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About RCUES Mumbai

The Regional Centre for Urban & Environmental Studies (RCUES) at All India Institute of Local Self-Government (AIILSG), Mumbai was established by the Ministry of Housing and Urban Affairs (MoHUA), Government of India (GoI) to undertake urban policy research, technical advisory services and strengthening work capabilities of municipal officials and elected members from the States of Goa, Gujarat, Maharashtra, Rajasthan and UT's of Diu, Daman, Dadra & Nagar Haveli and Lakshadweep in the Western Region and States of Assam and Tripura in the North East Region. The Principal Secretary, Urban Development Department of Government of Maharashtra (GoM) is the ex-officio Chairman of the Advisory Committee of the RCUES, Mumbai, which is constituted by the MoHUA, GoI.

The RCUES, Mumbai was recognized by MoHUA, GoI as a National Training Institute (NTI) to undertake capacity building of project functionary, municipal officials, and municipal elected members under the earlier urban poverty alleviation programme-UBSP. The RCUES, Mumbai was also recognized as a Nodal Resource Centre for SJSRY (NRCS) and Nodal Resource Centre (NRC) for RAY by the then Ministry of Housing and Urban Poverty Alleviation, Government of India.

The then Ministry of Urban Employment and Poverty Alleviation (MoUE&PA), GoI and UNDP have set up the 'National Resource Centre for Urban Poverty' (NRCUP), which is anchored by RCUES of AIILSG, Mumbai.

AIILSG, Mumbai is empaneled by the Ministry of Housing and Urban Affairs, Government of India, for providing technical support to the ULBs in the field of water supply, sanitation, sewerage and drainage systems. RCUES, Mumbai is also identified as a technical service provider in Municipal Solid Waste Management projects under Swachh Bharat Mission (SBM) launched by the MoHUA, GoI.

In February 2016, the then Ministry of Housing and Urban Poverty Alleviation, Government of India empaneled the RCUES of AIILSG, Mumbai for conducting training and capacity building programme for experts of SMMU, CMMUs, COs, Key Officials and other stakeholders of the states and ULBs under Deendayal Antyodaya Yojana – National Urban Livelihoods Mission (DAY – NULM).

In 2017, AIILSG was empaneled among one of the 35 agencies in India for conducting Integrated Capacity Building Programmes (ICBP). AIILSG, Mumbai is supporting the states of Maharashtra, Rajasthan and Goa for the same.

Over the years, RCUES of AIILSG, Mumbai has been working in close coordination with state and local Governments to provide strategic, advisory, technical and capacity building support for assessment and improvement in infrastructure service delivery in cities.

Maharashtra Urban WASH and Environmental Coalition (Maha UWES-C) is a joint initiative of the RCUES of AIILSG, Mumbai, and UNICEF Maharashtra. The Coalition brings together local organisations, thought institutions and sector experts to strengthen municipal capacities and encourage collaborative action to enhance service delivery in WASH (Water, Sanitation, and Hygiene) in urban

Maharashtra. The Secretariat of the Maha UWES-C is anchored at RCUES of AILSG, Mumbai. In 2022, MoU is signed with the Directorate of Swachh Maharashtra Mission, Urban Development Department, Government of Maharashtra for building capacities, facilitating partnerships, and supporting innovations under Swachh Maharashtra Abhiyan - Urban 2.0 under Maha UWES-C.

Along with ULBs, it is also engaging with multiple stakeholders like NGOs/CBOs, SHGs, private sector organisations, financial institutions at city level for providing technical and strategic support focusing on preparing action plans/strategies, technical assessment reports, CSPs/CDPs/DPRs as well as on-ground support by engaging with communities for improvement in various urban sectors to ensure improved quality of life to the citizens. AILSG, Mumbai is also working at the grass root level in cities through field visits, guiding ULB officials, conducting situation assessments with the objective of bridging the gap between the cities and state for sustainable sanitation solutions under Swachh Bharat Mission - Urban.

Through all these activities, RCUES of AILSG, Mumbai is striving to transform the notion of capacity building by not limiting itself to trainings / workshops but engaging with the state and local governments at multiple levels. With a small but enthusiastic team, RCUES, Mumbai will continue to strive towards improving the capabilities of municipal officials with a broader objective towards developing able governments thereby enabling better cities.

For more information, please visit: <https://www.aiilsg.org/rcues.html>

About The Book

This document is compilation of the reports of regional specialized web-based and face to face training programmes and seminars conducted by RCUES of AILSG, Mumbai in the FY 2022 -23, supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI).

