

WATER SANITATION AND HYGIENE INSTITUTE



ANNUAL REPORT
2021-2022

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VISION

A world in which all the communities have access to safe, protected and sustainable drinking water and sanitation services, with improved hygiene practices.

MISSION

WASH Institute's prime focus is to facilitate development of skilled professionals in water and sanitation sector with a community perspective to address the growing need of trained human resources in the sector.

Mission Statement includes:

- Bridge the knowledge gap between the community and service providers through education and training to assist the stakeholders in planning, implementation, operation and management of water, sanitation, hygiene and environmental programmes on a sustainable basis.
- Promote appropriate and low cost solutions in the areas of water, sanitation and hygiene promotion based on the action research and field level studies carried out by the Institute and its collaborative partners.
- Promote effective policies and strategies to address the capacity building needs around the Water, Sanitation and Hygiene promotion, with a special focus on poor and vulnerable communities living in rural and urban areas, for wider replication.



Foreword

As we are heading towards marking 14th year of our inception, it gives me immense pleasure to present the Annual Report of the Financial Year 2021-2022. This annual report captures the journey of WASH Institute in 2021-2022 that has helped the organization grow and take significant steps towards achieving its vision.

The onset of this year marked the catastrophic second wave of COVID-19 pandemic which had severe consequences in the form of spiralling cases, reduced supplies of essential treatments, and increased deaths. During the second wave, in order to safeguard its employees from contracting the disease, the organization took every action possible such as encouraging RT PCR tests and vaccinations thereafter. The organization also continued with flexible mode of working and encouraged most of its staff members to work from home. During this ongoing crisis, WASH Institute continued its partnership with various organizations to provide PPE kits, hygiene kits, and soaps to the sanitation, health workers, and other underprivileged groups of the society. It also installed multiple portable foot operated handwashing stations with soaps in public institutions such as schools and Primary Health Cares (PHCs).

Despite challenges, WASH Institute continued to provide safe water and sanitation services to the marginalized communities and underprivileged school and Anganwadi students, across 15 locations in eight states and one Union Territory through its grassroot level WASH projects. A total of 58451 school and Anganwadi children (33154 girls, 25297 boys), 53704 community members (7842 women, 7122 men), and 455 PHC outpatients (275 women, 180 men) were enabled access to improved sanitation and safe drinking water facilities in 161 schools, 165 communities, 71 Anganwadi centres and 3 PHCs through these projects. WASH institute has built infrastructure to provide access to safe water and sanitation facilities with the support of its partners. This includes 161 child, gender and specially-abled friendly toilets along with handwashing stations in schools and 71 child-friendly toilets in Anganwadis. In the communities, WASHi constructed/ renovated 27 sanitary protection of Open wells, 11 Borewells, 9 mini water tanks, 8 drinking water stations, 3 Ground water recharging pits, 2 Infiltration galleries, and one Oorani. This year was also significant in terms of scaling up the operations in two new locations viz; Kadiyam Block in Andhra Pradesh and Uluberia Municipality in West Bengal.

WASH Institute continued to provide Technical Assistance to the Ministry of Housing and Urban

Affairs on Swachh Bharat Mission (Urban), and Ministry of Jal Shakti on Swachh Bharat Mission (Gramin) and Jal Jeevan Mission to achieve significant milestones under both the missions.

As part of the endeavour to address the growing need of trained human resources in the sector, WASH Institute, through its skill development program on Faecal Sludge and Septage Management (FSSM) provided 69 trainings to 764 sanitation workers, 1682 Government Officials, 19 private practitioners, 159 NGO workers, 323 academicians, 45 STP Operators, 24 Lab Technicians and 31 students. The project not only aims to address the current lacunae with respect to skills, capacities and knowledge but also enables multi stakeholder partnership leading to increased private sector engagement & investment in FSSM & Wastewater Management. This in turn will augment the capacities of the workforce in government and private sector to deliver their services efficiently leading to improvement in the FSSM status of the country.

The year has been rewarding for WASH Institute's Mobile septage Treatment Unit (MTU) as the technology received technical validation from BITS Pilani, Goa, a premier institute in India. The technical validation was received on the basis of multiple field level tests conducted by the institute in the previous year.

As a way forward, WASH Institute will continue to provide Technical Assistance to Ministry of Housing and Urban Affairs (MoHUA) and Ministry of Jal Shakti on Swachh Bharat Mission and Jal Jeevan Mission. The organization also envisages to provide technical support to the State of Kerala, Punjab, Haryana, Jammu & Kashmir, Ladakh, Himachal Pradesh, Sikkim and Manipur on FSSM and Greywater Management next year under SBM-G. The coming year will also witness the organization providing technical support to states of Assam, Jharkhand, Uttar Pradesh, and Karnataka on Wastewater Management under SBM-U.

Through its Training and Capacity Building Program, WASH Institute will continue to build capacities of the sanitation workers, Government Engineers, state officials and other stakeholders that are associated with faecal sludge and wastewater management in urban local bodies across the country. WASH Institute will also enhance its COVID Relief Operations to continue building resilience among the marginalised communities against the ongoing pandemic. The organization will continue to enable the communities, and the public institutions access to improved and safe WASH facilities with the support of the CSRs.

I would like to conclude by extending my heartfelt gratitude to the partners and the members of the General and Advisory Council, and all the staff members for their continued exemplary support throughout the year.

Arumugam Kalimuthu
Managing Trustee



WASH Institute's Presence

BILL & MELINDA GATES foundation

Technical Assistance to Ministry of Housing and Urban Affairs on Swachh Bharat Mission (Urban) phase II (National)
Technical Assistance to Ministry of Jal Shakti on Swachh Bharat Mission (Gramin) Phase II (National) and Jal Jeevan Mission



Technical Assistance to Ministry of Housing and Urban Affairs (MoHUA) on Swachh Bharat Mission (Urban)



Promotion of "ODF" Slums and School WASH



Promotion of Swachh Vidyalaya



Promotion of Swachh Vidyalaya and Swachh villages



Integrated WASH Interventions in schools and communities of Khardah and Panihati Municipalities



Integrated WASH Project in Schools and Communities of Uluberia Town in Howrah District



Promotion of WASH in schools and communities



Promotion of WASH in schools and communities



Integrated WASH Interventions in Schools of Chennai



Promotion of Swachh Slums in Chennai



Promotion of Integrated water supply, sanitation and hygiene in Schools and Green Temple Program



Promotion of Thiruppullani as Swachh and Swast Block



Delhi Liaison Office



Promotion of Swachh and Swasth Hindaun Block of Karauli District



Promotion of water supply, sanitation and hygiene in schools and communities



Swachh Vidyalaya & Swachh Villages



WASH Academy

BILL & MELINDA GATES foundation

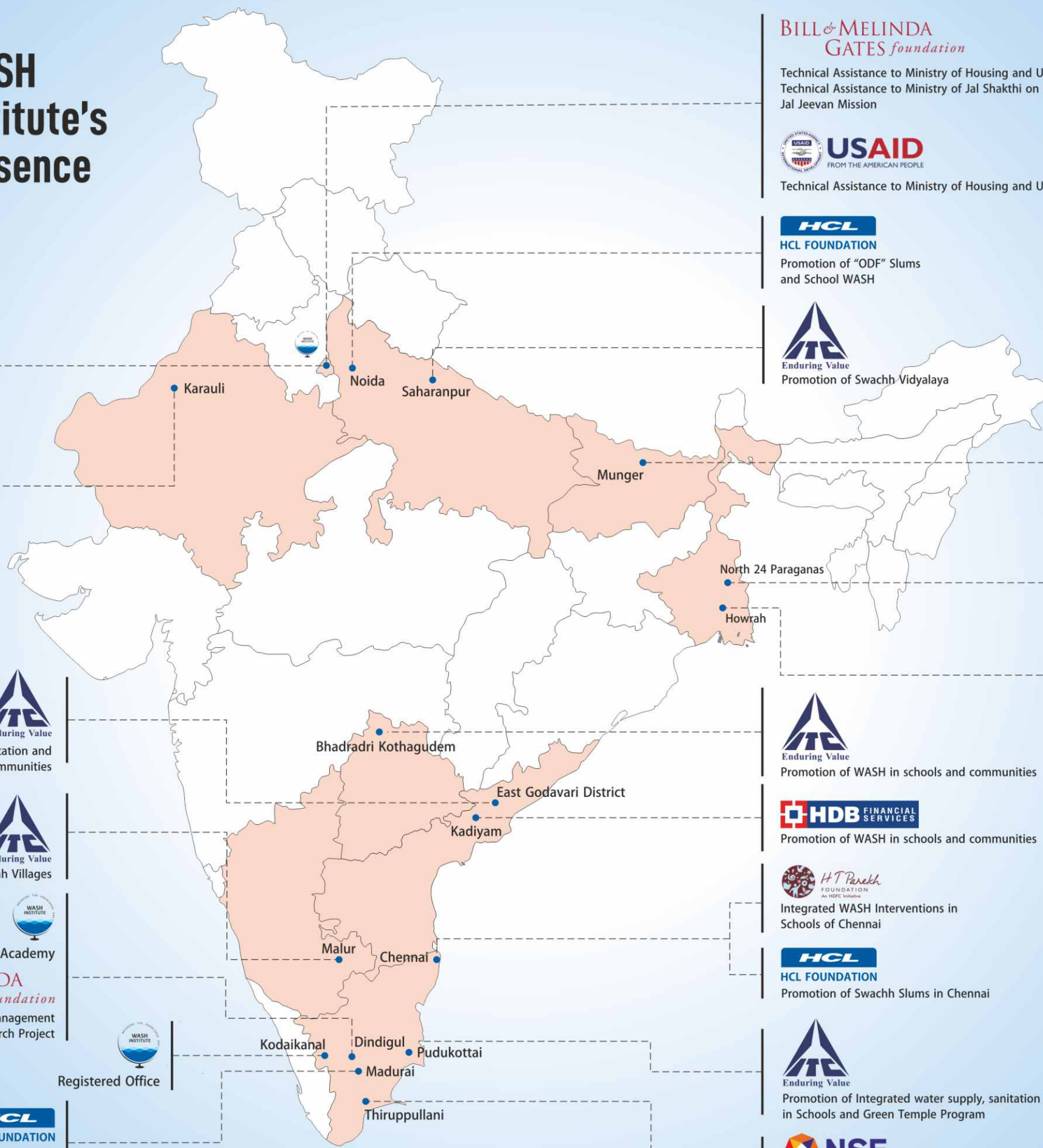
Faecal Sludge and Septage Management Research Project



Registered Office



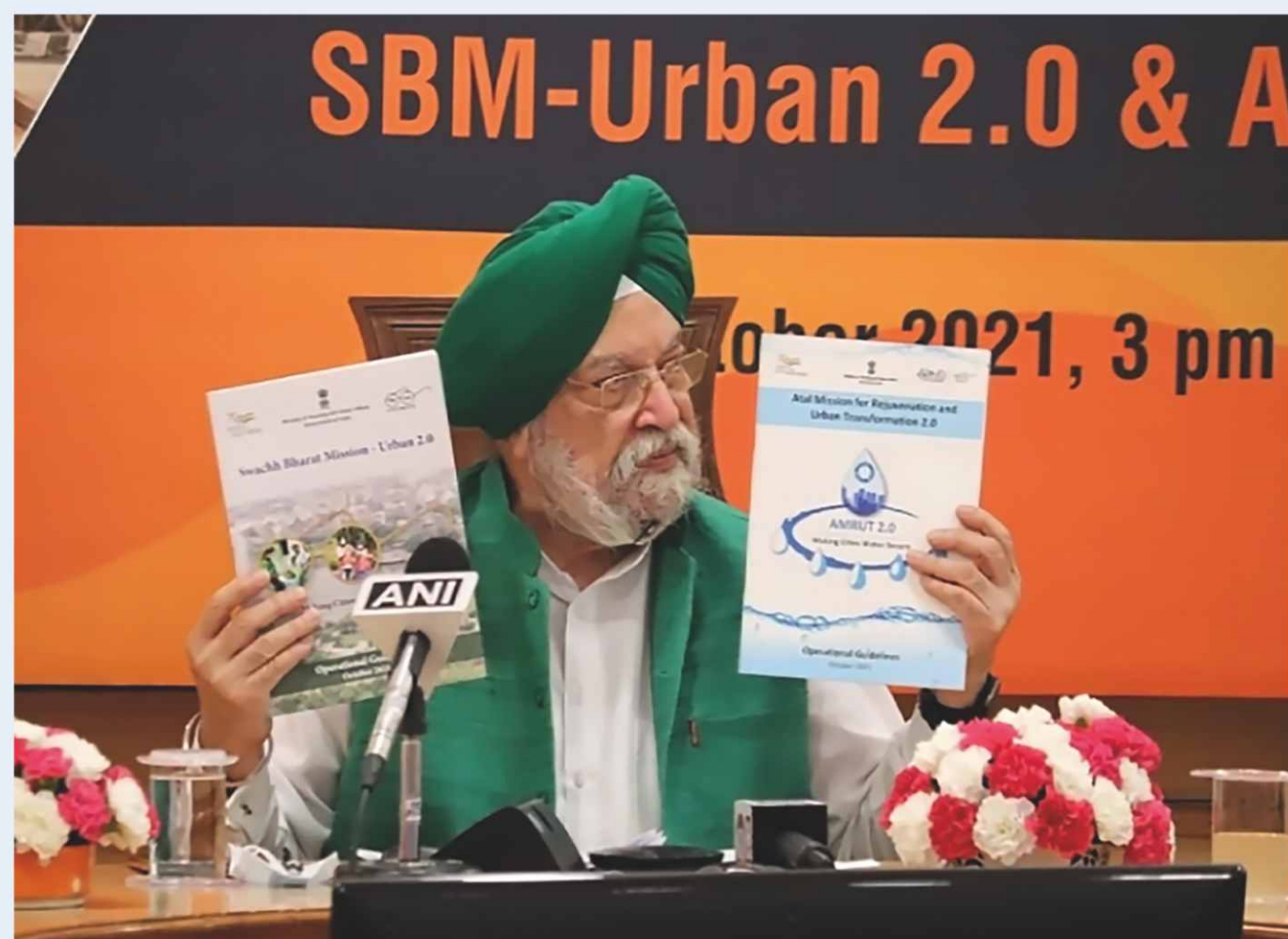
Promotion of Swachh Slums in Madurai



Technical Assistance to Government on Swachh Bharat Mission (SBM) and Jal Jeevan Mission (JJM)

A. Technical Assistance to Ministry of Housing and Urban Affairs (MoHUA) on SBM- Urban with the support of Bill and Melinda Gates Foundation

Introduction: PMU has proactively strived towards the development and roll out of robust policy frameworks aimed at accelerating the implementation of SBM-U 2.0. Towards this, PMU supported MoHUA in the development of the national mission guidelines, along with the revision, dissemination and implementation of key national advisories and protocols with emphasis on sustaining the ODF status of cities and enabling them to move towards ODF+, ODF++ and Water+ certifications for scaling up sustainable sanitation.



Key Accomplishments

- The draft SBM-U 2.0 guidelines were developed by PMU following multiple consultations with a range of stakeholders including senior officials and decision-makers from States, ULBs, private sector, parastatals bodies, and partner organizations. The SBM-U 2.0 guidelines were finalized and launched on 27th October.
- PMU conducted virtual training to all the States/UTs and ULBs on SBM2.0 guidelines. Further, States were provided handholding support for preparation and submission of City Sanitation Action Plans (CSAP) to avail the funds from SBM2.0.
- In order to achieve the objectives of SBM-U 2.0 in a time bound manner, Assam, Bihar, Himachal Pradesh, and Uttar Pradesh states were visited by the team to understand the solid and liquid waste management scenario of States across ULBs; strategy & roadmap for time-bound implementation of mission components; and to provide handholding support for the challenges being faced by States and Finalisation of action plan and funding matters.
- Virtual Trainings have been provided to officials of State Mission Directorate and parastatals of all States on Used Water Management (UWM) component of SBM (U) 2.0 including CSAP

preparation. This was mainly to make them understand the components as well as funding pattern under SBM 2.0 and technical know-how and implementation process. Handholding support was provided to Gujarat, Uttarakhand, Uttar Pradesh, and Orissa states in preparation of City Sanitation Action Plan (CSAPs).

