to empanel the shortlisted agencies in the field of implementing Faecal Sludge Treatment Plants. During the workshop participants presented their scope of work in implementing FSTPs in Kerala in the presence of Technical Committee Members. Also, the Guidelines for FSTP Implementation and Methods of Implementation have been discussed and suggestions from participants and the technical committee were taken. A total of 58 participants attended the training.



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One-day Workshop with LSGD Officials for Implementation and Empanelment of Agencies for FSTPs in Kerala



6. CT-PT Operators Training module

WASH Institute, with the support of USAID, in collaboration with Toilet Board Coalition (TBC) has developed an online training module for CT-PT operators in Malayalam. This module was launched officially on 4th November 2023 in the presence of Executive Director Suchitwa Mission Shri. K T Balabhaskaran. This module will be promoted by Suchitwa Mission (Government of Kerala) for ULBs to train their CT/PT operators, throughout the state.



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CT/PT Modules in Malayalam



സോഫ്റ്റ് സ്കീൽ ആവശ്യകത

സോഫ്റ്റ് സ്കീൽസ് എന്നത് ജോലിയിലെ ആവേശവിനിയോഗം, പ്രവർത്തന മനോഹരതയും പ്രതിഫലിപ്പിക്കുന്ന സാങ്കേതികതകൾ കഴിവുകളാണ്.

സ്റ്റാർ റോഡ് ടോയ്ലറ്റ് പ്ലാൻറിൽ നിന്ന് എങ്ങനെയുള്ള പെരുമാറ്റമാണ് പ്രതീക്ഷിക്കുന്നതെന്ന് ഈ വീഡിയോയിൽ കാണാം, അവൻ ഉപദേശങ്ങൾക്കുമാത്രം എങ്ങനെ പെരുമാറണം, സൗകര്യത്തിന്റെ സൂപ്പർവൈസറുമായി ആരോഗ്യകരമായ ബന്ധം നിലനിർത്തുന്നത് എത്ര പ്രധാനമാണ്.

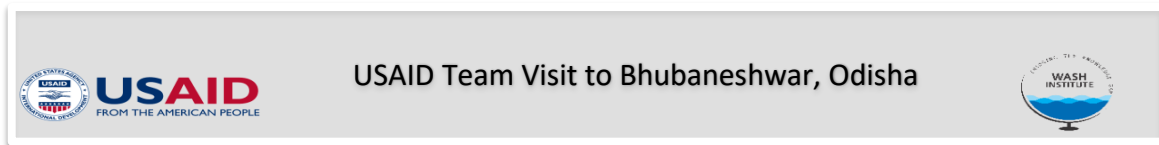


7. USAID team visit to Bhubaneswar, Odisha (8 November, 2023):

WASH Institute in collaboration with the Odisha Water Supply & Sewerage Board (OWSSB), Water Corporation of Odisha (WATCO) and Odisha Urban Academy (OUA), organised the visit of USAID delegates to Odisha Urban Academy (OUA) and the Basuaghai Faecal Sludge treatment plant in Bhubaneswar, Odisha on the 8 November 2023.

The delegates, Kathryn Booker-Veloz (Senior Diversity, Equity, Inclusion, and Accessibility (DEIA) Advisor), Aaron Schubert (Deputy Director, Indo-Pacific Office), Martha Van Lieshout (Development, Outreach and Communications Officer), Brian Holler (Division Chief - Health Communications, Operations, Research, and Evaluation) and Olivia Francis (Project Management Assistant) visited to understand the state government model of engaging transgender communities as operators of government utilities and explore issues faced by sanitation workers in maintaining sewer lines and septic tanks. The impact of WASH Institute's Emergency Response Sanitation Unit (ERSU) training for sanitation workers was also a key point of interest.

Kathryn Booker-Veloz interacted with the transgender community operating the plant and sanitation workers, delving into their journey, challenges, and aspirations. The visit acknowledged the potential of the young technical resource persons and appreciated the effort of those involved in the initiative. They appreciated the state's launch of the Garima Scheme and ERSU training. Mr. Shantanu Rath, Director of Odisha OUA, and his team and the representatives from WASH Institute were present to facilitate the visit.





8. National Capacity Building Workshop 2023 Swachh Bharat Mission - Accelerating Change for Safe Sanitation, Chennai, Tamil Nadu (23-24 November 2023):

Water Sanitation and Hygiene Institute (WASH Institute) with the support of USAID and under the guidance of the Ministry of Housing and Urban Affairs (MoHUA) and the government of Tamil Nadu conducted a 2-day workshop at Le Royal Meridien in Chennai, Tamil Nadu. The workshop was inaugurated by, Roopa Mishra (JS SBM-U), Dr. J.Radhakrishnan (Commissioner, GCC, GoTN), D Kartikeyan (Principal Secretary, GoTN) and Dr Madu Rani Teotia (Director SBM-Urban).

The workshop entailed experts and officials addressing critical aspects of sanitation infrastructure and management. Discussions covered financing, ideal toilet models, sanitation principles, and innovative approaches. Sessions delved into private sector expectations, sanitation worker safety, operational schemes, and mechanised cleaning experiences across cities. Other sessions covered diverse topics including ideal CT-PT models, Tamil Nadu's response to toilet services during adversities, principles to approach sanitation, operationalizing toilets without fees, SHG involvement in maintenance, survey insights, innovative aspirational toilet models, app-based monitoring, toilet construction technologies, and more. Overall, the workshop emphasized partnerships, innovation, sustainable operations, and sanitation worker welfare as crucial elements in creating a comprehensive and effective sanitation ecosystem. More than 250 participants attended this workshop from 27 states and 6 union territories in this workshop.