RCUES of AILSG, Mumbai is providing support to Government of India (GoI), States and ULBs through training, capacity building, and technical support in the implementation of projects primarily in states of Maharashtra, Gujarat, Rajasthan, Goa, Assam & Tripura and Union Territories of Diu, Daman, Dadra Nagar Haveli & Lakshadweep. The emergence of COVID-19 and the pandemic situation across the country thereafter, RCUES, AILSG, is planning to conduct online training since the FY 2020-21 in alignment with the need of the situation majorly focusing on post-pandemic challenges in cities.

RCUES of AILSG, Mumbai is continuing an earnest effort even this FY 2022-23, providing this capacity building support through web-based tailor-made training programmes to encourage the multiple stakeholders through this platform after the second wave of COVID-19. The RCUES, Mumbai has slowly started face to face capacity building programmes across the states of western region and north east region.

The RCUES, Mumbai continues to strive towards improving the capacities of municipal functionaries with the broader objective towards developing able government thereby enabling better cities.

Acknowledgement

The RCUES of AILSG, Mumbai is supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI) pleased to compile this document comprising a brief of the capacity building programmes and seminars. The RCUES of AILSG, Mumbai is thankful to MoHUA, GoI for the same.

The RCUES, Mumbai is sincerely grateful to the concerned Urban Development Departments & Authorities of Maharashtra, Goa, Gujarat, Rajasthan, Assam and Tripura State Governments for their continued support in facilitating the participants and making the capacity building programmes successful.

The RCUES, Mumbai extends its sincere gratitude to Shri. Ranjit Chavan, President, AILSG and Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG for their continuous guidance and encouragement for making the capacity building programmes most effective.

The RCUES, Mumbai invited the participants from ULBs of Maharashtra, Goa, Gujarat, Rajasthan, Assam and Tripura and Union territories of Diu, Daman, Dadra Nagar Haveli and Lakshadweep and would like to express gratitude towards all the participants who made the programmes successful.

The RCUES, Mumbai is also thankful to all distinguished trainers for their valuable inputs shared with the participants through training programmes and encouraged them to tackle work in align with city specific objectives and motivated them for applying knowledge in effective implementation of ongoing missions at city level.

The RCUES, Mumbai appreciates its entire team for rigorous efforts in conducting all the training programmes and seminars effectively and on time.

The Director
RCUES, AILSG, Mumbai



REGIONAL SPECIALIZED

**WEB-BASED / FACE TO FACE
TRAINING PROGRAMMES**

Regional Specialized Web-Based Training Programme on

Menstrual Hygiene Management

under Health & Safety of Sanitation Workers

30th - 31st May 2022

Key Highlight

Through this web based training programme, the participants got well acquainted to help to break the silence and build awareness about the fundamental role that the safe menstrual hygiene practices play in enabling them to reach their full potential. It also makes them aware the environmental pollution and health hazards associated with the unsafe disposal of the products used during menstruation.

Background

Sanitation workers are a key part of the Water and Sanitation Hygiene (WASH) system. COVID-19 has highlighted the critical role sanitation workers play in maintaining overall hygiene – collection, handling and disposal of solid and liquid waste (including faecal waste), cleaning of streets and drains. They are at the frontline of providing essential services, yet their contribution goes unrecognized and little is done for their protection and wellbeing. They face high occupational risks and hazards, livelihoods and financial insecurity as well as are subjected to social discrimination and stigma. Government advisories have been issued by the Central and State Governments such as the Ministry of Housing and Urban Affairs, Central Pollution Control Board, Ministry of Health and Family Welfare etc., to address the challenges of urban water and sanitation, particularly with focus on health and safety of sanitation workers.

Though women sanitation workers play an important role in sanitation systems, their contribution is often unappreciated and too often they work in hazardous conditions that expose them to the worst consequences of poor sanitation. To achieve the ambitious agenda of Sustainable Development Goal (SDG) 6 & 8, there is a strong need to improve their occupational risks and hazards, livelihoods and financial insecurity as well to remove the social discrimination and stigma that they face on account of their occupation. There is a need to emphasize the importance of good Menstrual Hygiene Management (MHM) by creating awareness about appropriate hygiene protocols and measures to be followed. The stigma around the topic of menstruation has led to lack of awareness about appropriate menstrual hygiene. In order to break the stigma around this topic, Urban Local Bodies (ULBs) and other stakeholders need to put serious efforts in pursuing and implementing these practices at the ULB level.

Considering this background, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai is organized a **Regional Specialized Web-Based Training Programme on 'Menstrual Hygiene Management under Health & Safety of Sanitation Workers' on 30th - 31st May, 2022**. This training programme was supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

The key objective of this web-based training programme was to address the menstrual hygiene issues by adopting safe menstrual hygiene practices and motivating ULBs and other stakeholders to create awareness towards safe menstrual hygiene management.