- In the run up to seven years of SBM-U on 2nd October 2021, the PMU facilitated a campaign on social media titled '*Badhte Chalo Swachhata Ki Nayi Manzil Ki Ore*' to highlight the key achievements and milestones in sanitation and waste management. PMU Supported in Developing Communications Strategy for SBM-U 2.0 and organised consultative workshop on National Capacity Building and National Communication & Behaviour Change Strategy.
- PMU supported MoHUA to identify and develop indicators to capture gender and social inclusion-based outcomes across the focus areas of the mission. These indicators were operationalized as part of Swachh Survekshan 2022 and SBM-U 2.0 guidelines with the aim to foster a gendered service delivery approach and promote inclusivity in urban sanitation ecosystem.
- MoHUA kicked off week-long celebrations of 'Azaadi Ka Amrit Mahotsav' from 27th September to 3rd October 2021 wherein SBM-U organized a series of citizen centric activities under the overarching theme of 'Jan Bhagidari'. The PMU helped the Ministry to develop a comprehensive Standards of Procedure (SOP) for each of the above events, along with IEC collaterals, was shared with States/ UTs and ULBs.
- With an aim to enhance capacity building, talent management and human resource management of the civil services, Mission Karmayogi – the National Programme for Civil Services Capacity Building has been launched. PMU has been instrumental in ensuring the onboarding on iGOT Platform of SBM-U, MoHUA.
- The PMU supported MoHUA in redesigning and updating the Unified Technology Portal, a platform for capturing data on a range of sanitation and waste management parameters in real time, enabling data driven decisions and carrying out robust monitoring.
- To streamline the coordination between ULBs, States and the Ministry, PMU has developed a digital Proposal Management and Tracking System (PMTS) to track the entire life cycle of proposals and mission's funding.
- Supported in conceptualizing and rolling out of the "Swachh Technology Challenge". The PMU also conducted training and handholding sessions for ULBs focused on a detailed walkthrough of the Guidelines of this Challenge along with the application process.
- Supported in the design and roll out of Swachhata Start up challenge, launched on 27th January 2022,

in collaboration with Department for Promotion of Industry and Internal Trade (DPIIT) and Agence Française de Développement (AFD).

- On the 27th of September 2021, MoHUA flagged off the field assessments for the Safaimitra. The PMU conceptualized the parameters for assessment, developed formats for tracking progress, implemented the Skill Development Trainings of Safaimitras, and conducted monitoring of all the 100 lighthouse cities with support from the Sector Skills Council. All the necessary handholding support has been offered to States and Light House Cities to achieve 100% saturation in hiring and training human resources, procurement of core and special equipment and establishment of Responsible Sanitation Authority and Emergency Sanitation Response Unit.



- Assisted in analysing the viability of a satellite-based water quality monitoring tool in assessment of functionality of wastewater treatment systems in the small towns.
- A committee on Circular Economy in Municipal Solid and Liquid Waste was constituted under the chairmanship of Additional Secretary, Ministry of Housing and Urban Affairs by NITI Aayog. The PMU supported in preparation of action plans for wastewater and faecal sludge themes.
- Recommendations given on protocols of ODF+, ODF++ and Water+ with the support of MoHUA to make the certification process robust and transparent.
- Revised CT/PT scoring matrix by carrying out an analysis of all the existing parameters and formulating recommendations for rationalization by recategorizing all the parameters into mandatory and aspirational.
- Data collected on Water+ assessments by the third party, was verified by PMU by coordinating with the inspected cities/ States.
- The PMU supported in the design and development of redesigning the website for SBM-U after assessing the issues and requirements of MoHUA.
- The PMU supported MoHUA in drafting a data strategy model towards assessment of its Digital Governance Quality Index (DGQI). PMU developed a digital module for integrating the ODF certifications processes onto the Swachhatam portal (earlier the Unified Technology Portal)

- Undertook a comprehensive analysis of the trends emerging out of Swachh Survekshan 2021, the methodology used, and the large volume of citizen feedback (40000) received. This allowed the PMU team to improvise on the design and development for the 2022 edition.
- Assisted in on-boarding of third-party agency and played a leading role in day-to-day liaising with the third-party agency for the smooth conduct of assessments across cities. Handholding support is also provided to the cities to resolve their queries. PMU supported MoHUA in organizing regular review meetings with the third-party agency and provided inputs to resolve the challenges to streamline the project operations.
- PMU led the design and development of the Swachh Survekshan 2022 module capturing components such as Pre-assessment, Service Level Parameters and Citizen feedback.
- Supported in organizing a series of workshops titled 'Training of Master Trainers (Swachhta Margdarshaks)' to support capacities of key State/UTs and ULBs for effective implementation and performance in Swachh Survekshan 2022.
- PMU supported CPHEEO in preparation and incorporation of wastewater including FSSM component in the SBM-U 2.0 guidelines.
- Assisted CPHEEO in developing an advisory on "Land Application of Faecal Septage". This Advisory discusses various methods of the land application of faecal sludge and septage and the

steps associated with untreated discharge of septage on land and its drastic effects on the environment as well as the health of people.

- Compendium of "Recycle and Reuse of wastewater" was prepared for CPHEEO on current recycle and reuse practices in the country. Data was collected on current practices followed by cities on recycle and reuse of wastewater. The compendium was created with an intention to guide and encourage the other cities to implement to adopt similar practices.
- PMU at CPHEEO has been intensively involved in anchoring the SafaiMitra Suraksha Challenge in coordination with Ministry of Social Justice and Empowerment (MoSJE), National Safai Karamchari Finance Development Corporation (NSKFDC) and ULBs. It helped States / ULBs to organize 'loan melas' by mobilizing all key stakeholders engaged in this exercise, viz. NSKFDC, Channel Partners (Banks) of NSKFDC, machine manufacturers/exhibitors, along with ULBs and their workers.
- Supported CPHEEO in reviewing the DPR of 2MLD STP at Tezpur, Assam and DPRs of 24x7 water supply project of Shimla and Chandigarh.
- Assisted CPHEEO in preparation of "Guidebook on Municipal Solid Waste Management"
- Assisted CPHEEO in drafting "Advisory on Biomethanation of Municipal Organic Solid Waste".
- Assisted CPHEEO in drafting "Advisory on Construction and Demolition Waste Management".



B. Technical Assistance to Department of Drinking Water & Sanitation (DDWS), Ministry of Jal Shakti on SBM-Gramin with the support of Bill and Melinda Gates Foundation

Introduction: WASH Institute continued its Technical Assistance (TA) to Department of Drinking Water & Sanitation (DDWS), Ministry of Jal Shakti on Swachh Bharat Mission – Gramin (SBM-G). The organization has been providing Technical Assistance to the Ministry since 2016 with the support of Bill and Melinda Gates Foundation (BMGF).



Key Accomplishments



- **SUJALAM Campaign:** As a part of the Azadi Ka Amrit Mahotsav, the Ministry has launched SUJALAM, a 100 days campaign throughout the country for greywater management. The TA team contributed in designing and monitoring this campaign and supported states and union territories (UTs) in the construction of 1 million soak pits (community and individual) throughout the nation. The best

performing States in Individual Soak pits categories were Maharashtra, Madhya Pradesh, and Telangana. The best performing States in the Community Soak pit category were Madhya Pradesh, Odisha, and Uttar Pradesh.

- **Galvanizing Organic Bio-Agro Resources (GOBAR-dhan):** Facilitated trainings to the Government officials on implementing GOBAR-dhan project in their respective States and Union Territories against the projected target in Annual Implementation Plan of 2021-2022.
- As part of GOBAR-dhan scheme, the TA team assisted the Ministry in developing a Unified Portal to track the progress on the implementation.
- **Sarpanch Samvaad:** The TA team has identified the best practices and led the interaction among 200 PRIs to encourage Sarpanchs and Pradhans to maintain community hygiene, develop plans for solid and liquid waste management, and contribute

GOBARDHAN

A Janandolan on safe management of cattle and organic waste

333	Bio-Gas/CBG Plants - Functional
162	Bio-Gas/CBG Plants - Construction completed
69	Bio-Gas/CBG Plants - Construction in progress
13,168	Installed Capacity of Bio-Gas (in m ³)
2,98,687	Installed Capacity of Commercial CBG Plant (in kg)
125	Number of districts covered

Districts where project status is completed/functional

- to ODF plus. This helped in disseminating the best practices across the country.
- Swachh Iconic Places:** Facilitated in the launch of phase IV of Swachh Iconic Places (SIP) and identifying nine new sites. In this phase, the TA team assisted in designating PSUs for eight out of nine new sites for technical and financial support.
- Swachh Bharat Academy:** As part of the campaign titled "Gandagi Mukh Bharat" the TA team assisted in conceptualising and developing SBM Academy- a mobile based online learning system on ODF plus for field functionaries. TA team has also supported in developing the training manuals. The IVR based training course trained 45,000 Swachhagrahis and other grassroots workers so far. Further, a total of 1058 Master trainers were trained through 182 training batches from nine states.
- Joint Advisories:** Assisted in drafting following advisories:
 - Joint Advisory on Urban and Rural Convergence for Faecal Sludge Management and Plastic Waste Management.
 - Joint Advisory on Menstrual Hygiene Management for installation of Incinerators in Villages and Schools as Convergence between Ministry of Education and Department of Drinking Water and Sanitation, Ministry of Jal Shakti.
- Swachhta Action Plan (SAP):** Assisted Ministries in developing SAP support to ODF plus activities. Over 60 Ministries and Departments have allocated 2741739.42 lakh money under SAP, out of which 2687972.78 lakh have been utilized.
- TA team assisted the Ministry in categorising a total of 53,773 ODF plus villages into Aspiring (30,855), Rising (7,373) and Model (15,548).
- TA team facilitated in covering 60,197 and 36,005 villages in Solid Waste Management (SLWM) and Liquid Waste Management (LWM) respectively.
- Assisted in drafting and finalizing Manuals and Toolkits on Faecal Sludge Management, Greywater Management, Plastic Waste Management, Bio-Degradable Waste Management, and IEC.
- Assisted in preparation of brochure on Menstrual Hygiene Management and launching the same on International Women's Day.
- Assisted the Ministry in conceptualising activities such as Secretary and Special Secretary Samvad with women sarpanchs on International Women Day.
- Assisted in conducting trainings for all the States and Union Territories on SBM-G Manuals and toolkits.
- TA team supported in organizing four regional conferences, with Ministry and State officials in West Bengal, Assam, Karnataka and Rajasthan. The conferences were on ODF Plus sustainability, SLWM, and Village cleanliness. The conference was also focused on convergence with 15th Finance Commission, MGNREGA & SBM-G fund and implementation strategies.
- Assisted in organizing ODF plus workshops on best practices on Solid and Liquid waste management.
- Facilitated in organising Inter-ministerial discussion on World Water Day. The discussions were focused on launching SUJALAM 2 with nine ministries.
- Facilitated in conducting Workshops on ODF Plus Verticals with States.
- Awareness and Behaviour Change Activities:** As part of sustained effort for spreading awareness among the rural masses, the TA team conceptualised in organising activities such as National Level Wall Painting Competition, National Level Slogan Writing Competition, and National Level Film Competition. The TA team also monitored the activities conducted.
- Promoted alternatives to single use of plastic products and segregation of plastic waste.
- Over 14Lakh citizens across the country participated in awareness activity to curb the use of plastics. More than 98,000 Gram Panchayats (GP) took resolution to ban the single use of plastic.

C. Technical Assistance to Department of Drinking Water & Sanitation (DDWS), Ministry of Jal Shakti, on Jal Jeevan Mission (JJM)

Introduction: WASH Institute continued its Technical Assistance to Department of Drinking Water & Sanitation (DDWS), Ministry of Jal Shakti on Jal Jeevan Mission (JJM) for the 2nd year, since 2019 with the support of Bill and Melinda Gates Foundation (BMGF).

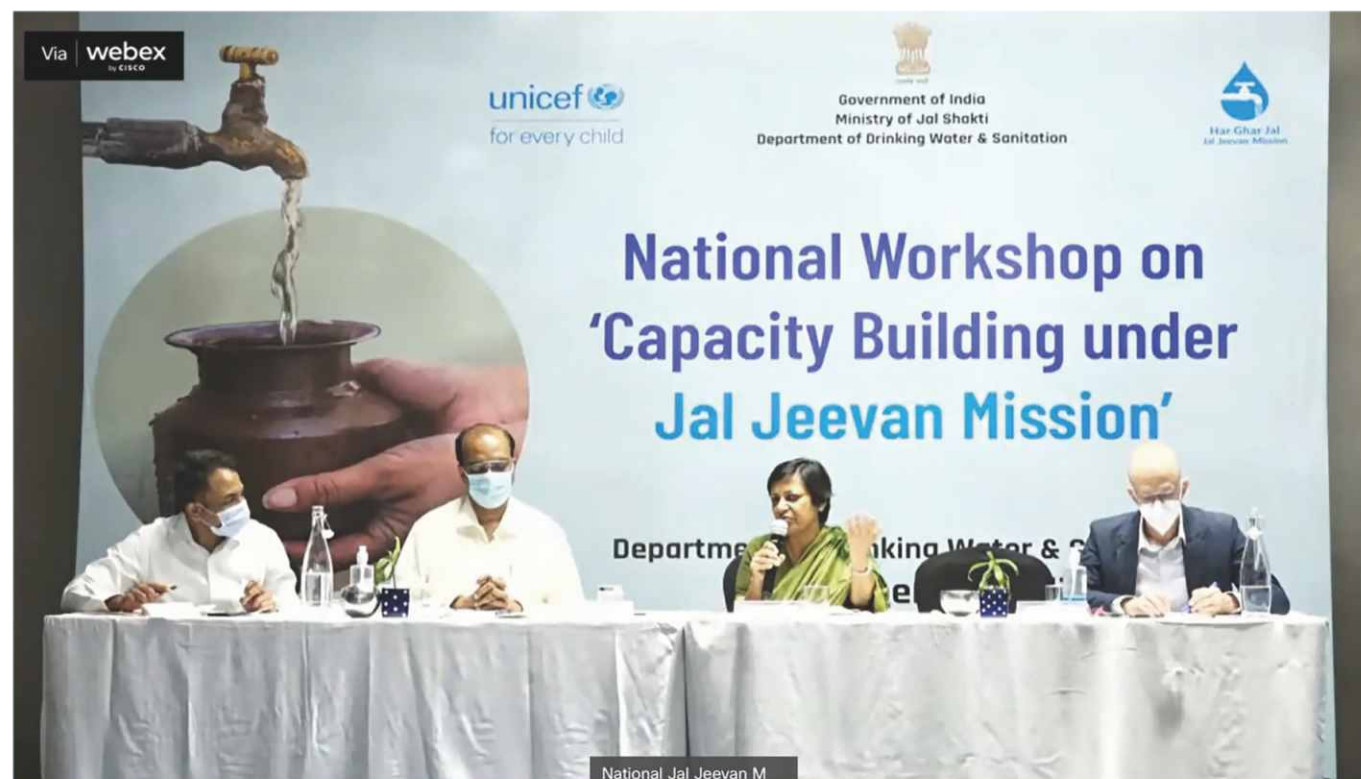


Key Accomplishments

- Annual Action Plan (AAP):** Assisted in planning and implementation of rural water supply i.e household tap water connection by States/ UTs under Jal Jeevan Mission.
- State Level Scheme Sanctioning Committee (SLSSC) review:** Facilitated in the review of the SLSSC plans of States/UTs which included intra/ inter district distribution networks, regional water supply schemes, bulk water transfer through water grids, water treatment plants etc.
- Visited States/UTs and to provide assistance in planning and implementation of rural water supply scheme, capacity building of the stakeholders, branding and community engagement under JJM.
- Developed concept note for developing short videos on various thematic areas under JJM for training and education. Disseminated the IEC materials on JJM Social Media handles.
- Developed documents such as 'JJM reform document', 'JJM Booklet', and '2 years of JJM journey'.