National Capacity Building Workshop 2023 Swachh
Bharat Mission - Accelerating Change for
Safe Sanitation, Tamil Nadu

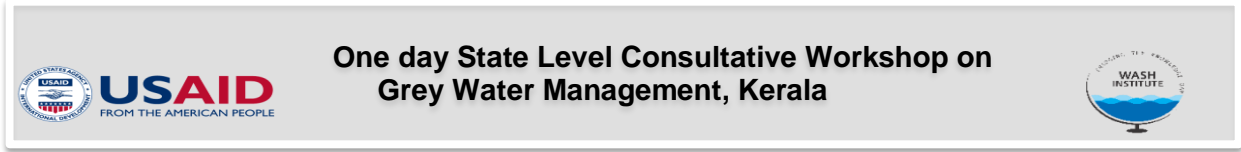


9. One day State Level Consultative Workshop on Grey Water Management Projects for Suchitwa Mission Officials, Kerala (28 December 2023):

The WASH Institute with the support of USAID and in collaboration with Suchitwa Mission Kerala, recently accomplished a significant milestone through the successful organization of a one-day State Level Consultative workshop focused on Grey Water Management Projects. This specialized workshop, held on 28th December 2023 at the SP Grand Days in Trivandrum, Kerala, specifically targeted officials from Suchitwa Mission Kerala. The collaborative initiative aimed at bolstering the knowledge and skills of participants, thereby facilitating more effective planning and implementation of Grey Water Management projects within the region.

The training was strategically crafted to achieve its primary objective of enhancing participants' proficiency in identifying and formulating Grey Water Management Plans at the District level, with a particular emphasis on selecting appropriate technologies based on specific requirements. The comprehensive curriculum covered diverse aspects, ranging from discussions on Grey Water Management approaches to engaging case study presentations. Expert presentations added depth to the program by illuminating critical aspects of GWM, including planning and an overview of treatment

technologies. This training went beyond traditional approaches, incorporating hands-on activities that facilitated a dynamic exchange of ideas and addressed challenges unique to the Grey Water Management domain in Kerala. Overall, the workshop served as a valuable platform for knowledge enrichment and skill enhancement, ultimately contributing to the advancement of effective Grey Water Management projects in the region.



2.2 Implementation Status

A time period-wise snapshot of various activities carried out in the first quarter of the fourth year has been illustrated below:

Acti vity No.	Activity Name	Sub Activi ty No.	Sub Activity Name	Oct'23	Nov'23	Dec'23
A1	Advanced training for Government and Non-governmental stakeholders in WWM and FSSM	A1.1	Partnership with government/ Parastatal and other development partners for capacity-building engagement			
		A1.2	Customise training content for new programs of the national and state governments			
		A1.3	Mapping and engaging with local/potential trainers/training partners			
		A1.4	Delivery of the trainings			

		A1.5	Post training monitoring of outcomes			
2	Training of sanitation workers/ERSU teams	A2.1	Partnership with government/ parastatal and other development partners for capacity building engagement			
		A2.2	Delivery of the trainings			
		A2.3	Post training monitoring of outcomes			
3	Creating a cadre of Master trainers on WWM, FSSM	A3.1	Partnership with government/ Parastatal and other development partners for capacity building engagement			
		A3.2	Identifying the Master Training along with the Partner for the specific Training delivery			
		A3.3	Customise training content for effective use of the content by the Mater Trainer to the target audience			
		A3.4	Mapping and engaging with local/potential trainers/training partners			
		A3.5	Delivery of the trainings			
		A3.6	Post training monitoring of outcomes			
		A3.7	Continues Assessment and handholding of the Master Trainer during Training and when they are delivering the Training			
4	Organise national, regional and state level workshops and consultation meetings on topics of WWM, FSSM	A4.1	Partnership with 10 State governments and the 14 ULBs to understand the capacity building needs			
		A4.2	Customise content for the national and state government workshop.			
		A4.3	Delivering the Workshop			
		A4.4	Post Workshop monitoring of outcomes			
5	Support the state of Kerala in piloting FSSM and WWM initiatives pilot towns	A5.1	Support in developing standard documents, Templates & Designs			
		A5.2	Support in FSSM Clustering for Urban-Rural Convergence			
		A5.3	Support in providing FSSM Plan, Vendor List, Guidelines for Establishing RSA and ERSU			
		A5.4	Support in Capacity Building various stakeholders on FSSM & WWM			
		A5.5	Develop Training content for FSSM & WWM			
		A5.6	Support ULBs to improve in Manhole to Machine-hole interventions			

6	Create a cadre of master trainers in Kerala, who can act as technical resource persons	A6.1	Partnership with government/ Parastatal and other development partners for capacity-building engagement			
		A6.2	Identifying the Master Training along with the Partner for the specific Training delivery			
		A6.3	Customise training content for effective use of the content by the Mater Trainer to the target audience			
		A6.4	Mapping and engaging with local/potential trainers/training partners			
		A6.5	Delivery of the trainings			
		A6.6	Post training monitoring of outcomes			
		A6.7	Continues Assessment & handholding of the Master Trainer during Training and when they are delivering the Training			
7	Training of officials from Kerala on topics related to WWM and FSSM	A7.1	Partnership with Kerala government/ Parastatal and other development partners for capacity building engagement			
		A7.2	Customise training content for new programs of the national and state governments			
		A7.3	Mapping and engaging with local/potential trainers/training partners			
		A7.4	Delivery of the trainings			
		A7.5	Post training monitoring of outcomes			
8	Provide technical handholding support to ULBs/districts	A8.1	Support in Review of DPRs prepared by ULBs/Districts			
		A8.2	Support in Training ULB/District officials on FSSM & WWM			
		A8.3	To identify Master Trainers to train the ULBs/District Officials			
9	Develop e-learning modules on WWM and FSSM	A9.1	Engagement with the States and the Partners to analyse the need for the content required.			
		A9.2	Develop or Modification course modules to suit the requirements of the State or Partner			
10	Develop training modules on thematic areas such as hilly areas, climate change and gender in WASH	A10.1	Engagement with the States and the Partners of Hilly areas to analyse the thematic area and need of the content			
		A10.2	Develop the content with the input from the internal technical and expert Organisation for the Climate Change modules.			