Participation

In all, 223 participants comprising Additional Executive Engineers, City Project Officers, Community Organizers, Junior Overseers, Sanitary Inspectors, Mukadams, Supervisors, Sanitation Workers, Health Volunteers, Representatives of Non-Governmental Organizations' (NGOs) and concerned officials from the States of Maharashtra, Rajasthan and Assam attended this training programme.

Introduction

The web-based training was commenced by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai by welcoming the distinguished trainers and the participants. She explained the objectives of the training programme and said that the participants will be acquainted with safe menstrual hygiene practices and the importance of WASH facilities for effective implementation of menstrual hygiene management.

She further highlighted the significance of the work carried out by sanitation workers and spoke on related issues like their health, pay structure, contractual job nature. She pointed out that application of effective

MHM is still a distant reality in communities due to minimal WASH facilities exposing them to health hazards during menstruation. She expressed confidence that this training programme will help the women sanitation workers to motivate and to create awareness about the risks of poor menstrual practices.



Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

Technical Sessions

The session on 'Health, Safety and Wellbeing of Sanitation Workers' was conducted by Mr. Anilkumar Jain, Additional Chief Engineer, Public Health Engineering Department (PHED) – Government of Rajasthan. He commenced his session by mentioning that sanitation workers are mostly from the backward classes and poorer section of society. He focused on the importance of sanitation workers in the society in terms of cleaning, maintaining, operating or emptying a sanitation tank / storage in the sanitation chain because of which safe sanitation services become available in homes, schools,

hospitals, public places etc., and protecting public health.

He also pointed out that sanitation workers faced many challenges including occupational safety and health, diseases related to contact with the excreta, injuries, the dangers of working in confined spaces, psychological stress etc. These risks are intensified under conditions of poverty, illness, poor nutrition, poor housing, child labour, migration, drug and alcohol abuse, discrimination, social stigma and societal negligence. Further he stressed on the women sanitation workers and their vulnerable conditions, according to



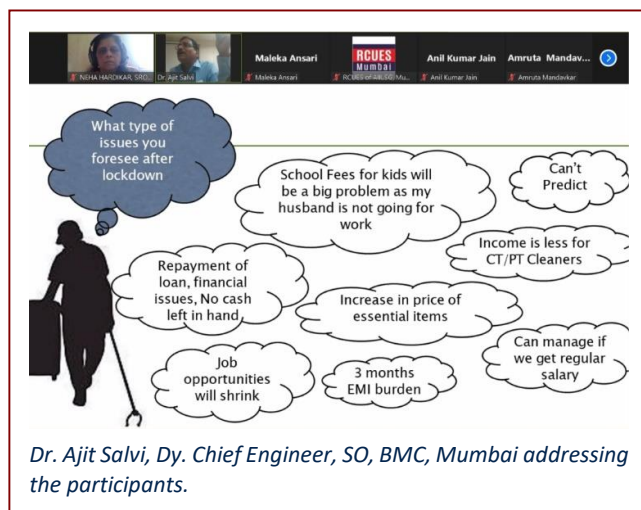
Mr. Anilkumar Jain, Additional Chief Engineer, PHED, Government of Rajasthan, Jaipur addressing the participants.

him total 5 million sanitation workers estimated in 2018 by National Sample Survey in which 50% women sanitation workers included. He added that menstruation days are health wise challenging for women sanitation workers, they faced difficulties with menstrual stomach cramps, lethargy, thigh rashes caused due to sanitary napkins or cloth, urinary infections, weakness and dizziness. He critically emphasized that adverse menstrual hygiene rooted in persisting taboos and stigma, restricted access to hygienic menstrual products and poor sanitation infrastructure affected educational opportunities, health and the overall social status of women and girls.

At the end of the session he advised the ULBs to reach out to the vulnerable and backward communities, and design interventions like sensitization drives to provide menstrual health literacy and increase awareness about the risks of poor menstrual practices. Finally he quoted that a progressing nation like ours, the sanitation workers must be able to work with dignity, facilities, safety and pride.

The next session on Occupational Health and Safety of Sanitation Workers' was conducted by Dr. Ajit Salvi, Dy. Chief Engineer, Sewerage Operation (SO) Brihanmumbai Municipal Corporation (BMC) Mumbai. He commenced his session with a discussion on various types of waste i.e. solid, liquid and sludge/septage and their operations. He further explained sanitation workers safety by stating that it needs special attention by way of safe management which includes collection, handling, transportation, procession and disposal of waste streams. Further he highlighted the peculiar scenario of sanitation worker by describing that their occupation is of high risk, their health issues and lack of occupational safety.