- Prepared Coffee Table Book on 'PM SAMVAD with VWSC/ Paani Samiti members.
- Developed 'Water Quality Surveillance and Monitoring framework' which focuses on assuring safe water supply by March 2024. This framework also introduced a necessary institutional arrangement that separates the service provider from regulator.



- Developed 'Capacity building training manual for Level 3 Key Resource Centres (KRCs)'. This is a detailed 5-day training manual for Level 3 resource persons.
- Developed manual for the 'Utilization of 15th Finance Commission tied grant to RLBs/ PRIs for water & sanitation.
- Drafted the 'Roadmap on Greywater Management' under JJM for various edaphoclimatic zones. The document includes different technological options for greywater management for different climatic zones.
- Drafted 'Plumber's manual' & 'Pump Operators manual' under skill development.
- Organized one day IEC workshop for Water and Sanitation Support Organization (WSSO) Directors and States/ UTs IEC nodal officers at New Delhi.
- Organized one day Media orientation workshop in New Delhi for print media, electronic media, radio jockeys and bloggers.
- With an objective to orient the engineers on their roles and responsibilities and motivate them to act as change agent, a one-day workshop for Engineers at New Delhi was organized.
- Organized PM SAMVAD with Village Water and Sanitation Committee (VWSC)/ Paani Samiti members on 2nd October 2021.
- Organized 2 days National Workshop for KRCs with the objective of cross learning, resolving issues, challenges faced by KRCs, and to provide a platform to share best practices.
- Supported in Regional Workshops on JJM and SBM held in Bengaluru, Kolkata, and Jaipur.
- Coordinated with different development partners,

States, practitioners for publishing success stories and articles in JJM Samvad, the monthly newsletter.

- Developed curtain raiser and press releases for events and workshops on milestone achievements under various thematic areas of JJM.
- Developed various IEC/BCC materials for JJM Social Media Handles and banners, standees etc for workshops and events.
- Developed Statement of Purposes for States to observe 'Azadi Ka Amrit Mahotsav (AKAM) for State events. Under AKAM, the team developed video testimonials and questionnaires for social media campaign running by MyGov.
- Developed concept notes and Statement of Purpose for States to observe World Water Day.
- Provided handholding support on capacity building, IEC strategy, water quality management, etc. to all States/ UTs.

WASH Institute's fight against COVID-19

India witnessed the devastating second wave in 2021-2022 that placed an unprecedented burden on the health system. In several states and cities oxygen supplies were critical, patients were turned away by the hospitals, and crematoriums ran out of space. However, just when the country thought that it has put the worst behind, nation reported the third wave of COVID-19 in the first half of the year 2022. In view of the continued humanitarian crisis, WASH Institute continued its COVID relief operations in enabling the vulnerable population such as poor community members, school children, elderlies to combat the disease effectively.

During the ongoing crisis, WASH Institute partnered with UNICEF, HCL Foundation, NSE foundation, ITC

Limited and Dasra to provide COVID relief services in six locations namely Chennai, Dindigul, Hinduan, Madurai, Munger and Ramanthpuram. The program provided Personal Protective Equipment (PPE) Kits, Hygiene Kits, Handwashing stations, cleaning materials, N-95 masks to sanitation workers, students, and Primary Health Care workers. COVID-19 vaccination camps were also facilitated for the community members. Further, foot operated hand washing stations were installed in public places to provide access to safe handwashing facilities to people. Under these interventions a total of 294645 community members, sanitation workers, health workers, school students were benefitted.



Awareness Generation and Behaviour change

WASHi conducted more than 60 IEC/BCC activities such as street plays, video shows, mobile announcements, phone calling in Chennai, Dindigul, Madurai, Munger, Hindaun and Ramanathapuram, educating 1,94,858 community members on hygiene practices and necessary precautions to be taken. In addition, the team organized 218 camps for COVID-19 vaccination facilitation, benefitting a total of 22755 community members.

To continue generating awareness on COVID-19 precautionary measures, the team conducted 167 trainings for 505 school teachers, sanitary workers and frontline workers.



City wise beneficiaries impacted through distribution of Cleaning Materials, PPE Kits, Hygiene Kits and Installation of Hand Washing Station

4415

Dindigul

9000

Ramanathapuram

11705

Hinduan

12042

Madurai

22555

Munger

234928

Chennai



180

Hand Washing Stations installed



1978

Cleaning Materials distributed



2403

Hygiene Kits distributed



1578

PPE Kits distributed



218

COVID vaccination camps



22555

N-95 mask distribution

WASH Academy

Introduction: WASH Academy was established in 2008 (previously known as Formal Course Center) and since then it has developed a cadre of trained professionals in WASH sector.

Till date, a total of 266 students have passed out from the WASH Academy. Many of the students that have passed out from WASH Academy are serving the nation by working in various Municipal Corporations as Sanitary Inspectors and in Govt. Hospitals as Health Inspectors. Out of these, 84 passed out students are working as Sanitary Inspectors in Greater Chennai Corporation, Madurai Corporation, Dindigul Corporation while 44 are working as Health Inspectors in Government Primary Health Hospitals in different Districts across Tamil Nadu.



Key achievements

Two Years Diploma in Sanitary Inspector/ Health Inspector/ Multipurpose Health Worker (Male) Course

During this year, a total of 34 students from batch 2021-2023 were enrolled in the Two-Year Health Inspector Course. Further, in December 2021, a total of 12 students passed out from the 2019-2021 batch.

One Year PG-Diploma in Sanitary Inspector Course

During this year, a total of 41 students were enrolled in One Year Sanitary Inspector Course out of which 16 students were male and 25 students were female. These students were also involved in exposure visits to solid waste management sites, Polio Vaccination camp, etc.

Internship, Trainings, and Exposure Visits:

- 34 students from the Two Years Diploma in Health Inspector course participated in a Supervisory Field Training to Kannivadi Town Panchayat (visited Primary Health Cares, Health Sub Centre) and Madurai Corporation, Oddanchatram Municipality.
- Four trainings were delivered on water, faecal sludge, environmental chemistry, septage management and climate change and to the

students, academicians, and researchers. The participants were trained on range of topics, including significance of Modified Cellulose Acetate and Poly sulphone Ultrafiltration membrane in wastewater treatment, non-sewered sanitation, etc. A total of 846 people participated.

- WASH Academy participated in HYDRO 2021 International, a conference organized by Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat. The conference was on strategies for adaptation of solid waste management infrastructure in coastal areas to climate change. The conference witnessed a paper presentation and by Dr. Anu Rachel Thomas, a teaching staff of WASH Academy.
- A one-day online seminar was conducted for the industry workers at Nano Land Industry where the participants were trained on "Impacts of Hard water and Soft water" by Dr. Hemalatha Durairaj. A total of 100 students participated in the training.
- Two trainings on water conservation, and wastewater treatment and management were organized for the students, faculties or engineers of Sakthi College of Arts and Science for Woman, Oddanchatram and St. Peter's Engineering College, Hyderabad.

- As part of Faecal Sludge and Septage Management, and wastewater management, a one-day online training was conducted for 50 internal staff members on Bio solids Reuse and Regulation. The training covered both the basics and circular economy of biosolids.
- A half a day training program was conducted on basics of Biosolids Reuse and regulation. The training was attended by 50 NGO Consortium partners of HCL Foundation.
- An internship training was also conducted for three B.Tech., (Energy and Environmental Engineering) final year students of Tamil Nadu Agricultural University. The training was on "Investigation on household wastewater management system" at Karumandisellipalayam, Erode District, Tamil Nadu.
- The students of Health Inspector course participated in seven Mega Vaccination camps and supported Primary Health Centre Staff members for vaccinating public. During this camp, 7921 males and 6445 females were vaccinated.
- The students of PG Diploma in Sanitary Inspector course and PG Diploma in Water and Wastewater Quality Management participated in an exposure visit to the solid waste management facility in Palani Municipality. The students were educated on daily waste generation in the municipality, and the process of source segregation of solid waste. A total of 98 students participated.
- A seminar was organized for the students of PG Diploma Sanitary Inspector Course on "Recent trends in Environmental Sanitation Science". The seminar witnessed students presenting on the topic and getting felicitated by the Executive Director Mr. Arumugam Kalimuthu. Total 44 students participated in the seminar.



- WASH Academy hosted students and teachers from Bon Secours Arts & Science College, Department of Chemistry & Physics during a half a-day exposure visit. A total of 30 students visited the Sanitation Park where the sanitation models such as different prototypes of toilet structures, single pit, twin pits, septic tanks etc were explained to them. The students also visited the Water and Wastewater Laboratory.
- World Water Day was celebrated in WASH Academy where a total of 98 students participated and presented their ideas on the theme "Groundwater, making the invisible visible".

- Dr. S. Kannan, Professor and Head, Department of Environmental Studies, delivered a lecture to the students of Sanitary Inspector course on importance of sanitation.

Testimonial



My journey in WASH Institute was a learning experience. I was in the 2020-2021 batch of PG Diploma in Sanitary Inspector Course. I would like to thank all the teachers of WASH Academy who guided me during and after the completion of the course. I have also received immense support while I was undertaking Community field level trainings and Supervisory trainings."

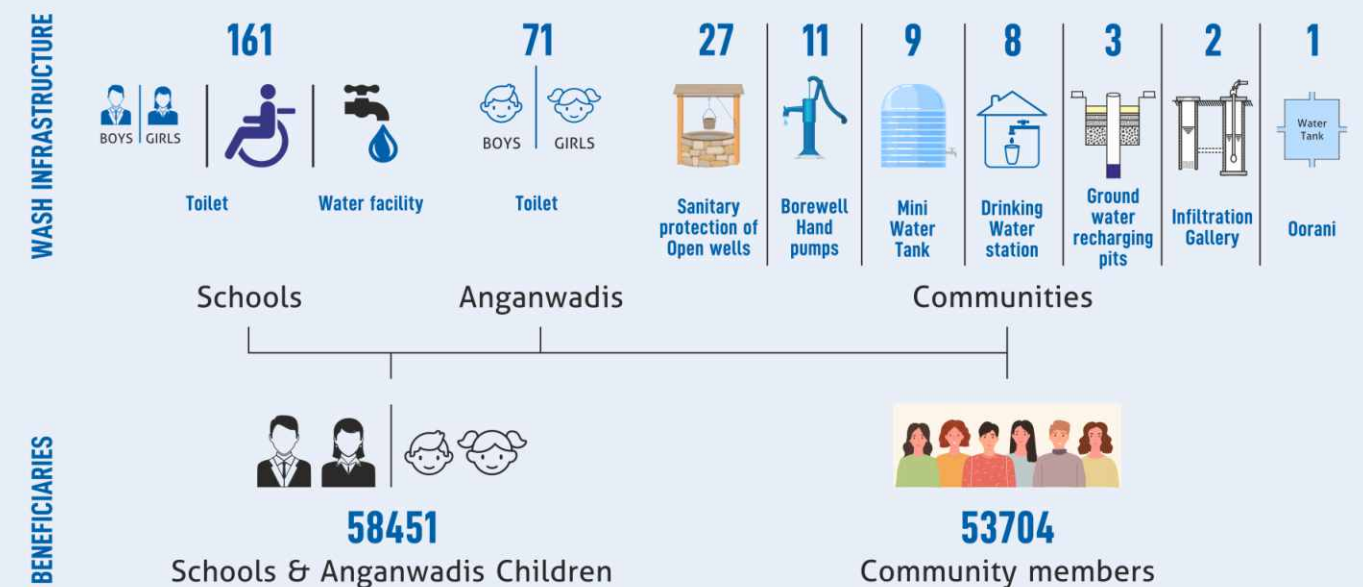
-Ms. K. Iniya

Mobile septage Treatment Unit (MTU)



Mobile septage Treatment Unit is a unique technology researched and developed by WASH institute in the year 2018. The technology is one of the feasible onsite treatment technologies for safely discharging septage from the septic tanks. This year, it has treated a total of 4,31,653 litres of septage from 103 septic tanks. As part of the mandate of receiving technical validation from a national level institution, the technology has also been technically validated by BITS Pilani, Goa. This year was also significant in terms of demonstrating the operations of the technology to the Jabalpur ULB through a national event called Loan Mela, under Safaimitra Suraksha Challenge launched by the Ministry of Housing and Urban Affairs (MoHUA).

Community / Grassroot Level WASH Projects



A. Promoting Swachh Slums in Madurai

Introduction: This project began in 2016 with the support of HCL Foundation, and since then has been enabling schools and communities of Madurai Corporation areas get access to improved WASH facilities. In addition, the project also focuses on generating awareness with respect to improved hygiene practices among the community members and students.

Key Achievements

Access to Improved Water and Sanitation Facilities

Construction of Child, Gender, PwD friendly WASH facilities: Six sanitary blocks with handwashing and drinking water stations were constructed in Anupandy Corporation high school, Tiru. Vi. Ka Corporation Higher Secondary School, Velliveethiyar Corporation Girls Higher Secondary School, Ponmudiyar Corporation Girls Higher Secondary school, Balamathiram Higher Secondary school, and Kambar Corporation High School. A total of 4340 school students (2557 girls, 1783 boys) were benefitted.

Construction of Drinking Water stations in slums: Eight mini drinking water stations (Mini Tanks with multiple taps) were installed to provide access to safe drinking water to the community members 548 were benefitted through this intervention.

Awareness Generation and Behaviour Change Activities

Hygiene sessions with school students: With an aim to instil good hygiene practices among school children, regular hygiene sessions were conducted in nine schools with 280 students. These regular trainings played an important role in enabling the students inculcate habit of washing hands with soap and following other hygiene related practices such as keeping the toilets and the surrounding clean.

Formation and Training of WATSAN Committees in schools and communities on hygiene and O&M: WATSAN committees are an intrinsic part to ensure the sustainability of the project. This year, the team formed 17 school and Community WATSAN Committees comprising 324 students and community members. The community members and school students were trained to ensure operation and maintenance of WASH facilities and to instil sense of improved hygiene practices among them.

Orientation on Hygiene and O&M with School Teachers and School Management Committee (SMC) member: School Management Committees also play an essential part in the school WASH program, especially in ensuring robust functioning of the WASH facilities. This year, the project team organized nine such meetings with 333 SMC members and discussed issues related to hygiene and operation and maintenance of WASH Infrastructure.

Promotion of Swachhta Shramdhan in schools Swachhata Shramdhan activities were promoted in 10 schools to impart awareness on cleanliness. The activities witnessed participation of about 221 students and teachers who were educated on the significance of solid and liquid waste management, and construction of compost pits.

Awareness Generation Activities: Eleven awareness generation activities such as street plays, video screenings etc, were conducted in six communities

with 569 community members. The activities were organized to instil the importance of hygiene practices especially during the pandemic. These activities along with bringing forth the importance of hygiene practices such as washing hands, using toilets, also generated awareness on conserving water. The project team also conducted door to door visits to reach out to 224 households with messages on hygiene practices. As a part of the awareness generation activities, 27 wall paintings were also developed on WASH and water conservation at places of exposure to sensitize the community members and school students on the significance of sanitation and water conservation.

Capacity Building and Convergence

Refresher & follow up training and monitoring of WATSAN committees in existing slums: 38 refresher and follow up meetings were organized with the community WATSAN committees to ensure the beneficiaries are better informed on improved WASH practices. The follow up meetings, therefore focussed on behaviour change activities such as waste segregation, washing hands, and operation and maintenance of the constructed WASH facilities. A total of 618 community members participated.

Training to Sanitation workers /Anganwadi workers / SHG Leaders on WASH and Hygiene practice: Four trainings were organized for staff and key stakeholders such as SHG leaders, Community members and Anganwadi workers on WASH and hygiene practices. A total of 124 participants were oriented on safe water handling, personal hygiene, food hygiene and menstrual hygiene.