11	Organise workshop on thematic areas such as challenges of WWM in hilly areas, climate change	A11.1	Partnership with 10 State governments and the 14 ULBs to understand the capacity building needs			
		A11.2	Customise content for the national and state governments workshop.			
		A11.3	Delivering the Workshop			
		A11.4	Post Workshop monitoring of outcomes			
12	Certificate training of STP/FSTP operators	A12.1	Collaboration with NSDC/SCGJ			
		A12.2	Partnership with regional training partners			
		A12.3	Marketing, Promotion & Stakeholder Engagement for the skilling & certification program			
		A12.4	Train, Assess and certify trainees			
13	Course on Water and wastewater quality management	A13.1	Delivery of classroom and practical sessions as per syllabus			
		A13.2	Explore industry/Government partnerships for practical learning, placement of students and increase visibility of the courses			
14	Value added course on FSSM and WWM	A14.1	MoU with academic institutions like universities, colleges and government agencies for facilitating Workshop, Value added Courses, Trainings etc			
		A14.2	Nurturing students' interest by conducting 3 days value added courses on "Non sewerated sanitation, liquid waste Management, Wastewater management" etc in various engineering and science colleges.			
		A14.3	Delivery of the trainings			
		A14.4	Post training monitoring of outcomes			
15	International exposure visits of government officials	A15.1	Facilitate exposure visits of key staff from Government and parastatal agencies to demonstration sites in Indian cities and abroad			
16	National Exposure visit to government officials	A16.1	Facilitate exposure visits of key staff from Government and parastatal agencies to demonstration sites in Indian cities and abroad			

2.3 Implementation Challenges

During this reporting quarter, the main implementation challenge that we faced was the inability to receive any admission into our “Non-sewered sanitation” course, as the course name was unfamiliar among students. Therefore, we have revised the course, including non-sewered sanitation and other sanitation-related components and rebranded the course as PG Diploma for “Urban and Rural Sanitation”. We are making efforts towards advertising this course through various mediums and hope to receive favourable results in the near future.

2.4 Indicators for Reporting

The indicators to report for the outcomes in the 2nd quarter of the 4th year are as follows:

Note: Most of the targets for this quarter are zero as it was the initiation of the extension phase.

Indicator No.	Key Performance Indicators (KPIs)	Project Target & Status (2 nd Phase)				Remarks
		Quarterly Target for Q2 (Oct 2023-Dec 2023)	Achievement for Q2 (Oct 2023-Dec 2023)	Cumulative Target up to Q2 (July 2023-Dec 2023)	Cumulative Achievement up to Q2 (July 2023-Dec 2023)	
Goal Level Indicators						
1	Number of locations, where the project activities have contributed in improving the service quality of FSSM & Wastewater Management, thereby leading to a positive impact on environment and public health in Indian towns & cities	NA	8	NA	32	The following states were covered in this quarter: Uttarakhand, Kerala, Tamil Nadu, and Uttar Pradesh
2	Number of Government Officials, CSR/NGO Professionals, Private Entrepreneurs, Sector Professionals & Students Trained/Upskilled with regard to FSSM & Wastewater Management	186	761	316	1138	

3	HL.8.3-3 Number of water and sanitation sector institutions strengthened to manage water resources or improve water supply and sanitation services as a result of USG assistance	NA	NA	NA	NA	This will be reported at the end of the project period.
4	HL.8.4-1 - Value of new funding mobilized to the water and sanitation sectors as a result of USG assistance	\$20,000	\$49,890	\$40,000	\$77,972	
Outcome level Indicators						
5	At least 30% of the participants of short term trainings demonstrate retainment of knowledge post 6 months of training completion	NA	NA	NA	NA	As 6 months have not passed yet, post training of any of the batches held in the 2 nd phase of the project, this indicator is currently reported as NA. The trainee feedback calls are scheduled post 6 months of the trainees being trained to assess retainment and use of knowledge and skills derived from training, challenges they are facing in implementation and further skill-building related

						support they expect from us.
6	At least 30% of the master trainers demonstrate improvement in the quality of training delivery post-attending the learning techniques course	NA	NA	NA	NA	This will be reported from the next quarter onwards.
7	At least 30% of the ULB officials finds knowledge product useful and uses them for undertaking interventions.	NA	NA	NA	NA	This will be reported from the fourth quarter onwards
8	At least 1000 sanitation workers benefit by enrolling into welfare programs	NA	NA	NA	NA	This will be reported from the next quarter onwards.
9	At least 300 Govt./Non-Govt/ officials are trained on WWM & FSSM by the Master Trainers	NA	198	NA	259	In this reporting quarter, 198 Sanitation Workers from Reddiarchatram block, have been trained by the Master Trainers in Tamil Nadu. Moreover, we plan to provide continued technical handholding implementation-level support.
10	Atleast 30% of the cities/towns provided with technical handholding support records progress towards WWM/FSSM	NA	4	NA	4	4 DPRs of Khoda Makhanpur, Pilkhuwa NPP, Chibramau NPP and

	(Eg: CSAP/DPRs prepared etc.) (100 ULBs will be given technical handholding support)					Shamsabad in Uttar Pradesh have been approved. We plan to give them continued technical handholding implementation level support.
11	Atleast 3 of the Kerala towns wherein support has been provided for piloting of WWM/FSSM interventions demonstrate progress towards WWM/FSSM in their respective areas	NA	NA	NA	NA	Work has been initiated in developing standard documents, Templates & Designs, support in FSSM Clustering for Urban- Rural convergence, and support in providing FSSM Plan, Vendor List, Guidelines for Establishing RSA and ERSU
12	At least 30% of the students who complete the one-year PG Diploma academic courses are placed in relevant jobs	6	0	6	3	2 students are employed in the Water Quality Lab in Dindigul: and 1 student in SPD Solutions in Chennai.
13	At least 30% of the trained STP and FSTP operators/Lab Technicians have demonstrated better performance on their job (STP and FSTP operations/Laboratory)	NA	NA	NA	NA	This will be reported from the next quarter onwards.