Dr. Salvi also focused on the status of women sanitation workers by mentioning that the proportion of women in sanitation work showed rise. He stated that women sanitation workers are in vulnerable conditions even when exposed to similar risks as their male counterparts. Further he pointed out that sanitation workers suffered additional risk due to the design of protective equipment and tools that are not well-suited to their bodies. In addition, sometimes they suffered a lot due to lack of availability of their entitlements including maternity leave, other leave benefits, insurance, adequate remuneration, protection from social and professional stigma and lack of access to upskilling, etc. He discussed the menstrual issues of women sanitation workers and stated that every month during menstruation days, women workers suffer rashes, infections and bruises on their thighs due to a tiring work-schedule and walking miles, besides lack of proper toilet facilities, poor backgrounds and conservative families, the stigma surrounding the profession makes it even worse. Most of these women fail to express their problems and always hesitate to ask for leave during the periods.

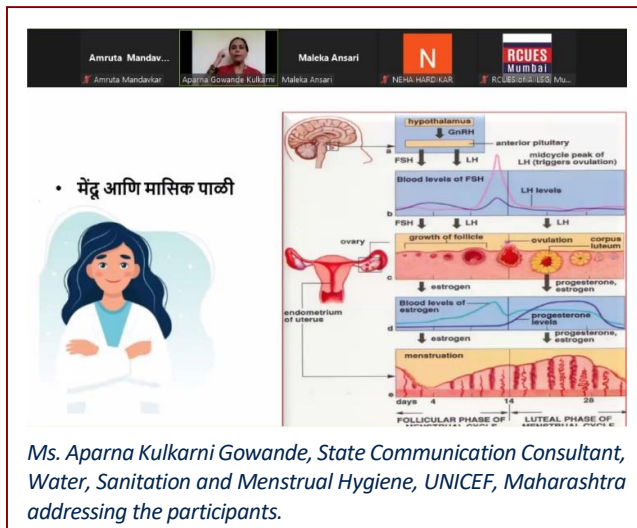


He informed the participants that the government has undertaken various initiatives through policies, schemes, laws, and programmes to ensure a safe and sound environment and dignity to the sanitation workforce. The Swachh Bharat Mission focused on ensuring a dignified and safer source of livelihood for sanitation workers by integrating them into the formal workforce through a convergence scheme with the National Urban Livelihood Mission (NULM).

At the end of the session, he appealed to Government authorities to adopt a holistic perspective in order to improve the conditions of sanitation workers. He stressed on the role of ULBs in ensuring safe

and better working conditions for the sanitation workers. He also discussed on the special measures in terms of health and safety of women sanitation workers are required to design interventions by ULBs to implement sensitization drives to provide menstrual health literacy and increase awareness about the risks of poor menstrual practices.

On the second day, a training programme specially designed to discuss menstrual hygiene management of women sanitation workers was taken up. First session was conducted by Ms. Aparna Kulkarni Gowande, State Communication Consultant, Water, Sanitation and Menstrual Hygiene, UNICEF, Maharashtra.

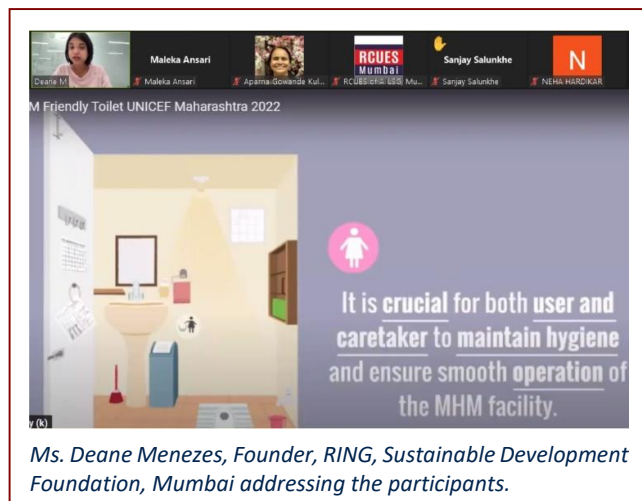


She started her session by highlighting the scenario of myths and taboos existing in society about menstruation. She briefly discussed the reasons behind the necessity of MHM and its implementation which included health related threats among females, drop-out of girls from school, child marriage, mental and social negative results about menstruation, environment and finally integrated impact on economic development. She informed the participants about the physical and mental changes occurring during adolescent stage in male and female. She said that their challenging journey of this stage needs support from parents, teachers, friends and surrounding partners and

guidance about the nutrition, health related precautions and menstrual hygiene management. She described the exploiters and situations and other menstrual cycle management methods and their handlings.