Orientation on Bio Solids reuse and its regulations to the Consortium partners: WASH Institute organized a half day orientation session on bio solid reuse and its regulation for all NGO Consortium partners of HCL Foundation. The aim of the session was to enhance the knowledge of consortium partners on reuse of Bio Solids and its existing regulations. The orientation session was attended by 31 participants.

Observance of Special Days

Special events such as World Water Day, World Environment Day, Menstrual Hygiene Day, World

Handwashing Day, and World toilet day were observed in target schools and communities with active participation of 1178 school students and community members. These special days were celebrated by organizing various competitions, plantation drives, and meetings that focussed widely on washing hands with soaps, using toilets, and conserving water.



Testimonial



"I am glad that disabled children studying in our school will now have access to disabled friendly sanitary block. Along with the construction activity, I am happy that the students are also learning how to bring behavioural changes among themselves. I thank HCL foundation and WASH Institute for their intervention."

Mr. S.V. Murugan
Headmaster of Kambar Corporation
Higher Secondary School

B. Promoting Swachh Slums in Chennai

Introduction: The project was initiated in 2018 to enable communities and schools of Chennai Corporation areas get access to improved WASH facilities apart from promoting better hygiene practices. The project also emphasizes on engaging the stakeholders in project implementation and ensures sustainability of WASH services.

Access to Improved Water and Sanitation Facilities

Construction of Individual Household Toilets (IHHTs): 75 Household modular toilets with solar lighting were installed in Gandhinagar community which enabled the community members get access to improved sanitation. The toilets connected with twin pits to ensure faecal sludge is safely managed.

Restoration of water point at Government Higher Secondary school, Sholinganallur, Chennai. This year, the project team renovated a drinking water station in the Government Higher Secondary School, Sholinganallur. Plumbing works such as fixing taps and installing an outlet pipe were ensured along with finishing works. The intervention enabled 1492



students (642 girls, 850 boys) and 10 teachers, and other stakeholders get access to safe drinking water.

Awareness Generation and Behaviour Change Activities

Activities such as door to door hygiene education, auto announcement systems, video shows were conducted to continue educating and sensitizing the community members and the students on improved WASH practices and COVID-19. Keeping in view the pandemic, the team adopted auto announcement systems as one of the strategies to generate awareness. A total of 6982 community members participated in 45 such activities.

Capacity Building and Convergence

Training to the school WATSAN Committee members: Four trainings were provided to the school WATSAN Committee members on toilet usage, proper disposal of solid waste in dustbins, and good hygiene practices. The students were also trained on operation and maintenance of the WASH facilities. These trainings were attended by 73 students (40 girls, 33 boys) and two teachers.

Training to the WATSAN Committee members: 20 Training & Capacity building trainings were provided to the WATSAN committee members on COVID 19 safety protocols, menstrual hygiene management, IHHL maintenance & usage, personal hygiene, solid waste management and grey water management. The women were also provided trainings on phenyl making and were motivated to initiate a small business enterprise. The trainings were attended by 253 community members.

Training on waste composting methods and bio-digesters: The team conducted six batches of trainings on the importance of source segregation of domestic waste and organic waste composting. The participants were trained on composting through bio-digesters. A bio-digester is a system that biologically digests organic material, either anaerobically or

aerobically. A total of 148 people participated who were also provided with two dustbins each for segregating wet waste & dry waste separately.

Testimonial



"In past, I was always in constant state of panic whenever my daughters used to go outside for defecation/ urination. But not anymore. Today I have my own toilet in my premises. I thank WASH Institute and HCL Foundation for making this possible for me"

Mrs. Kanagavalli Sudalaimuthu

Meeting with the User Groups: 20 meetings were conducted with 10 community User Groups to generate awareness on the ongoing renovation work of the Mini water tanks. The meetings were also conducted to build ownership among the community members towards the infrastructure for proper operation and maintenance of the same. These meetings were attended by a total of 113 community members.

Meeting with women's group: In view of the ongoing pandemic, the team distributed hygiene kits to 900 families of Gandhinagar community during one of the meetings with women. The hygiene kits comprised a bottle of phenyl, hand sanitizer, cotton bag, two face masks, a pair of hand gloves, handwash, and bleaching powder.

Meeting with key stakeholders: A meeting was organized with various stakeholders to share the project deliverables and the associated outcomes. A total of 30 participants including personnel from Greater Chennai Corporation, HCLF SPOC, school teachers, NGO partners, vendors, volunteers, and

WATSAN committee members participated in the meeting.

Meeting with children: Inadequate WASH facilities and unimproved hygiene practices often are the root causes of diarrheal deaths and many other diseases among school children. Therefore, 15 meetings were conducted with children where they were educated on good hygiene practices, proper usage of toilets, COVID-19 safety protocols etc. A total of 179 children participated in the meetings.

Observance of Special Days

Special events such as World Toilet Day, Global Hand Washing Day, World Menstrual Hygiene Day, International Women's Day, and World Water Day were observed with an active involvement of 113 school students, six teachers and community members in Gandhinagar community and Sholinganallur Government Middle School. The team conducted various innovative and audience engaging awareness generation activities such as various games on improved WASH practices.

C. Promotion of Integrated Water Supply, Sanitation and Hygiene in Schools and Community of East Godavari district of Andhra Pradesh

Introduction: In partnership with ITC Limited, WASH Institute in the year 2019 initiated this project in Government schools across 88 wards of Anaparthi Mandal. The project aims to enable students, teachers and Parents' Committees access to improved Child, Gender, and Persons with Disabilities (PwD) friendly WASH facilities. Until now, the project has enabled 1735 students to have access to safe sanitation in 23 schools and Anganwadis. With the realization that only construction activities alone would not bring sustainable changes, WASH Institute has made systematic efforts to apply best practices from the field to bring behavioural changes among target beneficiaries.



Access to Improved Water and Sanitation Facilities

Construction of Toilet Blocks in schools and Anganwadi centres: In 2021-2022, new toilet blocks were constructed in four schools and nine Anganwadi centres. The toilet blocks constructed were gender, child and PwD friendly and were provided with 21 handwashing stations, two dining halls and four compound walls to ensure hygiene and safety of the students. The improved WASH facilities enabled 1735 students (829 girls, and 906 boys) access to safe sanitation and drinking water facilities.

Renovation of school toilet blocks: Along with the construction activities, the project team also renovated toilet blocks in two schools and six Anganwadi centres. The renovation included slab casting, plumbing works and finishing works. Such intervention enabled 82 students (32 girls, 50 boys) and 117 Anganwadi children (58 girls, 59 boys) get access to improved sanitation and safe drinking water services.

Awareness Generation and Behaviour Change Activities

As a part of IEC/BCC, activities such as video shows, hygiene sessions, were conducted in 23 schools on improved hygiene practices such as washing hands, solid waste management etc. Apart from these, wall paintings and signage boards were developed to educate the schools on COVID-19, improved WASH practices, and on plastic pollution.

Observance of Special Days

To continue sensitizing the communities and schools on improved WASH practices, events such as International Women's Day, World Toilet Day, Global Handwashing Day were celebrated with 814 students and community members. On International Women's Day, the team felicitated women sanitation workers for their unwavering commitment to ensure safety of people during the pandemic.

Capacity Building and Convergence

Mandal Level Stakeholders' Meetings: Two meetings were conducted with key stakeholders to emphasize on the importance of WASH, and to share project related outcomes. A total of 70 stakeholders participated including school teachers, parents,

Mandal Education Officer and officials from Gram Panchayat. The meetings were conducted to mobilize resources for smooth project implementation.

Formation and Strengthening of Child Cabinets: 21 child cabinets were formed to ensure sustainability of WASH infrastructure constructed and renovated in the intervened schools. The Child Cabinet members were oriented on their roles and responsibilities towards better upkeep of the WASH infrastructure. The members were also provided trainings to develop leadership qualities to help instil improved hygiene practices among their peers. To strengthen the Child Cabinets further on Operation & Maintenance, the project team conducted 50 meetings with the members. A total of 710 children were involved in the activity.

Food Hygiene Training for Mid-Day Meal (MDM) Workers and training for Child Care Takers: Four food hygiene trainings were organized for 66 MDM workers and child caretakers to educate them on food handling practices while serving food to children. The participants were also provided with head caps, hand gloves and were educated on importance of washing hands before and after serving food.

Training of Teachers on hygiene promotion in schools: Teachers' training is an important aspect that not only enables better delivery of basic education but also ensures overall development of students. Therefore, a training was conducted with 25 teachers on improved hygiene practices to enable them to imbibe the significance of the same to children in an effective manner.

Strengthening of the committees of parents and mothers: 1711 parents and mothers were sensitized on operation and maintenance of WASH facilities, food safety measures, childcare practices etc. The parents were also motivated to contribute funds for better upkeep of the WASH facilities. A total of 100 such activities were conducted.

Formation and strengthening of Little Doctor Groups: 112 children from 20 schools were selected and trained on using the first aid box to address injuries suffered by the students while playing. A total of 36 such activities were conducted.

Testimonial

"I have learned the steps of washing hands with soap from team members of WASH Institute. However, I could not practice the steps of washing hands due to absence of a hand washing station in our school. Thanks to WASH Institute and ITC Ltd, we now have a hand washing station with soaps where I can wash my hands before and after having food and after using toilet. The taps are also installed according to the heights of the students which help me wash hands easily".

-V Puja, 5th class, MPP primary school in Vedurupaka village



D. Promotion of Water, Sanitation and Hygiene in Schools and Communities in Bhadrachalam and Medak Districts of Telangana State

Introduction: In partnership with ITC Ltd, WASH Institute has been implementing this project since 2016 across 33 Gram Panchayats in the districts of Bhadrachalam and Medak, Telangana. The project focusses on enabling schools and vulnerable communities get access to WASH services and to promote improved hygiene behaviour.



Access to Improved Water and Sanitation Facilities

Construction of school WASH facilities in Bhadrachalam and Medak districts: To enable students of these two districts an access to improved sanitation, child, gender, and PwD friendly toilet blocks were constructed in 21 schools of Bhadrachalam district and seven schools of Medak district. The facilities included provision of hand wash stations, kitchen sheds, compound halls, dining halls etc. In addition to construct new facilities, the project also renovated toilets and urinals in some of these schools. The facilities enabled 2760 students (1624 girls, 1136 boys) access to improved sanitation.

Construction of WASH facilities in Anganwadis of Bhadrachalam and Medak districts: Constructing improved WASH facilities in Anganwadi centres is first step towards ensuring a conducive learning environment for the young children, which further aids them in developing good hygiene practices from an early age. In view of this, child friendly toilet blocks were constructed in 11 Anganwadis of Bhadrachalam area and five Anganwadis of Medak district. The facilities included hand wash stations, and enabled 909 children (549 girls, 360 boys) access to improved sanitation and safe drinking water facilities.

Awareness Generation and Behaviour Change Activities

School Hygiene Sessions: In a continuous effort to enable children inculcate the habit of practicing good hygiene, 259 hygiene sessions were conducted in 64

schools using IEC materials on WASH. These IEC materials were distributed among 4927 participants.

Mass Awareness Sessions: 42 awareness generation and orientation sessions were conducted on scientific management of solid waste. The sessions comprised information on source segregation of waste, composting, etc. and involved 2378 SHG women, Indira Kranthi Pratham (IKP) members, Anganwadi workers, youth etc. The programs were conducted through door-to-door visits by the Swachhagrahis who imparted the awareness by distributing IEC/BCC materials.

Hub/Spoke GPs Exposure visits: 21 exposure visits were conducted to the hub Gram Panchayats (GPs) for the officials from adjacent GPs to understand about the decentralized Solid waste management plan and scaling up of the same in their GPs. A total of 874 officials participated.

Menstrual Hygiene Management (MHM): Poor awareness on maintaining hygiene during menstrual cycle has affected health of many adolescent girls and also resulted in increase in the rate of school dropouts. To educate them on menstrual hygiene management, 10 sessions on MHM were organized with an active participation of 552 adolescent girls.

Strengthening of Child Cabinets: Child Cabinets are formed and strengthened to ensure sustainability of the project by training them on operation and maintenance, and on improved WASH practices. This year, the team organized 49 of such activities with participation of 479 school students from both districts.

Capacity Building and Convergence

Meeting with School Management committees (SMCs): SMCs in schools play a huge role in mobilizing resources towards upkeep of the school WASH facilities. Therefore, 76 meetings were organized in Bhadrachalam and Medak districts with 579 SMC members to aware and strengthen them further on importance of WASH and the upkeep of the facilities.

Observance of Special Days

Special days such as World Toilet Day, and World Water Day were celebrated with 4641 school students in 77 schools. Students were educated on the significance of World Water Day and World Toilet Day through drawing competitions, quiz competitions, essay writing etc.

Testimonial

"The Decentralized Rural Solid Waste Management has brought a beautiful change to our village. The initiative has not only made our village look clean but has also developed ownership among the villagers to keep the village clean. I thank WASH Institute and ITC MSK for their technical support in the initiative as due to their efforts, we received INR 20,00,000 for village development from Swachh Bharat Mission."

- Ms. Bukya Bhagyashree Sarpanch,
Kannayigudem Karakagudem Mandalam Bhadrachalam District



E. Promotion of Integrated Water Supply, Sanitation and Hygiene in Schools and Green Temple Program

Introduction: With the support of ITC Ltd, the project commenced in 2021 in Viramalai block of Pudukottai district. The project focuses on enabling the schools and Anganwadi centres get access to improved sanitation and safe drinking water facilities. As an intrinsic part of the project, the team conducts various IEC/BCC activities to promote hygiene. The project also emphasizes on convergence and capacity building programs to sensitize key stakeholders on the integrated WASH program.



Access to Improved Water and Sanitation Facilities

Renovation of school toilet blocks: Two child, gender and PwD friendly school toilet blocks were renovated in PUPS Melathottiyapatti, and PUPS, Pudhupatti. The renovation works included installing urinal partitions, fixing doors, installing ventilators. The activities also included plumbing works such as providing outlet and inlet pipes to the rainwater harvesting system and handwashing station. Apart from this, the kitchen shed area was also renovated with finishing works such as painting etc. A total of 87 children (50 girls, 37 boys) and 48 teachers were benefitted.

Construction/Renovation of Anganwadi centres: Five child friendly toilet blocks were constructed in Anganwadi centres including facilities such as hand washing stations that enabled 125 children (67 girls, and 58 boys) and 81 Anganwadi workers etc access to improved sanitation. Apart from the construction activity, works such as building renovation including finishing works such as painting, fixing an overhead tank of 1000 litre were also ensured.

Awareness Generation and Behaviour Change Activities.

School Hygiene Promotion: 13 such activities were conducted with 305 children to enable them to inculcate good hygiene practices. The students were also sensitized on the importance of Menstrual Hygiene Management.

IEC/BCC activities: Activities such as street plays, and wall paintings were conducted in 11 locations to instil improved hygiene practices reach out to 3233 school students, and 182 teachers, SMC members etc.

Capacity Building and Convergence

Meetings with School Development & Monitoring Committee and Mothers' Committee: 11 meetings with the committee members were conducted to ensure better upkeep of the WASH facilities constructed/renovated. 130 participants were educated on the importance of establishing an O&M system and ensuring robust functioning of the same.

F. Promotion of Swachh Vidyalaya in Saharanpur district

Introduction: WASH Institute in partnership with ITC Ltd has been implementing the project in Baliya Kheri and Saharanpur Nigam of Saharanpur since 2018. The project since then has been enabling the Government schools get access to WASH facilities and instil hygiene related behaviour change practices among the students. Thus far, a total of 26 improved WASH facilities were constructed/ renovated benefiting 5858 school students.

Access to Improved Water and Sanitation Facilities

Construction/renovation of Child, Gender and PwD friendly toilet blocks: In an effort to enable integrated school WASH program the team constructed Child, Gender and PwD friendly sanitation blocks to 11 schools with child friendly hand washing and utensil washing stations in 14 schools. To ensure safety and security of the school premises, three schools were also provided with three boundary walls. Additionally, the team also

Strengthening of Child Cabinet members: Five meetings were conducted with the child cabinet members to train them on hygiene and to undertake O&M of WASH facilities. A total of 100 students participated in the meetings.