14	Atleast 30% of the officials who have undergone exposure visit have initiated FSSM/WWM related initiatives in their respective states/cities	NA	NA	NA	NA	This will be reported from the fourth quarter.
Output level indicators						
15	200 government and non-government officials trained on WWM & FSSM through advanced classroom sessions	50	26	75	113	Government officials of Uttarakhand have been trained in CSAP preparation.
16	180 sanitation workers/ERSU staff trained	30	0	60	0	Trainings with the sanitation workers/ERSU staff have been planned to be conducted in the next quarter.
17	45 Master trainers trained on topics of WWM and FSSM	15	0	15	32	32 Master trainers were trained in Tamil Nadu in the previous quarter
18	Number of participants attending national level, state level and regional level workshops on WWM & FSSM	NA	414	NA	482	2 National level workshops on Technical Assistance and Swachh Bharat Mission - Accelerating Change for Safe Sanitation, 2 state-level workshops with LSGD officials and on grey water management

						in Kerala and 1 consultative meeting
19	5 towns of Kerala supported to pilot FSSM & WWM initiatives	NA	NA	1	0	Work has been initiated in 3 towns in developing standard documents, Templates & Designs, support in FSSM Clustering for Urban- Rural convergence, and support in providing FSSM Plan, Vendor List, and Guidelines for Establishing RSA and ERSU. We plan to support the capacity building of various stakeholders in FSSM and WWM, Support ULBs to improve in Manhole to Machine-hole Interventions and develop training content.
20	30 Master trainers trained in state of Kerala to become technical resource person	NA	NA	NA	56	56 Master trainers were trained in Kerala in the previous quarter.
21	100 Govt. officials trained from Kerala on	25	73	25	97	DPR preparation

	topics related to WWM and FSSM					training for Suchitwa mission and AMRUT officials and 1 training for CT/PT operators
22	100 ULBs/districts provided with technical handholding support on FSSM / WWM related initiatives	20	26	30	26	CSAPs of 13 ULBs in Uttarakhand were prepared, DPRs of 13 ULBs in Kerala were prepared
23	360 minutes of e-learning modules content developed on WWM and FSSM	120	185	120	185	Modules on CT/PT Operation and Maintenance translated into 5 different languages: Tamil, Malayalam, Assamese, Odia and Telegu
24	2 training modules developed on thematic areas such as hilly areas, climate change and gender in WASH	1	0	1	0	We will be initiating it in the upcoming quarter
25	3 workshops organized on thematic areas such as challenges of WWM in hilly areas and climate change	1	0	1	0	Workshops are planned to be conducted in the next quarter.
26	Number of people trained on thematic areas such as challenges of WWM in hilly areas and climate change	NA	NA	NA	NA	This indicator is planned to be reported in the next quarter, as the workshop is planned to be scheduled in Manipur

27	125 persons successfully completed the course on operations of STPs/ FSTPs and desludging operations	25	0	50	0	We plan to start 1-2 batches in the upcoming quarter
28	20 students/ professionals completed the 1 year post graduate diploma course in 'Water & Wastewater Management'	NA	NA	NA	NA	As this is a one-year course, the reporting will start from fourth quarter
29	150 students completed elective/ value added courses on Wastewater & Non-Sewered sanitation	30	47	60	96	47 students were trained at SRM Institute of Science and Technology on WWM, Dewats, SBM 2.0, Hazard and risk mitigation in sanitation
30	6 senior Govt. officials taken for learning international level exposure visits	6	3	6	3	3 senior officials were taken to Johannesburg South Africa. Further visit will be planned in subsequent quarters
31	20 senior Govt. officials taken for learning National level exposure visits	5	0	5	0	Exposure visits have been a part of most advanced level trainings. In addition, national exposure visits are being planned for subsequent quarters.
32	GNDR-8 Number of persons trained with	120	81	175	186	

USG assistance to advance outcomes consistent with gender equality or female empowerment through their roles in public or private sector institutions or organizations					
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3. INTEGRATION OF CROSSCUTTING ISSUES AND USAID FORWARD PRIORITIES

3.1 Gender Equality and Female Empowerment

1. CREA has undertaken trainings for WASHi staff to strengthen our understanding, knowledge and skillset on gender sensitization and gender inclusion with a focus on WASH.
2. To promote gender sensitization and inclusiveness in our trainings, we have updated our Gender Sensitization training modules with the support of CREA.
3. WASHi has also developed in-house modules on POSH (Prevention of Sexual Harassment) which have been planned to be rolled out in the subsequent quarters.
4. WASHi is constantly making efforts to engage more women and facilitate equal gender participation in our trainings. Through our steady efforts, we are observing a steady increase in female participation.

Figure 1: Gender ratio among training participants for reporting quarter

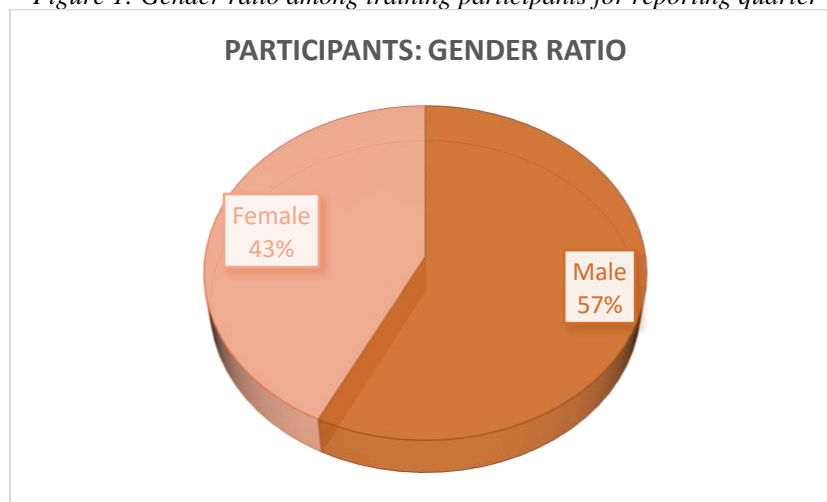


Table 1: Bifurcation of male and female participants

Type of Training	Sanitation Workers Training	Orientation Level	Advanced Level	Academics	Others (workshops, consultative meetings etc)
Male	20	8	62	36	310
Female	178	2	27	11	107
Total	198	10	89	47	417