She also covered her discussion on the importance of health and safety of women sanitation workers. She said that MHM is a multi-sectoral issue that requires integrated action from the WASH, health, protection and gender sectors. Promotion of convergence is necessary between all departments concerned in the menstrual hygiene management in the context of providing menstrual friendly life to the women sanitation workers and to overall women in the society.

The next session on 'Key Action Points to be taken for advocating Menstrual Hygiene Management (MHM)' was conducted by Ms. Deane Menezes, Founder, Red Is the New Green (RING), Sustainable Development Foundation, Mumbai. She highlighted that this training platform is organized to sensitize sanitation workers about their health issues, both male and female, to enable them to raise their voice by breaking hesitation, silence and shame. She mentioned that this is the time to act together and make MHM intervention friendly. She encouraged the participants to develop a positive attitude towards menstruation and its hygienic management which is most important to live a healthy and safe life. She shared her international experience of one of the cities of the United States, where adolescent's girls and women



wear beads bracelets during menstruation in which five beads of the center place of bracelets are red and remaining beads are white. Similarly in Korea, they have discovered a safe menstrual pantie through which blood does not leak out. Health staff including female doctors, nurses and other concerned hospital staffs used this pantie during COVID-19 emergency time. It was quite an interactive session, where participants raised questions which were answered satisfactorily by Ms. Deane Menezes.

Summing-up

The training programme was concluded by proposing a vote of thanks to the distinguished trainers and the participants after taking question & answer session, by Ms. Maleka Ansari, Sr. Research Officer, RCUES of AILSG, Mumbai.

Glimpses of the Web-Based Training Programme

मासिक पाळी व्यवस्थापन पद्धती

- वापराच्या पद्धती
- हाताळणी
- ठेवणे/ साठवणे
- काळजी
- विन्येवाटीसाठी योग्य उपयुक्त

गरज

मासिक पाळी व्यवस्थापनाची गरज

आरोग्याची संवर्धित धोके

मानसिक व सामाजिक नकारात्मक परिणाम

वास्तविक

आर्थिक विकासावर होणारा परिणाम

पर्यावरण

२८ दिवसांनी येणारी मासिक पाळी

last day 28th

26th 27th 28th 29th 1st day, 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th

uterus lining continues to thicken

uterus lining is shed

ovulation

egg dies if not fertilised

a mature egg released from ovary

uterus lining starts to grow again

Day 1-5 The body starts shedding the lining of the uterus.

Day 6-10 The body continues to shed the lining of the uterus.

Day 11-15 The body starts to shed the lining of the uterus.

Day 16-18 The body continues to shed the lining of the uterus.

Day 19-24 The body starts to shed the lining of the uterus.

Day 25-28 The body continues to shed the lining of the uterus.

माहवारी/पीरियड्स

इसके बारे में बात करना जारी रखें

Regional Specialized Web-Based Training Programme on

Swachh Bharat Mission – Urban 2.0

07th - 08th June 2022

Key Highlight

The participants acquired knowledge on inclusive perspective of the first phase of SBM-U and strategic implementation for sustainable SWM and sanitation management through the technical sessions of this web-based training programme.

Background

Swachh Bharat Mission - Urban 2.0 [(SBM-U 2.0)] envisages to make all cities 'Garbage Free' and ensure grey and black water (used water) management in all cities other than those covered under AMRUT. The objective is to make all Urban Local Bodies (ULBs) ODF+ and those with a population of less than 1 lakh as ODF++ and, water+ in order to ensure that no untreated used water is discharged in open to pollute water bodies, thus achieving the vision of safe sanitation in urban areas. The Mission also focuses on source segregation of solid waste, utilizing the principles of 3Rs (reduce, reuse, recycle), scientific processing of all types of municipal solid waste and remediation of legacy dumpsites for effective solid waste management.

The achievements under SBM - Urban need to be sustained in the long run with creation of adequate infrastructure and their implementation needs to be accelerated manifold. Hence, SBM-U 2.0 focuses on garbage free cities and sustainable sanitation. While observing India's journey in Solid Waste Management, it has been observed that as a part of the multi-pronged strategy, along with the launch of SBM-U, SWM Rules 2016, Construction and Demolition (C&D) Waste Rules are made and brought in implementation as also the policies on Plastic Waste Management including reduction in single use plastic, and remediating all legacy dumpsites.

Considering this background, the Regional Centre for Urban and Environmental Studies (RCUES) of the All India Institute of Local Self Government (AIIILSG), Mumbai conducted a **Regional Specialized Web-Based Training Programme on 'Swachh Bharat Mission - Urban 2.0' on 07th - 08th June 2022**. This training programme was supported by the Ministry of Housing and Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

The key objective of this web-based training programme was to understand the role of ULBs in making cities garbage free and water-secure by addressing the challenges in implementation of SWM and management of wastewater to ensure clean and healthy cities.