Observance of Special Days

Special Days such as Global Handwashing Day was celebrated with 140 students in Government Boys Hr. Sec. School, Viralimalai to sensitize them on the importance of improved hygiene practices such as washing hands especially in the time of a pandemic. The day was celebrated with organizing drawing competitions in the school.

Testimonial



In our school, the new toilets constructed with running water supply by ITC MSK and WASH Institute for the girl students are very useful. Especially the change room with incinerator is very helpful for adolescent girls. Also, I thank them immensely for conducting awareness generation activities to educate children on WASH and to develop leadership qualities in children".

Mrs. K. Jayanthi
Headmistress, Govt. Girls Hr. Sec. School,
Vadugapatti, Pudukkottai



Awareness Generation and Behaviour Change Activities

Hygiene promotion: As a continuous activity, 390 hygiene sessions were conducted with an active participation of 16354 students to educate them on improved hygiene practices.

Capacity Building and Convergence

Strengthening of Child Cabinet members: Along with forming Child Cabinets in 14 new schools, the project also strengthened those in 56 old schools. A total of 4158 child cabinet members were trained and strengthened on Operation & maintenance of WASH facilities.

Strengthening of School Management Committees (SMCs): SMCs are an intrinsic part of the project and play an important role in ensuring long term sustainability of the school WASH facilities. Therefore, 403 meetings were in 21 new schools and 56 old schools on ensuring proper functioning of operation and maintenance of school wash facilities. A total of 4468 members participated.

Fund collection: In view of fund shortage, the schools provided an innovative idea to raise fund for operation and maintenance of the WASH facilities. A total of INR 3,17,355/- was raised by 55 schools as fund for operation and maintenance.

Inauguration ceremony

The team inaugurated three schools in this financial year. The schools namely, UPS Berigagh and PS

Testimonial



"We feel honoured to work with WASH Institute team under ITC Mission Sunhera Kal project. The whole team worked with full dedication in construction of toilets and maintenance of school WASH facilities in various schools. They also provided hygiene classes to students which would help them in instilling improved hygiene practices. Apart from toilets, they also constructed Mid-Day Meal stations and enabled students a dedicated place to have their meals. I thank WASH Institute and ITC, as their interventions will ensure a significant increase in the enrolment rates".

- Mr. Prabhat Kumar
Block Education Officer, Baliakhedi
Saharanpur

Mozampura were inaugurated by Basic Shiksha Adhikari (BSA), Mr. Ambrish Kumar, in the presence of ITC Officials. UPS Numais camp was inaugurated by Shri Ram Das Athawale, Minister of State in the Ministry of Social Justice, and Empowerment, Government of India in the presence of Mr. Manoj Shukla Branch Manager ITC Ltd Saharanpur.

Observance of Special Days

Special days such as World Toilet Day, World Water Day, and International Women's Day were celebrated with school students, teachers, and community members. The team organized rallies and utilized auto announcement systems to promote messages on using toilets, practicing washing hands etc.



G. Integrated water and sanitation projects in Munger

Introduction: The project was initiated in 2014 to enable communities and schools of Munger get access to improved WASH facilities apart from promoting improved hygiene practices.



Access to Improved Water and Sanitation Facilities

Construction of School Sanitation Block and Drinking water/ utensil washing Station: Child, Gender and PwD friendly toilet blocks were constructed in 25 schools with improved WASH facilities such as handwashing stations, drinking water stations and utensil washing stations. Apart from this, the team constructed compound walls, kitchen sheds, and installed bore wells with submersible pumps in the

schools. To cater menstrual hygiene needs of the adolescent girls, seven sanitary napkin vending machines and incinerators were also installed in schools. The facilities benefitted a total of 6116 students (3775 girls, 2341 boys) and 628 teachers.

Renovation of Anganwadi Centres: Along with the construction activities in schools, renovation works such as plumbing in drinking water station, finishing in toilets, kitchens etc were also undertaken in five

Anganwadi Centers. The facilities enabled 200 Anganwadi children (121 girls, 79 boys) access to improved sanitation and safe drinking water facilities

Awareness Generation and Behaviour Change Activities

Hygiene sessions with school students: To continue emphasizing on improved hygiene practices, hygiene classes were conducted in 135 schools. As part of the sessions, 270 trained teachers supervised these hygiene classes with the help of Hygiene Module and Kit. The module and kit focused on enabling the children build good habits of keeping their surrounding clean and practicing hygiene. A total of 41888 students were oriented through these classes.

IEC/BCC activities such as drawing competitions, and video shows were organized in 123 schools to generate awareness on improved hygiene practices. The events saw active participation of 4489 students.

Capacity Building and Convergence

Meetings with School Management Committee (SMC) and parents: 102 meetings were conducted with SMC members and parents on ensuring robust functioning of operation & maintenance and instilling improved hygiene practices among the students. The meetings saw active participation of 2292 participants.

Capacity Building of the Child Cabinets: To orient the members of the child cabinets on their roles and responsibilities, 25 such trainings were conducted with 300 child cabinet members. As part of the trainings, these cabinet members were also provided

with 12 sets of uniforms, caps, badges, soap boxes, and donation boxes. Further, 169 Child Cabinet members were also provided with training to maintain accounts reacted to WASH infrastructure.

Capacity Building of Mid-Day Meal (MDM) Workers: Providing training to the MDM workers to maintain hygiene is an important step towards developing a culture of food safety in schools. Such trainings were conducted for 60 Mid-Day Meal Workers and teachers in 25 schools. The MDM workers also received hygiene kits, first aid boxes etc. as part of the training program.

Capacity Building on Solid Waste Management: 229 school students were provided trainings on source segregation of waste and to develop kitchen garden using the wet waste generated from the kitchen waste and wastewater from the hand washing station. These students were further provided knowledge on significance of wet waste to form compost out of it and channelling out grey water from the kitchen towards the same. A total of 27 such trainings were organized.

Installation of Sanitation Monitoring Boards in School: Sanitation Monitoring Board, maintained by the Sanitation minister of the Child Cabinet was developed in 25 schools for guiding children to maintain neatness and cleanliness.

On the job trainings for the school sanitary block cleaners and community care takers: Six on the job trainings were conducted on Operation and Maintenance of toilet blocks. 50 cleaners and



community caretakers were capacitated on equipment used for cleaning and on the importance of cleaning the toilets and the schools at regular intervals. The trainings also witnessed distribution of hygiene kits, and uniforms for the sweepers.

Follow up training and monitoring of WATSAN committees in Community: 18 meetings were conducted with eight WATSAN Committee members on operation and maintenance of WASH facilities. The participants were also educated on hygiene practices. The meetings also discussed strategies to ensure long term sustainability of WASH facilities, reviewing the tasks of caretaker, etc. A total of 400 members participated.

Training for Sanitation Workers regarding Hygiene Promotion in Community: 72 sanitation workers were strengthened on occupational hazards at work, and ways to mitigate the risks involved. The sanitation workers were also trained on using a Personal Protective Equipment (PPE) Kit.

Observation of Special Days

Special days like World Menstrual Hygiene Day, World Environment Day, World Toilet Day, World Water Day and International Women's Day were observed at community level through various community building activities like tree plantation, rallies, quiz competitions etc. The team also imparted messages on the importance of Hand washing with soap, water conservation through auto

announcement systems, seminars, drawing competition, essay competition etc. A total of 12387 community members and school students, teachers participated actively in these activities.

Testimonial



I feel proud to state that we could finally convince a large group of people to understand the importance of the WASH facilities in our daily lives and also to build ownership among ourselves for the upkeep of the WASH facilities. I thank ITC and WASH Institute to have strengthened us through multiple meetings to be able to educate others."

Ms. Puspa Devi
Anaganwadi Worker
Nomwanadhi, Munner

H. Swachh Vidyalaya and Swachh Grama projects in Malur and Chikkajala

Introduction: The project was initiated in 2018 to enable communities and schools of Malur get access to improved WASH facilities apart from promoting improved hygiene practices. The project also emphasizes on engaging the stakeholders/users in project implementation and ensures sustainability of WASH services.

Access to Improved Water and Sanitation Facilities

Construction of WASH facilities in Schools: Child, gender and PwD friendly toilet blocks, were constructed in 5 schools with facilities such as drinking water stations, hand washing stations etc. Apart from the construction activities, renovation activities such as plumbing works etc. were also undertaken in GHPS Channahalli. A total of 799 students (489 girls, 310 boys) and 106 key stakeholders such as teachers, etc benefitted from the construction and the renovation activities.

Repair and Renovation work in Anganwadi centres: Renovation works in toilets, sumps, compound walls, hand wash stations, drinking water stations, utensil washing stations etc were undertaken in 18 Anganwadi centres in Malur and four Anganwadi centres in Bangalore. The schools were also provided with 0.5 HP motor for sump. A total of 673 children (333 girls, 340 boys) and 308 key stakeholders such as teachers etc were enabled improved sanitation with safe drinking water facilities.

Awareness Generation and Behaviour Change Activities

47 awareness generation activities such as street plays, wall paintings, hoardings were conducted and developed respectively in schools, communities and Anganwadi centres to educate 9480 children and 665 key stakeholders such as teachers, community members, Anganwadi workers etc in Malur and Chikkajala locations of Bangalore. The IEC/BCC activities conducted on themes such as improved sanitation, safe drinking water facilities, importance of child cabinets in schools etc.

Capacity Building and Convergence

Training programmes for Operation and Maintenance of WASH Facilities: 54 training programmes were conducted for the members of School Development and Monitoring Committee (SDMC) and Mothers' Committee on Operation and Maintenance of WASH facilities in schools and Anganwadi centres of Malur and Bangalore. A total of 1226 members and mothers participated in the training sessions.



Training for Mid-Day Meal Workers: A Mid-Day Meal training was conducted for 78 MDM workers on food and personal hygiene. To ensure the workers practice hygiene during cooking and serving the food, hygiene kits were also distributed among them.

One Day Training for the Anganwadi workers: 57 Anganwadi workers were oriented on safe food hygiene practices, etc. At the end of the training, hygiene kits were distributed to the helpers to maintain personal hygiene food preparation & distribution.

Formation and training of Child Cabinet Committee: Child Cabinet Committees were formed and trained in 24 schools to operate and maintain the WASH facilities provided by WASH Institute. The committee members were elected by the students with the support of school Headmasters and one teacher. A total of 1246 students and 155 teachers were participated in the process of formation and training of Child Cabinet Members.

Observation of Special Days

Special Days such as Global Hand Washing Day and World Toilet Day were observed in three schools and one Anganwadi centre to impart the importance of washing hands with soaps and practicing hygiene in day to lives. 462 participants including children and school stakeholders were encouraged to use toilets, and practice seven steps of washing hands with soaps before and after having food, and after using toilets.

Testimonial



"I have two children who are going to the Anganwadi center. It is great to see the new facilities that our center now has. The facilities such as toilets, drinking water station, compound walls and wall paintings play an important role in overall development of children. I am very thankful to WASH Institute and ITC."

Ms. Sakamma
Huttanahalli colony

I. Integrated Water, Sanitation and Hygiene Interventions in Schools & Communities in Kadiyam Block of East Godavari District, Andhra Pradesh

Introduction: This year, WASH institute partnered with HDB Financial Services (HDBFS) to enable schools of Kadiyam Block of East Godavari District get access to improved WASH facilities. The program also focuses on promoting hygiene and ensures convergence with the key stakeholders for their support in project implementation.



Access to improved Water and Sanitation Facilities

Construction/Renovation of School WASH facilities:

Child, gender and PwD friendly school toilet blocks were constructed/renovated in eight Government Schools with seven hand washing stations and two drinking water stations. To ensure food hygiene, two schools were provided with dining halls to ensure children have a proper place to have food. Additionally, three schools were also provided with compound walls to provide security to the school. Apart from the construction activities, the team also undertook renovation activities in two schools that included PCC flooring, sanitary fittings, tile work, etc. The activities enabled 4961 students (2552 girls, 2409 boys) access to improved sanitation and hygiene facilities.

Awareness Generation & Behaviour Change Activities

IEC/ BCC Activities: 26 awareness and behaviour change activities such as video shows, magic shows, drawing competitions, wall paintings etc were conducted in eight schools to help students adopt

and practice hygiene practices. The activities were conducted on hygiene practices such as washing hands, toilet usage etc. A total of 845 students and school staff participated.

Capacity Building and Convergence

Formation and strengthening of Child Cabinet members: To ensure the sustainability and proper usage of school WASH facilities, 10 Child Cabinets were formed and trained on hygiene practices, Operation and maintenance of the constructed and renovated WASH facilities. A total of 170 members participated.

Training of Teachers: Apart from training the child cabinet members on operation and maintenance, a training was also organized for the teachers on better hygiene practices and to establish robust operation and maintenance system of the constructed/renovated facilities. A total of 14 teachers participated in the training session.

Strengthening of Parents Monitoring Committee (PMC): 14 PMC meetings were conducted to promote WASH and to sensitize the participants on the WASH

infrastructure. They were also encouraged to contribute for the O&M fund. The meetings observed participation of 205 PMC members.

Food Hygiene Training for Mid-Day Meal Workers : 52 MDM workers were trained on maintaining food hygiene while preparing and serving food. Instructions such as wearing head caps, hand gloves were provided to the participants.

Menstrual Hygiene Management (MHM) training: Menstrual hygiene is essential for the health and dignity of girls and women. Educating adolescent girls on maintaining menstrual hygiene reduces their dropout rates in the schools. A total of 209 adolescent girls participated in the training.

Focused group Discussion: Two focused group discussions were conducted in Jegurupadu village and Kadiyapusavaram village where the community members were trained on segregating waste from the source, following personal hygiene, and to adhere by the COVID-19 precautionary measures. A total of 70 people participated.

Mandal Level Stakeholder Meeting: A meeting was organized with 11 stakeholders such as Mandal Education Officer, members of Grama Panchayat, School Headmasters, teachers, PMC members etc on school WASH and promotion of hygiene practices. The meeting was conducted to ensure active engagement of the stakeholders and to ensure smooth resource mobilization for better program implementation.

Observance of Special Days

World Water Day was celebrated in ZPH-Kadiyapulanka village. The day was celebrated by conducting rallies in and around the village. A total of 167 members participated.

Testimonial



"I used to face difficulty in using the old toilet because of the unavailability of running water, and bad odour. Sometimes, it was impossible for me to use the toilet for whole day. I am, therefore, very thankful to HDBFS and WASH Institute to construct a new toilet block with handwashing and running water facilities"

-Rayudu Surekha
9th class at ZPH school

J. Promotion of Hindaun block as Swachh and Swasth Block

Introduction: WASH Institute partnered with NSE Foundation to implement the integrated WASH Project to provide improved WASH facilities to communities and public institutions in Hindaun block of Karauli district. In addition to this, the core focus has been to inculcate good hygiene practices through behavioural change interventions.

Access to Improved Water and Sanitation Facilities

Retrofitting of Sanitation Blocks in Schools and Primary Health Care Centres: This year the project worked in 17 schools and one Primary Health Care Centre, that were in dire need of renovation in their existing sanitation blocks. Activities such as brick work, plumbing work in wash basins, construction of leach pits, soak pits, installation of incinerators, provision of running water facilities, etc were undertaken. Besides, 18 schools were also given the facility of running water. Through these facilities, the project enabled 2840 students (1490 girls, 1350boys) in schools and 155 outpatients (75 females, 80 males) in Primary Health Care Centres (PHCs) access to improved sanitation and safe drinking water facilities.

Retrofitting child friendly toilet blocks in Anganwadi centres: Retrofitting was also undertaken in 8 Anganwadis wherein facilities such as water closets, urinals were installed, wash basins, leach pits, soak pits were constructed/retrofitted. Out of the eight Anganwadi centres, four centres were provided with running water supplies as well. A total of 295 children (209 girls, 86 boys) were enabled access to improved sanitation and safe drinking water supply.