3.2 Sustainability Mechanisms

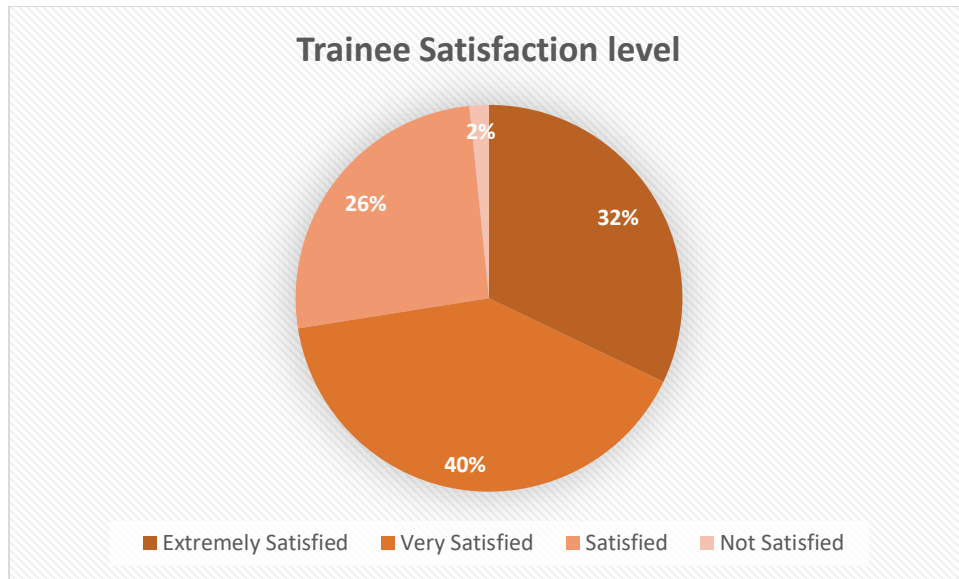
1. WASHi continues to utilize the Learning Management System (LMS) and WhatsApp groups for continued engagement and as a knowledge repository platform. Follow-up trainings and workshops were conducted and are planned to address the entire value chain from orientation to implementation-level technical handholding support. The Master Trainers that were trained by WASHi are continuing to conduct trainings for the sanitation workers in Tamil Nadu, and they are being monitored continuously.
2. WASHi is now a Swachhata Knowledge Partner (SKP) for SBM and will initiate partnering with the states to plan a road map to bring in Capacity Building Training for better implementation of the program.

4. STAKEHOLDER PARTICIPATION AND INVOLVEMENT

A total of 1333 trained personnel have been interviewed telephonically, including 126 trainees being interviewed in this reporting quarter. The respondents included mostly Government officials and some sanitation workers. It is to be noted that to achieve this number, more than 3500 calls were made overall, 400 in this quarter itself, to people who have been trained under this project. However, despite our best efforts, many of them did not receive the calls while some of them said that they didn't have time to respond.

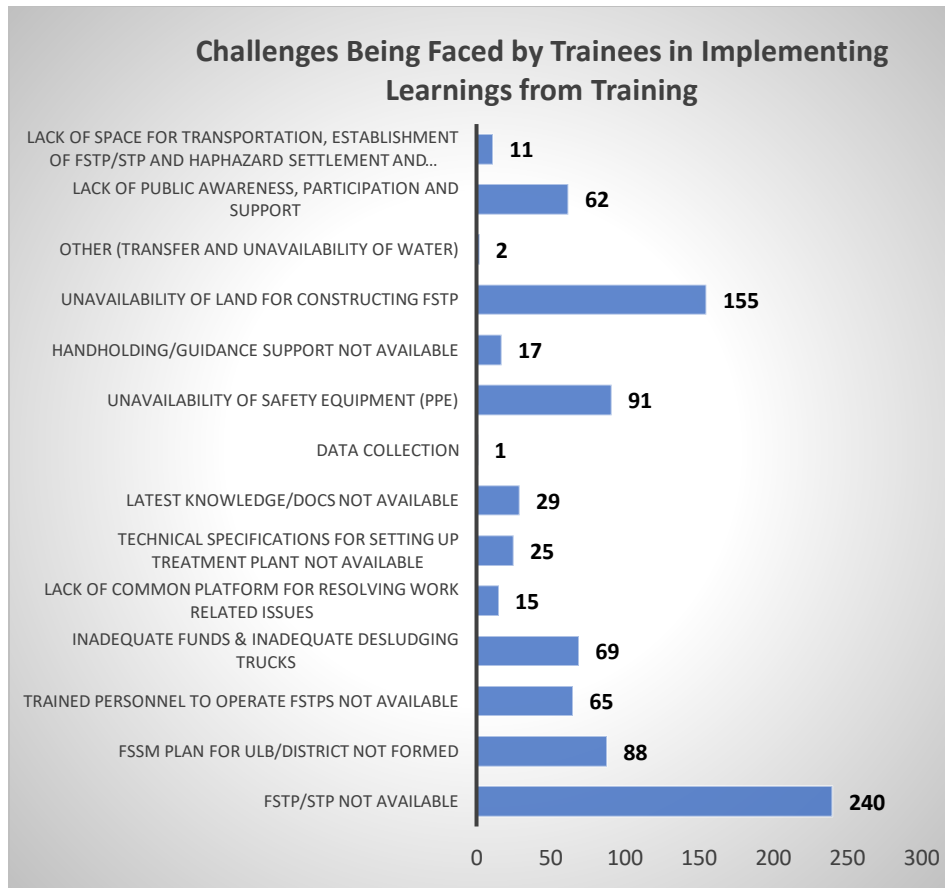
Following are the key findings from the feedback calls successfully conducted (1333) thus far under this project:

Figure 2



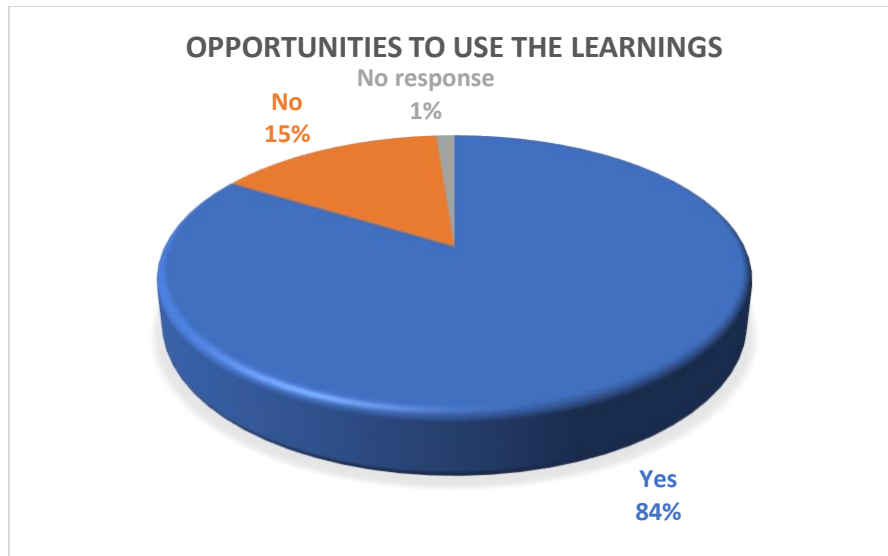
It can be inferred from the above graphical representation that 98 percent of the trainees were satisfied with the trainings. This shows that the overall content and quality of the trainings met the expectations and requirements of almost all the trainees. However, 2 percent of the respondents, who were not satisfied, shared that the trainings should not be discontinued and should be conducted regularly with the involvement of more participants. Also, they stated that the content could include more regional case studies and the duration of the trainings should be increased as well. Further, they suggested that more field visits and practical demonstrations should be conducted.

Figure 3



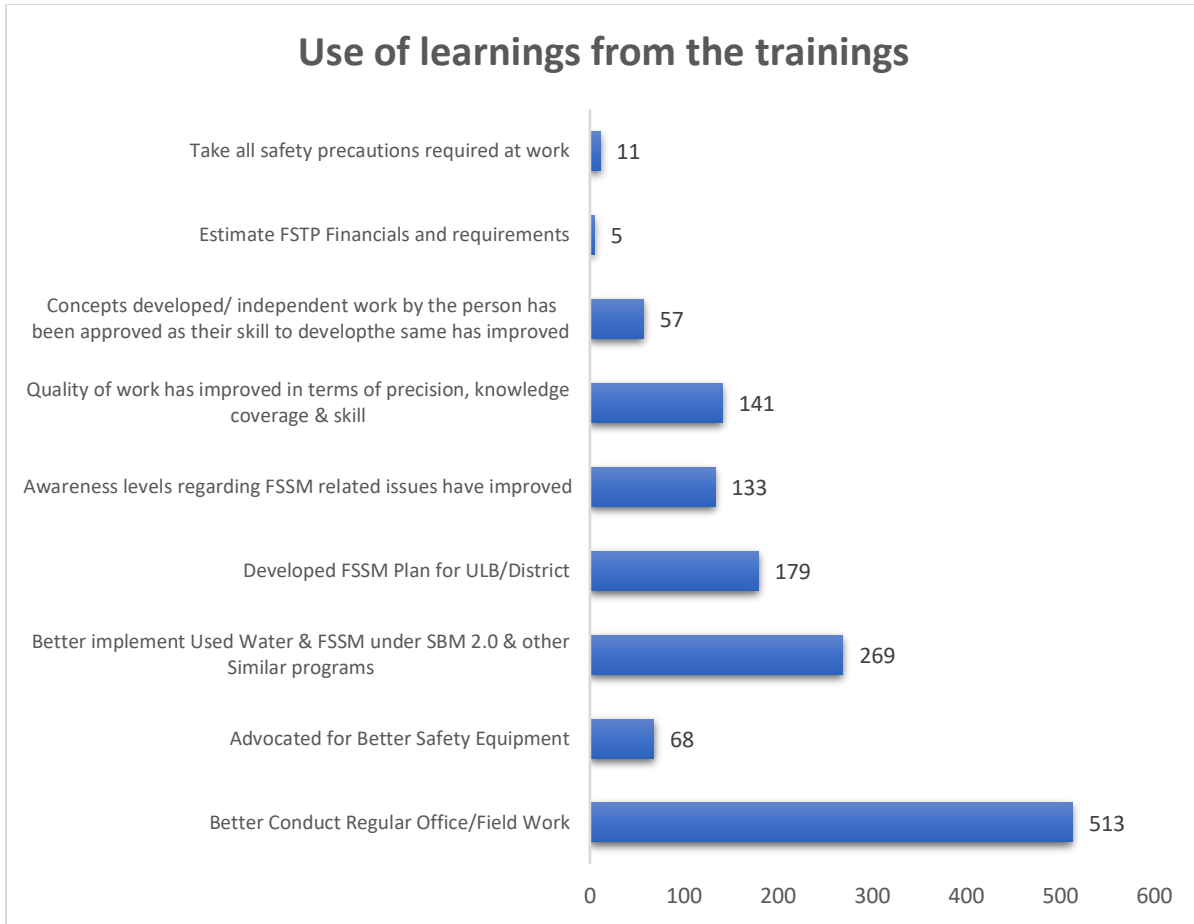
The major issues that the trainees faced in implementing the learnings from the trainings include unavailability of FSTP/STP, absence of FSSM plan for the ULB/district, unavailability of trained personnel to operate FSTPs, inadequate funds and inadequate desludging trucks, unavailability of land for the construction of FSTP, unavailability of safety equipment and lack of public awareness and support. Apart from these, there are gaps in the availability and access to the latest knowledge and technologies. Moreover, the trainees mentioned that there is a lack of guidance, handholding support and a platform to resolve work-related issues. Some of the trainees also shared that the difficult terrain/topography of the regions poses numerous challenges during the implementation process.