Participation

In all, 88 participants comprising Chairpersons, Chief Officers, SBM Consultants, Municipal Engineers, City Project Officers, MIS / IT Experts, Labour Officers, Jr. Overseers, Sanitary Inspectors, Sanitary Workers from the states of Maharashtra, Gujarat, Assam, Delhi and Madhya Pradesh attended this web-based training programme.

Introduction

The web-based training programme was initiated with the introduction given by Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai. She welcomed the distinguished trainers and participants and spoke about the RCUES's objectives and functioning. She then explained the objective of this training programme and how the achievements under SBM-U need to be sustained by creating adequate infrastructure facilities, and their implementation needs to be accelerated in a sustainable manner. She said henceforth, SBM-U 2.0 will have a more concerted focus on garbage free cities and sustainable sanitation. She encouraged the participants to keep the synergy with expert subject trainers in understanding the strategic implementation of SBM-U 2.0 through this virtual platform. She further requested the trainers to commence the technical sessions.



Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

Technical Sessions

The first session on 'Swachh Bharat Mission - Urban 2.0' was conducted by Mr. Arvind Kumar Singh, Head (Water & Sanitation), Urban Management Centre (UMC), Ahmedabad, Gujarat. The session initiated by explaining achievements of eradication of open defecation and scientific solid waste management in all statutory towns under the first phase of SBM-U. The sanitation protocols were explained by giving the status ODF and municipal solid waste management in cities. He said that SBM-U 2.0 launched in October 2021, aims to create Garbage Free Cities in India within the next 5 years. The expected outcomes under SBM-U 2.0 such as (a) all ULBs become at least ODF+, (b) ULBs with less than 1 lakh population become at least ODF++, (c) 50% of ULBs with less than 1 lakh population become Water+, and (d) ULBs become certified at least 3-star Garbage Free rating were elucidated.



Mr. Arvind Kumar Singh, Head (Water & Sanitation), UMC, Ahmedabad, Gujarat addressing the participants.

Further he explained funding allocation

In his talk, he focused on Jan Andolan - Citizen's engagement to promote ownership of 'Swachhata' by bringing them to the center stage of the mission, especially women Self-Help Groups (SHGs) to be mobilized for community level facilitation. While explaining the mission strategies he said that the focus in Jan Andolan is given on behavior change. Further he explained funding allocation

under SBM-U 2.0, where funds are allocated for project implementation, IEC activities, capacity building and committed liabilities carried over from phase one of SBM-U. He highlighted that funding allocated for Used Water Management is double the funding allocated for Solid Waste Management (SWM). Strengthening of E-learning, adoption of new technologies, start-ups and business models, focus on skill development in sanitation and waste management sector are significant components in capacity building, he added. Besides, robust ICT enabled governance is crucial to enable real-time monitoring of assets. The Mandatory Entry Level conditions were explained by stating about aligning property tax floor rates with market rates with periodic revisions, as recommended by 15th Finance Commission. There is a need to levy and collect user charges for services provided, to recover operational costs, with periodic increase within a period of two years. The Public Financial Management System (PFMS) is adopted by all ULBs to receive funds from SBM-U 2.0, in which all transactions are made through Direct Benefit Transfer (DBT) and/or Expenditure-Advance-Transfer (EAT) modules. He then spoke on sustainable sanitation practices implemented through used water management by explaining its objective and components. He further mentioned about the outcome based Central Funding for PT-CT and Urinal where central funding is received in 2 instalments whereas in the outcome based Central Funding for Used Water Management, it is received in three instalments. While explaining about sustainable solid waste management, he highlighted that Central Government does not provide funds for cost of setting up primary collection & transportation (C&T) systems, including modernization of existing systems, which is one of the components under SBM-U 2.0. He said that Micro Composting Centre is a facility, where wet waste is processed into compost. He later explained the entire process of dry waste processing at Material Recovery Facility (MRF) and the process of safe disposal of non-recyclables and inert waste. He spoke on IT-enabled applications for implementation under SBM-U 2.0.