Installation of De-fluoridation Filters in Schools: The team also conducted water quality testing in 27 locations and provided De fluoridation filter of 20 litre capacity in the locations where the fluoride contamination was detected. A de-fluoridation filter is a gravity-based water purifier which was installed



Capacity Building and Convergence

Formation and training of Child Cabinet/ WATSAN Committee: Child cabinets play a major role in involving the students in day-to-day school activities and create a sense of ownership and leadership in them. 27 Child Cabinets were formed in schools and they were provided with badges, caps, aprons, dustbins, stationery etc.

Meeting with Key Stake holders: One stakeholder meeting with 195 relevant stakeholders (WATSAN Committees, sarpanchs, members of Gram Panchayat etc) were conducted to share project details and seek their support in project implementation.

Organizing SMC Training: Two trainings were conducted with School Management Committee members on operation & maintenance of WASH facilities retrofitted/constructed in the schools. The trainings were designed to build ownership among the stakeholders, for them to ensure long term sustainability of the retrofitted/constructed WASH infrastructure. These trainings witnessed active participation of 90 participants.

Orientation on MHM to Adolescent Girls : To emphasize on the importance of menstrual hygiene, three trainings were conducted on

Menstrual Hygiene Management involving a total of 180 participants including 150 students and 30 teachers. The trainings imparted information on menstrual cycle, importance of washing hands with soap before and after using the pads and safe disposal of sanitary pads. The girls were also provided with a pack of Sanitary Napkins.

Awareness Generation and Behaviour Change Activities

136 IEC/BCC activities were organized in schools, Anganwadi centres and communities to aware 20457 students, Anganwadi workers, community members etc on improved hygiene practices. The activities included quiz competitions, magic shows, drawing competitions etc. Apart from this, a school WASH module was provided to 60 child cabinets, teachers and four Government Officials including Chief Bloch

Education Officer, Additional Chief Block Education Officer, and two Panchayat Elementary Education Officer.

Observation of Special Days

The team celebrated World Water Day and World Toilet Day in GUPS Ekorashi, Jatav Basti Dhindora, Jatav Basti Hukmikhera and educated on depleting ground water level and therefore increased awareness on the need for conserving water. 720 participants including school Headmasters, teachers, Anganwadi workers, students, community members and Panchayat Sammiti Adhyaksh participated. Students participated in various activities like Drawing competitions, slogan writing competition etc. The competitions were also followed by a speech by the Panchayati Raj Institution (PRI) Members.

K. Promotion of Thiruppullani as Swachh and Swasth Block

Introduction: WASH Institute partnered with NSE Foundation to implement an integrated project on water, sanitation, and hygiene to provide improved WASH facilities in schools, Primary Health Care Centres, Anganwadi centres of Thiruppullani Block, Ramanathapuram district. In addition to this, the focus has also been to inculcate good hygiene practices through behavioural change interventions.



in 12 schools providing safe drinking water services to 1872 children and school staff.

Rainwater harvesting projects in Schools: To promote water conservation in public institutions such as schools, a rainwater harvesting facility was constructed in Government Primary School Hadoli. The desilting chamber in the facility ensures the water to be stored for a while before seeping into the ground and contributing to groundwater recharge. This facility enabled 83 students, teachers etc. to understand the concept of water conservation and use the stored rainwater in toilets and for other secondary uses

Providing safe drinking water facilities in communities: To provide potable water facilities in community, 11 defunct borewell were repaired and enabled 41150 community members including 165 WATSAN community members access to safe drinking water.

Testimonial



"I appreciate the retrofitting works being undertaken by WASH Institute with support of NSE Foundation in our Primary Health Care Centre. This will immensely benefit our PHC Staff members, Patients, and pregnant women "

- Ms. Sonu Rathore,
Medical Officer, PHC Mahoo

Access to Improved Water and Sanitation Facilities

Retrofitting/Construction of School Sanitation Blocks: In 20 schools, the team retrofitted running water facility, urinals, water closets etc. The team also constructed handwashing stations, and utensil washing stations. These interventions benefitted 2787 children (1460 girls, 1327 boys).

Provision of water treatment facilities: Out of the intervened 20 schools, 19 schools with poor water quality were provided with RO as water treatment facility. The capacities of the RO plants were 50 LPH and 25 LPH respectively. The facility enabled 1861 students (922 girls, 939 boys) and 124 key stakeholders such as teachers, etc access to safe drinking water facility.

Construction of Toilet Blocks in Primary Health Care Centres: To provide access to better sanitation facility to the Public Health Centre two toilet blocks were constructed with running water facility, and hand wash basins. The facilities enabled 300 outpatients (200 females, 100 males), and doctors access to improved sanitation.

Providing Drinking Water Facilities to the communities: As a part of this project, several drinking water facilities including mini water stations, new sanitary wells, drinking water open wells, traditional ponds called "Oorani" etc were constructed/installed/ rejuvenated in 39 locations. Through these facilities, the project enabled 11062 community members access to safe drinking water facilities.

Piloting of a recharge pit: In view of decreasing level of ground water, three recharge pits were constructed in communities. A total of 594 community members are expected to benefit in the long term from the increase in the ground water level in the long term.

Capacity Building and Convergence

Formation and Training of WATSAN Committee/ Child Cabinet in schools and communities: WATSAN committees and Child cabinets in communities and schools respectively, were formed in all 50 locations with 940 school children, community members, and 20 relevant stakeholders. The participants were trained on WASH related issues, and operation and maintenance (O&M) of the retrofitted WASH infrastructure in schools. Members were also provided with badges, caps, buckets for toilets, hand wash liquids etc. To emphasize on the importance of operation and maintenance of the WASH infrastructure, 85 WATSAN Committee leaders were chosen and provided hands on training on the importance of WASH infrastructure, and O&M of the same.

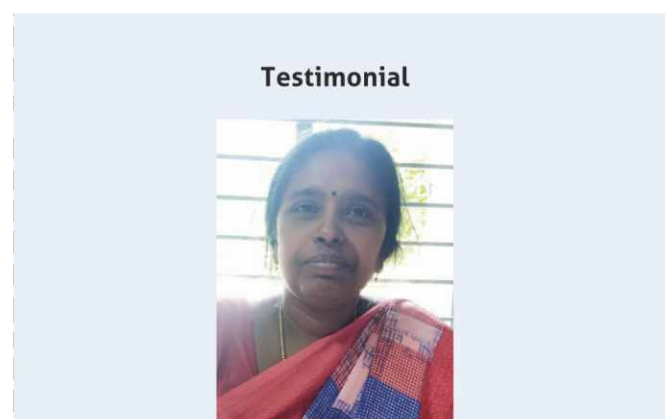
Organizing trainings for SMC members, school teachers etc: 26 trainings were organized for the School Management Committee members, teachers etc to capacitate them on the significance of operation and maintenance of school WASH facilities. Besides, the trainings also built capacity in the participants to instil ownership towards the WASH infrastructure, mobilize fund for operation & maintenance etc. A total of 433 SMC members, school teachers and 37 stakeholders such as PRA members, etc participated.

Online training to School Children: In view of the ongoing pandemic, 11 online trainings on personal hygiene, menstrual hygiene were conducted with 204 school children and 17 stakeholders.

Food Hygiene Training for Mid-Day Meal Workers/Asha Workers: Training sessions were organized for 35 MDM workers, Asha Workers to make a positive contribution towards maintaining food hygiene and personal hygiene, thereby ensuring proper health of children.

Orientation on MHM to Adolescent Girls: To emphasize on the importance of menstrual hygiene, 10 orientation meetings on Menstrual Hygiene Management were conducted with 449 students and 10 teachers. The trainings imparted information on menstrual cycle, importance of washing hands before and after using the pads and safe disposal of sanitary pads. Apart from the trainings 11 orientations were conducted at community level involving 208 participants for training on Menstrual Hygiene Management.

Orientation Training about Community Hardware: The team organized 15 orientation trainings on issues pertaining to water, sanitation, and hygiene in Thiruppullani, and operation and maintenance of WASH facilities installed/constructed/rejuvenated. The trainings witnessed active participation of 344 community members and 43 stakeholders such as PRA members.



Testimonial

"Improved WASH facilities in a school is one of the important indicators to increase student enrolment rate and decrease school dropout rate. Since the time, WASH Institute and NSE Foundation renovated our existing WASH facilities we have seen sudden rise in school enrolment rate. I thank WASH Institute and NSE Foundation to have supported our school".

Mrs. Thangarathina Malar, Headmistress,
Regunathapuram PUPS

Review meeting with Block and GP Administration: A meeting was organized with the Block and Gram Panchayat Administration at the BDO Office where the activities undertaken in the project were shared. The meeting witnessed participation of 80 people including the Block Development Officer, Deputy BDO, Panchayat Presidents, Panchayat clerks etc.

Organizing training to PRI members: To ensure water quality, two trainings were conducted for the PRI members on water quality issues and monitoring. Besides, the participants were also sensitized on WASH related issues such as unimproved sanitation in public institutions, communities etc. The participants were also apprised on the overall project objectives, and deliverables. 78 PRI members including BDOs, Deputy BDOs, clerks and assistant clerks participated in the trainings.

L. Integrated water, sanitation, and hygiene interventions in schools & communities of Khardah & Panihati Municipality, West Bengal

Introduction: With the support of HT Parekh Foundation, this project was initiated in 2021 to enable communities and schools of Khardah and Panihati municipalities in West Bengal access to improved WASH facilities. Since then, the project enabled 10344 school students and 350 community members access to improved WASH facilities.



Access to Improved Water and Sanitation Facilities

Construction/renovation of WASH facilities in schools and community: Child, Gender and PwD friendly school toilet blocks were constructed in 14 schools with facilities such as handwashing stations and drinking water stations. Catering to the needs of the adolescent girls, a changing room was constructed where facilities such as an incinerator and sanitary pad vending machines were installed. The facilities catered to the needs of 10344 students and 478 school stakeholders. The project also renovated an existing toilet in ward number 15 of Khardah municipality and catered to the needs of 350

Awareness Generation and Behaviour Change Activities

IEC/BCC activities such as video shows, drawing competitions, COVID-19 awareness and vaccination support, quiz competitions, etc were conducted to generate awareness among the participants on the significance of improved hygiene practices, especially during the ongoing pandemic. More than 250 of such activities were conducted with 4943 community members and school children.

Observation of Special Days

Special days such as Global Hand Washing Day, Nutrition Day and World Toilet Day were celebrated in 85 locations across schools and communities with 3425 students and community members and 271 key stakeholders such as teachers, etc through activities like drawing competitions, quiz competitions and rallies.

women community members. Facilities such as running water facility, bathing enclosures etc. were provided. The menstrual needs of women and adolescent girls were also addressed by constructing a changing room with facilities such as an incinerator and a sanitary napkin vending machine.

Capacity Building and Convergence

Consultation/Review meeting with stakeholders: Six meetings were conducted with the Government officials including (Board of Administration of Panihati and Khardah), Sanitary Inspectors of both the ULBs, ward councillors, Honourable MLA etc. The

meetings were organized to share project objectives and deliverables and to seek their support for smooth implementation of the project, acquaint the decision makers about the projects and seek their support and cooperation for the project. The meetings were attended by 103 government officials.

Meetings with school stakeholders: Apart from the review meetings, 22 introductory meetings were also conducted with teachers, SMC members, parents etc. to orient them on the importance of the operation & maintenance system and seek support to ensure its robust functioning in the respective schools. Apart from this, seven meetings were conducted with them to introduce them to the project objectives and seek cooperation for smooth project implementation. A total of 583 stakeholders such as teachers, SMC members participated.



Formation and Training of Child Cabinets in schools: Child Cabinets Committees were formed in all the 14 schools involving 122 girls and 46 boys for proper Operation & Maintenance of WASH facilities, ensuring personal hygiene of students, and maintaining overall cleanliness of schools. Further, eight training sessions and seven meetings were also conducted to orient them well on their roles and responsibilities as child cabinet members and to train them to conduct regular monitoring of the WASH facilities. The child cabinet members were also provided with caps, badges, uniforms etc.

Provision of soap bank & fund collection box: Soap banks and fund collection boxes are some innovative ways to build ownership among the students, teachers and SMC members towards ensuring robust operation and maintenance of the constructed/retrofitted school toilet blocks. A total of 10 such boxes were provided to the schools for 7831 students, and other 333 stakeholders.

Meeting with the School Management Committee (SMC) members and students: During this period, 20 meetings were conducted with SMC members and students. The participants were shared about the school WASH program and the support required to implement the project in schools. The meetings were attended by 229 students and SMC members.

Training for school teachers and SMC members: With a two-fold objective of imparting the significance of school WASH program and to train the schools to become eligible to apply for Swachh Vidyalaya Puruskar, a training program was conducted. Swachh Vidyalaya Puruskar is a program supported by

Department of School Education & literacy, Ministry of Education, Government of India. A total of 99 people participated in the trainings conducted.

Awareness Generation and Behaviour Change Activities

Behaviour change activities such as awareness campaigns and street plays were conducted on the importance of solid waste management, and hand wash practices involving 11000 participants.

House visits and focussed group discussions: As a part of the solid and liquid waste management campaigns, organized by State Urban Development Agency (SUDA), Government of West Bengal, seven household visits and focused group discussions were conducted with 400 households and 100 participants.

Formation and training of Community level WATSAN meeting: As part of the project, a WATSAN committees was formed with 80 members to ensure long term sustainability of the community WASH infrastructure constructed/retrofitted. WATSAN committee, also known as Swachh Parivesh WATSAN committee is mentored time to time by the local councillor of Khardah municipality.

Ward visits: As a part of the project, visits were conducted in 19 wards to know the existing situation of the wards. A total of 634 people were a part of the visit.

Observance of Special Days

Six special days such as World Water Day, Global Handwashing Day, and World Toilet Day were celebrated with 29515 community members and school children. Activities such as street plays, auto announcement systems were organized as part of the celebration.

Testimonial



"Every child has the right to quality education, which includes right to access to drinking water, sanitation, and hygiene (WASH) facilities in schools. I thank WASH Institute and HT Parekh Foundation to have enabled the students access to child, gender and disabled friendly WASH facilities including drinking water stations, incinerators for adolescent girls etc."

Ms. Krishna Kali Chandra

M. Integrated Water Sanitation and Hygiene intervention in schools of Chennai, Tamil Nadu.

Introduction: With the support of HT Parekh Foundation, the project commenced in the year 2021-22 and since then has enabled 4037 students in 10 schools access to improved sanitation and safe drinking water services. The project also conducted orientations and trainings to students, teachers, MDM workers and other committee members to bring hygiene related behavioural changes in day-to-day life.



Access to Improved Water and Sanitation Facilities

Construction/renovation of Child, Gender & PwD friendly school WASH facility: This year, the project constructed three Child, Gender & PwD friendly toilet blocks in schools with facilities such as running water and handwashing stations. Apart from the construction activity, renovation works such as plumbing work, finishing works in toilet blocks and drinking water stations were undertaken in 10 schools. The facilities helped 4037 school children (3106 girls, 931 boys) in accessing improved sanitation and safe drinking water facilities.

Piloting of rainwater harvesting system: In response to the water crisis, the team constructed rainwater harvesting system in Government High School Villivakkam, Chennai. The facility included construction of underground sump to collect water, and installation of pipelines and overhead tank to use the collected water for toilet usage. The goal was to provide the school with sustainable access to clean water. This facility enabled 215 students reuse the water for toilet usage and understand the concept of water conservation.

Capacity Building and Convergence

Consultation/ review meeting with stakeholders: A review meeting was conducted for the school key stakeholders to share the aim and objectives of the

project along with the plans to bring about innovations in the project deliverables. A total of 29 stakeholders including Chief Educational Officer and Schools principals participated in the program. The program also emphasized on seeking cooperation of the stakeholders for smooth project implementation.

Training for School Teachers and SMC members: 10 training programs were conducted involving school teachers, SMC members (including parents, school authorities, teachers etc) to share with the project objectives and deliverables. The participants were also educated on the importance of regular monitoring of the WASH facilities for their proper operation and maintenance. A total of 506 participants participated in this.

Formation of Child Cabinet in schools: 10 trainings were provided to the child cabinet members to orient them on their roles and responsibilities and to build capacity in them to establish robust functioning of the O&M system. The training sessions benefitted 120 child cabinet members.