Figure 4



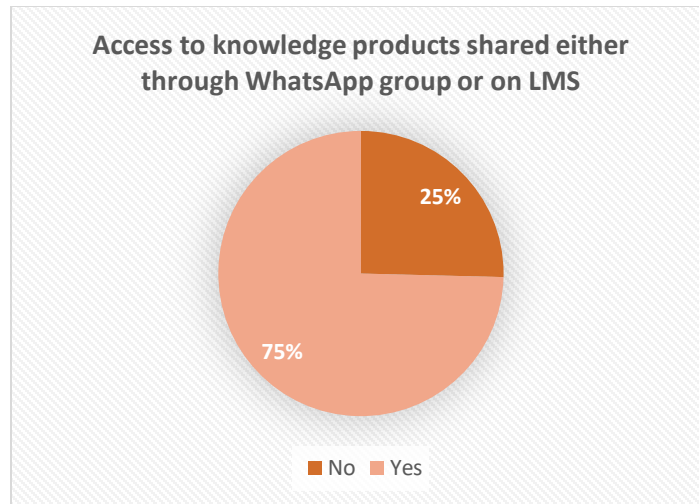
WASHi was happy to see that among the respondents, 84 percent of the trainees had the opportunity to use the learnings gained from the trainings, while 15 percent of the trainees were not able to use the knowledge.

Figure 5



Most of the trainees mentioned that the trainings helped them to better conduct regular office and field work and implement used water and FSSM under SBM-U 2.0 and AMRUT 2.0. The trainings also helped improve the quality of their work in terms of precision, knowledge coverage, skill, and awareness about FSSM. Some of the trainees mentioned that the trainings have also helped them develop FSSM plans, DPRs and CSAPs for their respective ULBs. Moreover, trainees have been able to advocate for better safety equipment in their workplace.

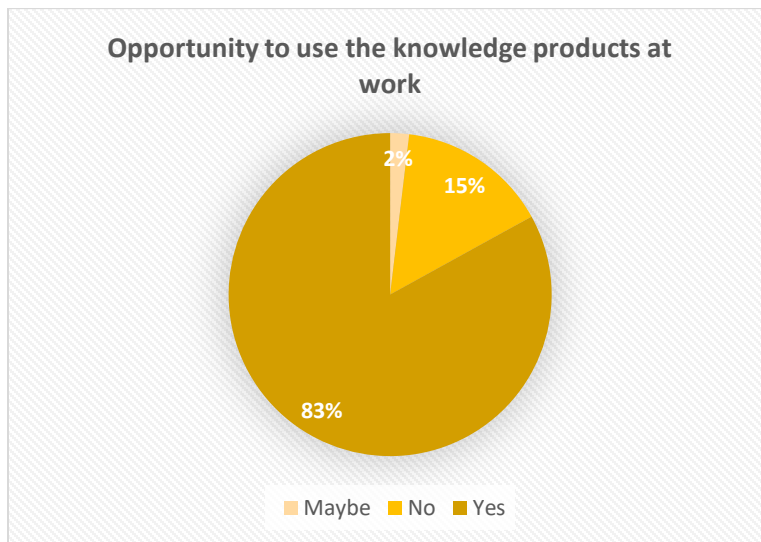
Figure 6



75 percent of the trainees had access to knowledge products like guidebooks, tutorials, SOP, guidelines, modules, which were shared on WhatsApp groups or the LMS. However, 25 percent of the trainees didn't have access to the knowledge products.

Either they were not part of the Whatsapp group or couldn't log in to the LMS account.

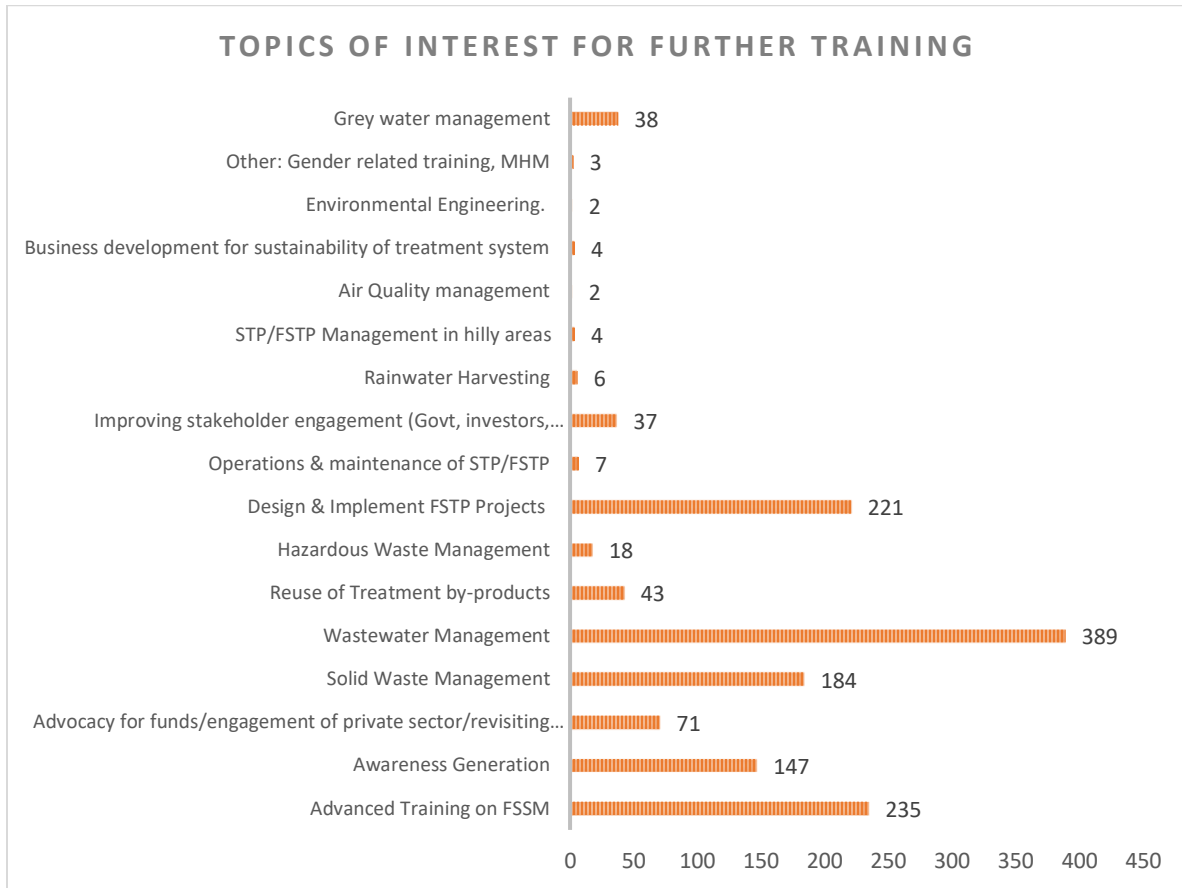
Figure 7



WASHi was happy to see that among the people who did have access to the knowledge products, 83 percent of them found the products useful and had the opportunity to use them at work at some point

in time. 15 percent of them have not yet used the products and 2 percent were unsure how to use them.