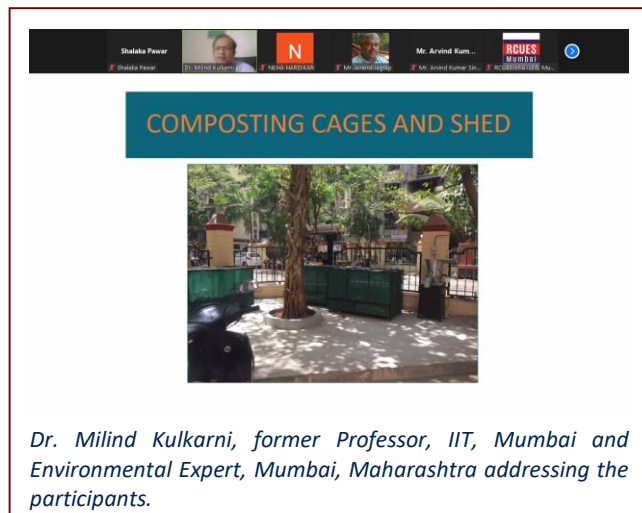
He also highlighted on evolution of Swachh Survekshan (SS) by stating that out of the four phases of assessment in SS, phase 1 and 2 will be assessed on the basis of service level progress indicators designed for SS 2022. He explained the comparative analysis in marks and indicators of service level progress in SS 2022 and SS 2023. He further elaborated on Star Rating Protocol for Garbage Free Cities (GFC) by explaining Seven Star Rating which is devised to ensure holistic evaluation across entire SWM Chain. He mentioned about Scoring Matrix under Star Rating Protocol. He explained ULB's approach in making cities 'Garbage Free' by discussing on its various components which include effective source segregation at House Hold (HH) level, decentralization of waste processing, selection of appropriate technology for waste management, capacity building of municipal officials and staff, management of legacy waste and land reclamation, engagement of SHGs and Informal Waste pickers in SWM Value Chain. He concluded his session by encouraging the participants to focus more on Star Rating Protocol for making cities garbage free.

The next session on 'Sustainable Solid Waste Management in Cities under Swachh Bharat Mission - Urban 2.0' was conducted by Dr. Milind Kulkarni, former Professor, Indian Institute of Technology (IIT), Mumbai and Environmental Expert, Mumbai, Maharashtra. He gave emphasis on source segregation of solid waste by using the principles of 3 R's (Reduce, Reuse, and Recycle). He spoke on the current scenario of SBM-U by mentioning that the solid waste dumped to landfills is substantially reduced, by giving the example of Mumbai city where it is reduced from 9500 Mt/day to 6000 Mt/day. He also mentioned about the cities, which have achieved ODF status during the first phase of SBM-U, implementation of door to door waste collection, transportation and centralized waste treatment occurred effectively was also a common feature of these cities. He also highlighted that dry waste recycling increases substantially leading to circular economy and protection of environment. He added that waste pickers received sustainable income source leading to economic betterment. Though a few components are implemented effectively, several challenges persist in source segregation, decentralize composting, dry waste recycling etc. ULBs play a crucial role in effective implementation

of SWM service chain. He also highlighted that the elected representatives can play an effective role in promoting segregation at ward level through awareness campaigns, posters and flyers etc., on SWM Rules. These practices need to be converted into statutory rules like MSW Rules in order to have force of law. The segregation of waste at source can be promoted by organizing at source waste segregation competition and awarding the winners.

He then discussed the pictures of composting pits, shredders, composting cages and shed, composting tumblers etc. He explained the issues in collection of segregated waste at

household levels as housekeeping staff is reluctant to take two or three dustbins at each floor. The Penalty should be levied to households for non-segregation of the waste. He further said that residential societies should be encouraged to make compost of wet waste at household level and linked them to farmers through ULBs as organic farming requires huge amount of composting. He spoke on issues of dry waste and their solutions. He added that composting protocol needs to be practiced meticulously in order to have good quality of compost as well as to avoid issues like foul smell etc. Hence before deploying housekeeping staff for composting operations they should be properly trained. Training should involve the turning operations, addition leachate absorption material such as saw dust, balancing of Carbon & Nitrogen (C&N), use of personal protection equipment etc. He concluded his session by explaining the significance of three R's in SWM service chain.



Dr. Milind Kulkarni, former Professor, IIT, Mumbai and Environmental Expert, Mumbai, Maharashtra addressing the participants.

- Capability, motivation and opportunity all need to be present for a behaviour to occur
- They all interact as part of a system
- Motivation must be stronger for the target behaviour than competing behaviours

Mr. Anand Jagtap, former OSD, BMC and a Sanitation Expert, Mumbai, Maharashtra addressing the participants.