Organizing food hygiene training in schools: Food hygiene trainings were conducted in ten schools to impart the significance of maintaining personal hygiene and food hygiene. The trainings also made a significant effort in developing ownership among the stakeholders and keeping hygiene a priority. The

trainings witnessed active participation of 24 MDM workers.

Organize Menstrual Hygiene Management (MHM) training for adolescent girls and other stakeholder: 14 Menstrual Hygiene Management training programs were organized to sensitize the adolescent girls on the importance of practicing hygiene such as washing hands before and after using the sanitary pads. The students were also educated on safe disposal of the pads after use. Besides, trainings also emphasized on the myths and taboos associated with menstruation. A total of 748 students participated in the training programs

Solid & Liquid waste management in schools: Hygiene classes were conducted in all the 10 schools to educate students on proper way of solid and liquid waste management at school level. Students were introduced to 5 R's of SLWM (Refuse, Reuse, Reduce Repurpose and Recycle). Students were also trained to segregate waste at source level. 3106 girls and 1780 boys' students took active participation in these training sessions.

Provision of Soap box, Fund collection box, distribution of Hygiene kit etc.: Innovative measures such as Soap boxes, fund collection boxes, hygiene kits have been proven to aid in operation and maintenance of the WASH facilities besides proving to be an effective way to instil ownership among the students, and the associated stakeholders such as SMC members, teachers etc. The team provided such boxes to all the ten intervened schools.

N. Promotion of ODF Slums and School WASH in NOIDA

Introduction: With the support of HCL Foundation, the project in Noida initiated in 2017 to enable schools and communities access to improved sanitation and safe drinking water. The project also promoted hygiene in its intervened areas and undertook convergence with the relevant key stakeholders for smooth project implementation.

Access to Improved Water and Sanitation Facilities

This year, the team constructed three Child, Gender & PwD friendly school toilet blocks with running water facility, handwashing stations and drinking water stations in Bhawani Shankar Intercollege, and Aghapur Upper Primary School and Parthala Upper Primary school. Four schools were also provided with RO plants and water coolers to enable students and staff with safe drinking water facilities. The construction also considered the basic needs of adolescent girls by enabling them access to a changing room with an incinerator to ensure safe disposal of soiled sanitary napkins. The improved WASH facilities benefitted 2749 school students (805 girls ,1896 boys) and 48 stakeholders such as teachers, School Management Committee members etc.

Awareness Generation and Behaviour Change Activities

134 IEC/BCC activities such as screening of short films, street plays, quiz competition, focused group

Observance of Special Days

Global Handwashing Day and World Toilet Day were celebrated in three schools involving 1108 students through different competitions like drawing competitions, speeches etc. Hygiene seminars were also conducted to teach students proper way of hand washing, critical times of handwashing and to disseminate its importance.

Testimonial



"I never used to give importance to maintaining personal hygiene during my menstrual cycle, however after learning the positive impact of the same on health I have consciously started practicing hygiene in my daily life. I am thankful to WASH Institute and HT Parekh Foundation for providing this training"

Surya Sri, 9th Class

discussions etc were conducted to generate awareness among the community members and school students on improved hygiene practices. 9487 participants actively engaged in these activities.

School Hygiene Promotion: This activity generated awareness among school children on improved WASH practices along with conducting extensive sensitization on the importance of operation & maintenance of school WASH facilities. 74 sessions were conducted online and also via school visits. A total of 2721 children were motivated to practice hygiene in their daily routines.

Training on Solid Waste Management to school WATSAN committees: 40 solid waste management trainings were conducted in schools to train students on dry and wet waste. The trainings further capacitated students on source segregation of waste, composting the wet waste, and recycling the dry waste. A total of 1168 students participated in the training program.



Observation of Special Days: Special Days such as World Water Day, World Environment Day, Menstrual Hygiene Day, World Toilet Day, and Global Handwashing Day were celebrated to impart the importance of hygiene. A total of 1168 students, teachers participated.

Capacity Building and Convergence

Formation and Training of school WATSAN committees: This year, the team formed 11 school WATSAN committees and oriented them on their roles and responsibilities towards keeping the school premises clean and robust functioning of operation and maintenance system of the school WASH facilities. A total of 227 children were selected as the members of WATSAN committees.

Follow up training of school WATSAN committees: Follow up trainings are an essential part to strengthen the WATSAN committees further on operation & maintenance and improved hygiene practices. A total of 55 WATSAN follow up trainings were conducted with 631 students, teachers etc.

Meeting with School Management committee and Community WATSAN Committee: The team conducted 50 meetings with community WATSAN committees, SMC members and school teachers on hygiene and O&M of WASH facilities. Apart from this, the participants were also oriented on the usage and importance of incinerators. Washi conducted the meetings with 878 teachers, community members, SMC members etc.

Operation and Maintenance of WASH Facilities in schools and Communities: The team ensured proper operation and maintenance of the WASH facilities in 35 schools and three communities by undertaking repairing activities such as RO work, plumbing work

Testimonial



"We are an intercollege, however for the longest time we struggled to renovate our existing toilets drinking water and hand washing stations due to paucity of funds. The toilets were unhygienic and the facilities such as urinals, water closets, handwash basins were broken. The adolescent girls also lacked a system to dispose their menstrual waste. With the intervention of WASH Institute and HCL Foundation, our intercollege not only has new toilet blocks both for boys and girls but also has new drinking and handwashing station. The facilities constructed are disabled friendly as well. The adolescent girls also have a change room with an incinerator to cater to their menstrual hygiene needs. Besides, the facilities are also beautifully painted with WASH related messages that will help instilling behaviour change practices in the students. I thank WASH Institute and HCL Foundation for all their efforts."

Dr. Atul Pratap Singh
Principal, Bhawani Shankar Intercollege

etc. The activities were conducted as per the need in schools and communities.

Inauguration of WASH facilities in Aghapur Upper Primary School: The construction of a PwD toilet block with drinking water facility was completed in March 2022. Following which an inauguration event was conducted in the school on 16th March in Aghapur UPS. The facility was inaugurated by 41 members of WATSAN committee, students and SMC.

O. Integrated Water & Sanitation Project in Schools & Communities of Uluberia town in Howrah District of West Bengal

Introduction: Through its integrated project on water and sanitation, this year WASH Institute marked its presence in Uluberia, a Municipality in Howrah district of West Bengal. This project, in partnership with Redington Foundation, focuses on enabling the schools and communities gain access to improved sanitation and safe drinking water facilities and promote hygiene related awareness among community members and school children.



Testimonial



"We are thankful to Redington Foundation and WASH Institute for constructing a sanitation block in our school that is child, gender and disabled friendly. I am sure this facility will lead to improvement in the health standards of the school children. Apart from the construction activity, this was the first time, a drawing competition was conducted in our school on World Water Day. I really hope WASH Institute will continue to organize similar activities in the future to bring awareness among the school children.

Mr. Abhijit Sen

Access to Improved Water and Sanitation Facilities

To enable access to improved sanitation and safe water facilities for school children, Gender, PwD, and Child friendly toilet block was constructed in Natibpur High School with handwashing facility. Through this intervention, 479 school students were benefitted (184 girls, 295 boys). The project also catered to the menstrual hygiene needs of the adolescent girls by constructing a changing room and installing incinerator and a sanitary pad vending machine in Girl's toilet block.

Observance of Special Days

World Water Day is celebrated on March 22nd to encourage the intervened school participate actively in addressing the challenges associated with water. The theme for the year 2022 was "Groundwater: Making the Invisible Visible". This year, the team celebrated this special day in Natibpur High School with active participation of 67 students and five teachers.



Support to State Government

Support Project Implementation for Social and Communication Activities for multi-village surface water projects in Punjab in district Gurdaspur & Amritsar

Introduction: WASH Institute started a project in partnership with Department of Water Supply & sanitation, Punjab in 2020. The project was funded by International Bank of Reconstruction & Development (IBRD) and was focused on generating awareness & knowledge through various IEC/BCC activities, strengthening local institutions and groups by building their skills and capacities, linking them with financial institutions, and conducting extensive monitoring and documentation.

Key Achievements

- **Household Non-Functional Household Tap Connections (FHTC) Survey:** The surveys were completed in all target areas of Amritsar and Gurdaspur districts from hundreds of households. The surveys were conducted to collect information of the households which hadn't yet been connected to FHTC. This data was provided to DWSS for their review and further use.
- **Village Profiling including Social & Resource Mapping:** This activity was conducted for all the target villages while focusing on water & sanitation specific parameters. Profiling of all the target villages were completed during this reporting period.
- **Development of IEC Plans and Materials:** The overall aim of the IEC plan was to trigger positive behavioural change amongst community members concerning the judicious use of water, optimum utilization of limited water resources, build capacities and knowledge of local stakeholders, and promote improved awareness on COVID-19. The main objective behind this was to encourage conversion of the knowledge into practice. WASHi developed an IEC plan considering the importance

and relevance of the participation of various stakeholders throughout the project. A host of IEC material including songs, skits, wall paintings audio announcements, etc. was developed and localized, contextualized, and finalized with the support of DWSS officials. The IEC material generated was being curated in a way so that it can be used for dissemination through online platforms as well.

- IEC material such as audio muniyadi was used in Gurudwaras and through online platforms. Audio Songs, video skits, pamphlets, wall paintings were shared on Whatsapp groups etc. While conducting field-level community sessions, the WASHi team used audio muniyadi through Gurudwaras to inform about the session around the village. During physical interaction with community members and other relevant stakeholders, pamphlets were distributed or pasted at prime locations having details of the surface water scheme and its reach along with benefits.
- **Risk Communication and Community Engagement (RCCE) Plan Survey:** Key informant interviews were conducted with a total of 913 local key village informants from a total of 143 villages in districts of Amritsar & Gurdaspur in the previous Financial





Year. The informants included key village resource person such as Anganwadis workers, ASHA workers, Granthis (religious leaders), housewives and pump operators. Apart from this, FGDs were conducted on this having a total participation of 2567 community members. These activities were conducted to understand COVID related behaviour, practices, and beliefs of the community members across villages of Amritsar & Gurdaspur districts.

Post this, during the current Financial Year, the data was analysed and a detailed RCCE Plan was made focusing on how to best engage with the community and other stakeholders in a safe manner by minimizing one to one interaction and large gatherings. The plan formed was aimed at minimizing COVID risks during activities in the field, maximize COVID related awareness and sensitization amongst the community members using innovative participatory non-contact means of communication. The plan was submitted to DWSS.

- **Gram Panchayat Water & Sanitation Committee (GPWSC) Orientation & Strengthening:** Orientation sessions for orienting the GPWSCs on their collective roles and responsibilities were held using participatory tools & techniques with all GPWSCs of the target villages. The participants included Key village influencers apart from GPWSC members. Two sessions were held with each GPWSC. The first one included Orientation on Roles & Responsibilities of GPWSC and the second session included orientation on individual roles and responsibilities of the GPWSC members. Apart from this FGDs, and KIIs were conducted with the

GPWSCs to orient them towards and promote healthy discussion on the ways they could function in a more organized and efficient manner.

- **150+ Role models identified acting as key facilitators for motivating people to address WASH related issues.** Facilitated in delivering two orientation sessions to the GPWSCs on their collective roles and responsibilities. The sessions were held using participatory tools & techniques with all GPWSC members and other key village influencers of the target villages.
- **Gender Mainstreaming Sessions:** Gender mainstreaming sessions were conducted in all the target villages with target groups including men groups, women groups, and elderly groups of the communities. Apart from this, FGDs were conducted with the target stakeholders with an intention to maximize women participation, sensitize community members on women's role in handling water, and uplifting the status of water in villages through their involvement in GPWSCs.
- **Community Water Resources Management:** These sessions were organized across all the target villages to promote the importance of consuming safe drinking water, ensure optimum utilization of all sources of water and promote Greywater Management. Awareness, knowledge levels and capacities of community members were built with respect to addressing WASH related issues in their communities and on various aspects of safe water handling, collection, storage & water conservation.
- **Capacity Building on Community Social Safeguards:** Sessions were conducted with

contractors and their labour other stakeholders to orient them on the social safeguards/safety measures to be followed while working.

- **Attitude & Behavioural Changes Training:** Provide online or in-house village level (as per COVID-19 situation) training for attitudes and behavioural change of villagers. These trainings were organized to instil improved behavioural change in villagers.

Additional Activities Conducted

- **Formation of WhatsApp Groups:** With an aim to extend the reach of the project related activities, the team created WhatsApp groups for key village level influencers such as PRI members, social and cultural leaders and GPWSC members from the target villages. The WASHi team ensured maximum participation of Women. Through these groups, the team shared project-related IEC material and other useful material.
- **Celebration of Teej - WASHi** on the eve of Teej conducted various IEC/BCC awareness sessions in the target communities and school children. These sessions were conducted to promote awareness amongst the community members on the importance of women's participation in GPWSCs, address water-related issues like depleting groundwater levels, water contamination, ways of proper collection, handling, storage & conservation and to stress on the importance and benefits of taking up HH tap connections. Various IEC activities such as drawing competitions, Mehendi competitions were conducted on this occasion which saw a very good response from the community members and students alike as they all participated wholeheartedly. 1862 community

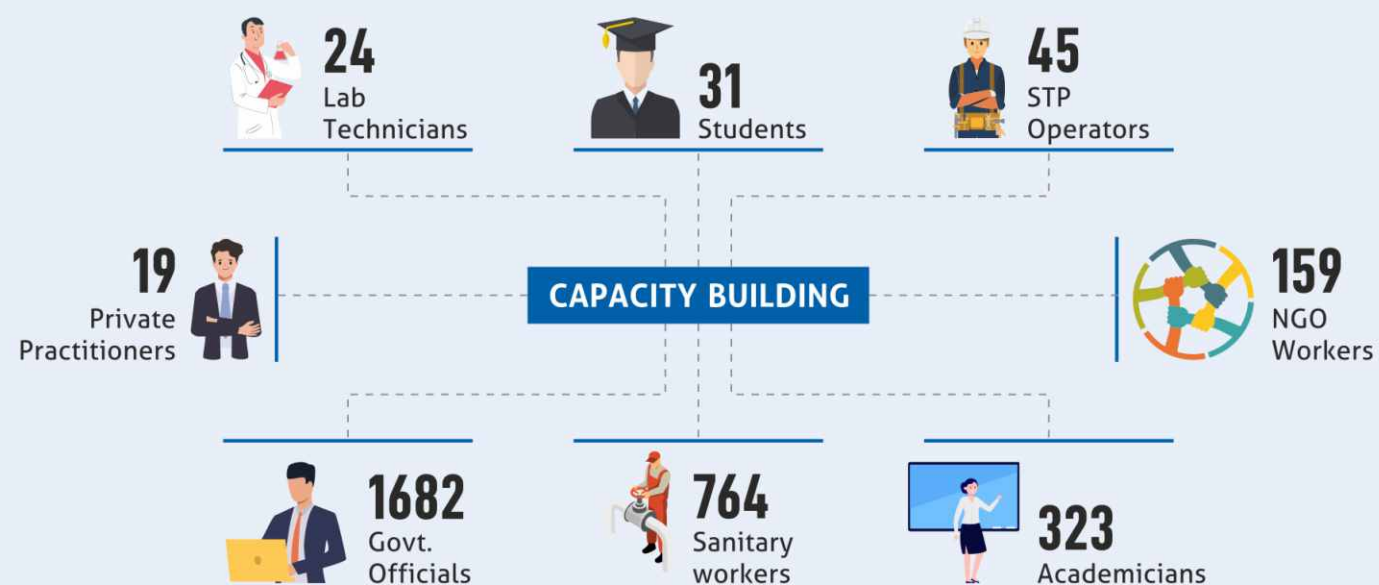
members of 25 crucial villages participated. Many Community members expressed interest to apply for HH tap connections. 368 students of 12 schools participated & expressed great enthusiasm & interest and promised to minimize water wastage by judiciously using water.