Figure 8



The trainees have requested the WASH Institute to conduct future trainings in the areas wherein they lacked clarity and wanted a detailed orientation and training. The top five requested areas of training are Wastewater management (389), Advanced training on FSSM (235), Design and implementation of FSTP projects (221), Solid waste management (184) and Awareness generation (147). The trainees also wanted to learn more about the reuse of treated by-products and hazardous waste management. They were also keen on learning about stakeholders' engagement, the advocacy of funds and the engagement of the private sector and their legal framework. A few of them also suggested that trainings regarding operations and maintenance, and management of STP/FSTP in the hilly areas of the country should be conducted.

5. MANAGEMENT AND ADMINISTRATIVE ISSUES

There are no management and administrative issues to be reported in this quarter. However, the following are the updates under this section:

1. USAID Finance team conducted a finance review of the program during this quarter.
2. We conducted a three-day program for the USAID Project team on the Next Phase Planning and Reflection Workshop in New Delhi from 18th to 20th December 2023. The objective of this workshop was

to reflect upon the first phase and plan out the strategies for the extension period. Through an extensive session on MEL, the team members learned about the MEL strategy and KPIs for the next phase. On the second day, team-building exercises were conducted to increase the communication, camaraderie, commitment, and confidence within the team. The workshop concluded by finalizing the strategy for the subsequent planning phase. During this workshop, the work plan for all the activities was strategized and brainstormed upon.

6. LESSON LEARNED

1. One of the major learnings from the two national workshops conducted is that the funding allocated for the SBM 2.0 mandate for achieving 100% Used water management is insufficient. Therefore, the states must arrange additional funds for the gap funding from other sources.
2. The SBM 2.0 guidelines cannot be directly applied to all the regions in the country. Therefore, a more decentralized and non-sewered approach is preferred and deemed sustainable for hilly regions.
3. In Kerala, land is one of the major constraints for implementing wastewater management projects; thus, technologies requiring less footprint area must be given preference.

PLANNED ACTIVITIES FOR NEXT QUARTER INCLUDING UPCOMING EVENTS

Some of the planned activities for the next quarter are:

1. Provide comprehensive training in 5 batches to GIS experts and engineers from Odisha on Basic orientation on the Usage of GIS applications and GIS in Liquid Waste Management.
2. Conduct advanced-level Training on DPR preparation for division-level Government officials from UP-Jal Nigam responsible for the preparation of DPRs for the state.
3. Initiate Advanced training on the preparation of DPR for Sewerage & Septage projects for ULB Engineers, Experts of SMMU and CMMU for AMRUT 2.0 Kerala.
4. Organise “Designing and delivering effective WASH training” to WASHi and partners.
5. Closure of MOU with the OUA and initiate the implementation in Odisha.
6. Initiate talks with States as SKP
7. Continue development of E-Learning modules.

7. ANNEXURE

Annexure 1: Links to Training reports

Please find below the links to the training reports for the online trainings conducted in the quarter. These training reports have the participants' details as well. Kindly note that these links will be valid for 6 months from the submission of this document.

S. No.	Training Name	Links to the training report
1	Consultative meeting for DPR preparation (4-5 October, 2023)	http://tinyurl.com/yc3bkryb
2	3-day workshop to finalise the City Sanitation Action Plan (CSAP) under SBM 2, Nainital (9-11 October, 2023)	http://tinyurl.com/28ejn4tc
3	National Workshop on SBM 2.0 implementation in 14 towns, Tamil Nadu, Chennai (12-13 October, 2023)	http://tinyurl.com/mtpdkmun
4	Training for Safety & Dignity of Sanitation Workers, Tamil Nadu, Dindigul, WASH Institute, 14 October, 2023 (Batch 3)	http://tinyurl.com/v2hpmuu
5	One-Day Consultation Workshop with LSGD Officials for Implementation and Empanelment of Agencies for Faecal Sludge Treatment Plants, Kerala (17 October 2023)	http://tinyurl.com/3k7kx3w
6	3 Day Training on Non-Sewered Sanitation in achieving SBM 2.0, SRM University, Chennai (19–21 October, 2023)	http://tinyurl.com/4m56hk23
7	Paper Presentation & Exposure trip for senior officials from CPHEEO and Kerala AMRUT & LSGD to attend the 1st IWA- Non-Sewered Sanitation Conference 2023 Johannesburg (15-18 October, 2023)	http://tinyurl.com/3843yw4f
8	Training for Safety & Dignity of Sanitation Workers, Tamil Nadu, Dindigul, WASH Institute, 4 November, 2023 (Batch 4)	http://tinyurl.com/2ar6cfwk
9	One-Day Training for CT/PT operators on E-learning Modules at Mavelikara ULB, Kerala (9 November 2023)	http://tinyurl.com/y7r2zurb
10	National Capacity Building Workshop 2023 Swachh Bharat Mission - Accelerating Change for Safe Sanitation, Chennai, Tamil Nadu (23-24 November 2023)	http://tinyurl.com/ms27un5y
11	Advanced training on preparation and evaluation of Detailed Project Reports (DPR) in LWM for Suchitwa Mission, Dindigul (5-8 December 2023)	http://tinyurl.com/hm588amf
12	Training for Safety & Dignity of Sanitation Workers, Tamil Nadu, Dindigul, WASH Institute, 9 December, 2023 (Batch 5)	http://tinyurl.com/muymhwrz
13	5-Day Advance Training on Preparation of DPR for Sewage & Septage Projects for AMRUT 2.0, Kerala, Dindigul (11-15 December 2023):	http://tinyurl.com/yc569jyp
14	One day State Level Consultative Workshop on Grey Water Management Projects for Suchitwa Mission Officials, Kerala (28 December 2023)	http://tinyurl.com/muwryfd4