- **Facilitated in Swachh Survekshan Grameen 2021** in collecting individual feedback from the households in Amritsar & Gurdaspur with respect to sanitation status in their respective villages.
- **Facilitated in installation of Taps at the HH level** where taps were not installed earlier under the 2A & 2B Scheme.
- **Resumed the Overhead water supply through GPWSCs,** which were stopped due to some financial as well technical issues by GPWSCs: WASHi team helped in working out the situation of motor not working in several GPs by discussing it with relevant stakeholders and helped in resuming the water services.
- **Extended support for the installation of surface water pipelines in difficult villages:** WASHi team discussed the importance and benefits of the surface water scheme with the GPWSC members and convinced them to take up the scheme.
- **Training for Women on Water Testing:** To analyze the quality and potability of water at regular intervals around the state, a drive was initiated by DWSS Government of Punjab. Under this drive, the WASHi team extended its support in the water testing through Field Testing Kits (FTK kits) and trained groups of five women from target villages to use the Field-Testing Kits.



Capacity Building

Skill Development in Faecal Sludge and Septage Management (FSSM) Sector in Indian towns and cities



The project commenced in 2020 with the support of USAID, in alliance with BMGF, HCL Foundation and ITC limited. With the implementation period of three years, this project aims to train government officials/engineers, private sector players, sanitation workers, NGO professionals, young professionals and other stakeholders that are associated with faecal sludge and wastewater management in urban local bodies across the country. In order to achieve this, WASH Institute is conducting various capacity building trainings/certificate courses on FSSM across India through classroom/online trainings. New modules, use of Learning Management System (LMS), interactive training methods such as simulations, games, videos, quizzes are some of the highlights of the training content which aims to ensure two-way participation and an enabling and fun environment for learning and growth.

The project not only aims to address the current lacunae with respect to skills, capacities and knowledge but also has the promise to be a platform to integrate & bring together the various sector professionals, training organizations, state & national government officials, private sector, NGOs etc. on one platform and provide them with a forum for continued interaction, learning & growth.

Key Achievements

Sanitation Workers Training: A total of 21 Sanitation worker trainings were conducted across four states including Bihar, Uttar Pradesh, Odisha, Rajasthan

states. The trainings covered a total of 764 sanitation workers. The trainings included sanitary workers and desludging operators. The focus of the trainings was mainly on safe emptying of septic tanks/pits, personal protective equipment use and disposal, safe sludge disposal practices, entrepreneur skills, laws pertaining to desludging operators, First Aid basics, equipment for emptying and transportation, gender sensitization etc.

Orientation Training: A total of 29 Orientation trainings were conducted across 12 states including Karnataka, Uttar Pradesh, Madhya Pradesh, Gujarat, Jharkhand, Jammu & Kashmir, Maharashtra, Kerala, Rajasthan, Assam, Odisha & West Bengal states. The trainings covered a total of 1472 Govt. Officials. The trainings included Directors, Deputy Directors, Municipal Engineers, Executive Engineers, Assistant Executive Engineers, State Directorate / SBM / UNICEF Officials, City Project Officers, Junior Engineers, Assistant Engineers, IEC Experts, MIS Operators, Data Processing Operators etc. The focus of the trainings was on SBM-U 2.0 Implementation, Preparation of CSAP & CSWA, Issues and practices in waste management in ULBs, orientation training on FSSM & IWWM etc.

Advanced Training: With an aim to strengthen capacities of ULBs, Academicians and private practitioners in planning and implementation of FSSM across cities and towns of India, three advanced trainings were conducted for 210 Govt officials and 19 private practitioners. The trainings included range

of topics including Introduction to FSSM, shit flow diagram, on-site sanitation systems – challenges and solutions, emptying and transportation, FSSM in Govt. programs such as SBM, Approaches for treatment of Faecal Sludge, Co Treatment, Standards & Reuse of Bio Solids, Operational Models in FSSM, success stories, gender sensitization etc.

NGO Representatives Training: A total of four NGO trainings were conducted for NGO Representatives of 17 states and 1 UT including Delhi, Bihar, Jharkhand, Uttarakhand, Telangana, Haryana, Karnataka, Odisha, Rajasthan, Maharashtra, Gujarat, West Bengal, Tamil Nadu, Uttar Pradesh, Andhra Pradesh, Chhattisgarh, Madhya Pradesh and Jammu & Kashmir.

These trainings were focused on Sanitation & Health, challenges faced by sanitary workers and desludging operators, PPE usage and disposal, First Aid basics, entrepreneur skills, laws pertaining to desludging operators, gender sensitization etc. The trainings covered a total of 159 NGO representatives. The trainings included Executive & Young Professionals, Consultants, Technical Experts, Community Mobilisers, Field Coordinators, Managers & Coordinators, Hygiene Supervisors, Project Engineers, Construction Supervisors, Program Officers, Head of Organization & Advisors. The focus of the trainings was mainly on Sanitation & Health, challenges faced by sanitary workers and desludging operators, PPE usage and disposal, First Aid basics, entrepreneur



skills, laws pertaining to desludging operators, gender sensitization etc.

Academicians Training: A total of four Academicians trainings were conducted in 15 states and 1 UT including Delhi, Uttarakhand, Karnataka, Kerala, Andhra Pradesh, West Bengal, Maharashtra, Tamil Nadu, Telangana, Jharkhand, Bihar, Chhattisgarh, Jammu & Kashmir, Uttar Pradesh, West Bengal & Odisha. The trainings covered a total of 323 academicians. The trainings included B.Sc. & M.Sc. students, UG Students, Research scholars, Assistant Professors, Associate Professors, Professors, M. Tech, BE Civil & BE Chemical students. The focus of the trainings was mainly on Onsite sanitation systems orientation, Centralised wastewater treatment design principles, introduction to decentralized wastewater management and its application in city context, reuse options of treated wastewater and bio-solids, public health and sanitation linkages, gender sensitization etc.

Certificate Courses Training

RPL Bridge Course for STP Operators: A total of 2 trainings were organized for 45 STP operators, sanitary workers and STP officials from Maharashtra and West Bengal. The training topics included concepts of STPs, STP technologies, sewage treatment, process and components, operations, monitoring and maintenance and workers safety and equipment etc.

Lab Technicians Training: A total of 5 trainings were organized for 24 lab technicians from Odisha. The trainings aimed at enhancing technical & managerial capacity of the resources leading to enhanced overall efficiency and performance of the treatment plants.

Short Term Course: A 3 months' certification course was conducted for students from Ram Krishna More College, Pune. The training topics included

introduction to wastewater treatment plant industry, wastewater types & treatment components & processes, Operations, Monitoring & Maintenance of wastewater treatment plant, safety measures, employability & entrepreneurship skills etc. A total of 31 students participated.

Exposure Visit: A one day exposure visit was organized for Executive Engineers, Assistant Executive Engineers, Environmental Engineers, Team leader AMRUT Nagar Yojana, Team leader WAPCOS etc. of Coimbatore, Karnataka at FSTP at Periyanackenpalayam, in Coimbatore District. A total of 12 officials were part of the exposure visit.

Testimonial

"Prior to this 3-day classroom orientation training on Integrated Capacity Building Programme, we were not aware about the newly launched guidelines of SBM U 2.0 & AMRUT 2.0 and many of the technical subjects of sanitation. The training has been fruitful as it has provided us with an overview on the guidelines, its planning, implementation & design components. Technical learnings on subjects such as stormwater drainage, sewage treatment technologies, co-treatment, etc., will be useful. We also hope that advance trainings on designing of treatment modules with site visits will be held where we can come together to learn and understand for better implementation. We are very thankful to USAID & WASH Institute for providing such a technical training on the much-needed subjects".

- Mr. Pankaj Kumar,
Junior Engineer,
Nagar Panchayat, Chattarpur, Jharkhand

A Community Led Initiative in the water scarce district of Ramanathapuram



Ramanathapuram district in Tamil Nadu has been identified as under-developed and is categorized as an Aspirational District under Niti Aayog's Aspirational District Program. The district has been afflicted with water shortage for many years as it has been unable to supply 55 LPCD of potable water to the people as mandated under Jal Jeevan Mission. Thirupullani block, have been declared highly drought prone by the Central Groundwater Board, with the ground water development status rendered as "Critical". Kallakulam village in Kanchirangudi panchayat is one such village under Thirupullani block which is marked by acute water shortage due to which the villagers were unable to withdraw water from the nearby well. Furthermore, the Oorani or the traditional pond was rendered silted up and lost its potential of storing maximum water that could recharge groundwater and the well.

In order to address this age-old issue, WASH Institute with the support of NSE Foundation, renovated an existing well near the Oorani upon a request from the Panchayat. The well was renovated with a parapet well and a platform that enabled access to safe drinking water for the community members. However, the well continued to remain unyielding. The issue was discussed in one of the WATSAN

Committee meetings where the decision of pond desiltation was taken unanimously. As a part of ownership building, the WATSAN Committee formed by the WASH Institute encouraged a small percentage of contribution from the villagers. With the collected amount of INR 30,000/- a JCB machine was hired and the activity to rejuvenate the Oorani was undertaken. To enable water retention by mitigating soil erosion and to improve ground water levels by increasing filtration, a bund was also constructed around the pond with dugout silt.

"We are extremely satisfied with the work done. The pond was desilted up to a depth of six feet which eventually resulted in recharging of water in the well. We no longer walk long distances now a days to fetch water. Most importantly, the time saved in walking long distance is now utilized in activities that contribute to the well-being of our families such as earning livelihoods and ensuring our children go to school."

- Mrs. Punitha, a WATSAN Committee member



Handing over of the community toilet block through Community Participation



There has been a rapid growth in slum population majorly around the urban settings such as towns and cities. One such slum is in Sarfabad in Noida, Uttar Pradesh. Since the slum dwellers remain on the move for livelihood, their priority towards improved sanitation facilities and safe drinking water often takes a backseat. This results into severe health issues, forcing the community members to often incur health related expenditures.

“We represent the migrant population and have mostly resided in slums. As slum dwellers, our priorities have always been to earn better livelihoods and support our families. Because of our lifestyle, we often used to ignore the importance of maintaining hygiene by using proper toilets, washing hands with soaps. As a result of which we remained afflicted with severe health issues which affected our livelihoods. We were helpless.” said Nuhu, the Caretaker of the Sarfabad Sanitation Block.

The above-mentioned situation in Sarfabad slum, necessitated the intervention of WASH Institute with the support of HCL Foundation in 2018 with the construction of a child, gender, and PwD friendly

sanitation block with RO plant and water cooler. Apart from the construction activities, this initiative titled “Promotion of swachh slums in Noida” ensured organizing various behavioural change activities to instil good hygiene practice in the slum dwellers. In an effort to build ownership among the slum dwellers and to sustain the constructed WASH facilities, WASH Institute also formed a Water and Sanitation (WATSAN) group and organized several meetings/ trainings to strengthen them. After years of strengthening them on Operation & Maintenance (O&M), hygiene etc, the team handed over the constructed WASH facilities to the community in January.

“We are grateful to the organization and HCL Foundation to enthuse confidence in us to ensure proper O&M of the toilet. The confidence enthused enabled us to approach WASH Institute to enable the handover of the constructed WASH facility to us. With the handing over that happened we are hopeful that we will keep up with the expectation of the organization to maintain it well.” recounted Nuhu.

Access to clean and safe toilets in Kuthukuluru Village



This story highlights how the combination of adequate sanitation facilities, behavioral practices and education is helpful in securing the school children's health and overall development. Located in Andhra Pradesh's East Godavari district in Anaparthi Mandal, Kuthukuluru village is a typical agricultural rural area with a population of 10,000.

With no educational facilities in the village till 1940s, parents used to send their children out of village to study. In 1940, the Gram Panchayat took the initiative to build a government school in the village. Funds were also used to build a school toilet, but it became defunct over the time due to lack of maintenance.



Not having running water facility forced students to use the toilets without water. Many boys were practicing urination in the open areas in and around the school. Additionally, the school's handwashing station was not child-friendly, the taps were either broken or non-functional, preventing students from practicing safe handwashing. Consequently, inadequate clean toilet and unhygienic conditions caused many students to suffer from Diarrhea and malaria.

School girls being ashamed and reluctant to use school toilets had to run their home to use the facilities. As a result, they missed classes and their performance suffered.

WASH institute in partnership with ITC Limited constructed Child friendly school toilet, running water facility and handwashing station in the village school. 13 boys and 8 girls were benefitted from this.

To ensure the self-sustainability of the WASH facilities in the school behavior change training was

conducted with the school management committee, parents, and the students. Students participated in painting wall murals related to hygiene, WASH steps, and COVID-19 awareness. The school staff and students were also shown videos demonstrating the importance of handwashing, personal hygiene, and cleanliness.

At the school level Child Cabinet was also formed where members of the cabinet were assigned to monitor their school on hand washing steps, sanitation, and hygiene practices.

Clean and usable toilet facilities, for both boys and girls, running water, hand wash station, safe hygiene practice in Kuthukuluru village, helped in reduction of school dropouts, prevent transmission of communicable diseases, contribute to increase in children attendance and learning.



Testimonial

"I am very much thankful to ITC/MSK and WASH Institute for the construction of gender segregated toilet block. Earlier, school students used to urinate outside/ inside of school premises, and they didn't practice proper handwashing steps. Also, due to unclean toilets we felt very uncomfortable to use the facilities.

Now that our school have new toilet block, I feel very proud and happy to come to school every day."

Peetala, 5th class, MPP AA Primary School

Financial Overview

Balance Sheet as on 31st March, 2022

Liabilities	Amount (INR)	Assets	Amount (INR)
General Fund	7,29,05,751.58	Fixed Assets	7,23,27,089.59
Fixed Assets Fund	7,23,27,088.77	Fixed Deposit	94,73,304.00
		Current Assets	
Restricted Fund	37,27,74,442.63	Advances, Security Deposits, TDS and others	58,69,054.90
		Fee Receivable 2020-21	50,49,275.00
Designated Fund	1,41,21,008.00		
Current Liabilities & Deposits	2,91,04,689.20		
		Cash & Bank Balances	46,85,14,256.69
Grand Total	56,12,32,980.18	Grand Total	56,12,32,980.18

Income & Expenditure for period ended on 31st March, 2022

Expenditure	Amount (INR)	Income	Amount (INR)
To Expenditure out of Restricted Grant	37,48,08,687.07	By Grant Received (to the extent utilized)	37,48,08,687.07
To Expenditure out of General Fund	1,54,41,285.85	By Bank Interest	1,27,43,257.62
To Expenses for Formal Course Centre	42,79,106.50	By Other Income	1,14,96,309.88
To Depreciation	64,78,431.73	By Excess of Expenditure over Income transferred to Various Funds	19,59,256.58
Grand Total	40,10,07,511.15	Grand Total	40,10,07,511.15

Receipts & Payments for period ended on 31st March, 2022

Receipts	Amount (INR)	Payments	Amount (INR)
To Opening Balance	18,80,07,820.67	By Payments out of Restricted Grant	35,76,47,170.23
To Grant Received	67,45,98,482.99	By Payments out of General Fund	4,08,81,540.85
To Bank Interest	1,23,23,803.12	By Expenses of Formal Course Centre	42,50,025.50
To Other Income	43,409.88	By Expenses out of Designated Fund	15,78,725.00
To Receipt for Designated Fund	33,54,422.00	By Other Payments	27,86,341.90
To Receipts relating to Last Year	40,28,247.00	By Outstanding Liabilities of Last Year-Paid	1,67,72,933.61
To Receipts relating to Formal Course	41,15,409.00	By Deduction towards TDS from Grant, Interest & Consultancy	12,90,773.00
To Statutory Dues (Collected net of payments)	14,42,046.00	By Closing Balance	46,85,14,256.69
To Other Receipts	33,60,910.12		
To Consultancy Income Received	24,47,216.00		
Grand Total	89,37,21,766.78	Grand Total	89,37,21,766.78

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We would like to thank our esteemed partners for their gracious & consistent support.

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BRIDGING THE KNOWLEDGE GAP FOR SUSTAINABLE COMMUNITY BASED SOLUTION

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