The next session on 'Importance of Information Education and Communication (IEC) and Stakeholders' Participation in Implementation of SBM - Urban 2.0' was conducted by Mr. Anand Jagtap, former Officer on Special Duty (OSD), Brihanmumbai Municipal Corporation (BMC) and a Sanitation Expert, Mumbai, Maharashtra. He commenced his session by giving an overview of SBM-U phase-I. He emphasized on importance of IEC by stating that under first phase of SBM-U, Government and private sector spent Rs.35 to 40 billion on the training and dissemination of IEC activities. He said that volunteers need to be engaged

with National Urban Livelihood Mission (NULM), National Urban Health Mission (NUHM), ASHA, Anganwadis, SHGs, NGOs, youth/ women's groups, CBOs, Residents Welfare Association (RWAs) etc. He also said that ULBs need to facilitate formal creation and registration of all residential areas into RWAs/ CBOs/ Slum Development Associations or equivalent, to strengthen ULB's last mile connect with every household. ULBs should set up City Sanitation Committees with participation of selected citizen representatives for periodically reviewing and monitoring the efficient functioning of assets created. All SHGs, especially women SHGs to be engaged for ground level/ community level facilitations and interpersonal communication initiatives. He then explained the difference between IEC and Behaviour Change Communication (BCC) by saying that IEC is used for creating awareness at community level whereas BCC is for enabling activities in the community. IEC is a process to develop

communication strategies in order to promote positive behavior whereas BCC is a process of providing supportive environment which enables people to initiate and sustain positive behavior. IEC provides information to the people to behave in a particular manner whereas BCC supports people to take an action. He talked on behavior change interventions and their developing strategies. He concluded his session by emphasizing on implementation of the components such as capacity, motivation, and opportunity for inducing behaviour change.

On the second day, the session on 'Construction & Demolition (C&D) Waste under SBM - Urban 2.0' was conducted by Dr. Dilip Patel, Professor, Department of Civil Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat. He commenced his session by emphasizing on sources of Construction & Demolition (C&D) Waste in Indian cities. He explained the definition of C&D waste as defined by Ministry of Environment, Forest and Climate Change, Government of India (GoI), 2016. He elaborated on various sources of C&D waste generation such as excavation and road work, construction of new buildings, renovation of old buildings,



The screenshot shows a presentation slide with a dark header containing names: Shaloka Pawar, Dr. Dilip Patel, NISHU MACHKAR, and Amruta Mandavkar. The slide title is "What is C&D Waste?". Below the title is a definition: "The waste comprising of building materials, debris and rubble resulting from construction, re-modeling, repair and demolition of any civil structure (Ministry of Environment, Forest and Climate Change, GoI, 2016)". There are six small images showing various types of construction and demolition waste, including rubble, bricks, and debris. At the bottom of the slide, it reads: "Dr. Dilip Patel, Professor, Department of Civil Engineering, SVNIT, Surat, Gujarat addressing the participants."

sewer and telephone work etc. He further mentioned that the C&D Waste generation is estimated in Million Tones by several institutions which shows its huge size. The estimates of the Ministry of Environment, Forest & Climate Change were highest in 2016. Similarly, Mumbai and Chennai cities generate highest C&D Waste as per Central Pollution Control Board 2016. He elucidated upon the issues and challenges in management of C&D Waste where emphasis is given on disposal of C&D waste in a secured manner. He then explained the road map of C&D waste management in which time frame for planning and implementation was discussed. He later elaborated on duties and responsibilities of various stakeholders involved in C&D waste management under the 2016 rules. He further elaborated on existing guidelines for C&D Waste Management and also explained its process. He mentioned that cities have employed the reuse of C&D waste in construction globally. Singapore, Denmark and Japan have achieved 98% success in recycling C&D waste as per the provision of IS 383:2016 provision for recycled aggregates. He said that there are issues in recycling of C&D waste. They include lack of appropriately located recycling facilities, absence of appropriate technology, lack of awareness, government support, and of proper standards. He said that cost of disposal of waste from construction industry to landfill has a direct bearing on recycling operations, low dumping costs, heterogeneous quality of recycled materials lack of economic incentives etc. He talked on the present waste handling practices adopted by the construction industry in India at different levels where items recovered during construction / demolition are sold in the market at a discounted rate, the feasibility of recycling is not even considered seriously in most cases. Items that cannot be re-used are used for filling the land, Landfill tax is not imposed by ULBs, and the waste is disposed without segregation and penalty is not imposed on violation of C&D Waste Management Rules 2016.

He spoke on challenges in C&D Waste Management such as sorting, handling and transportation of C&D waste, recycling process and its economic viability, current demolition techniques, disposal cost including landfill taxes and limited market awareness etc. He also emphasized on holistic approach towards sanitation by stating that C&D waste composition characterization indicates that C&D waste may comprise different pollutant compositions. These contaminants would have a negative impact on the surrounding environment (e.g., soil, groundwater, and water), directly or indirectly affecting human health. He stated that from an environmental standpoint, recycled products have been

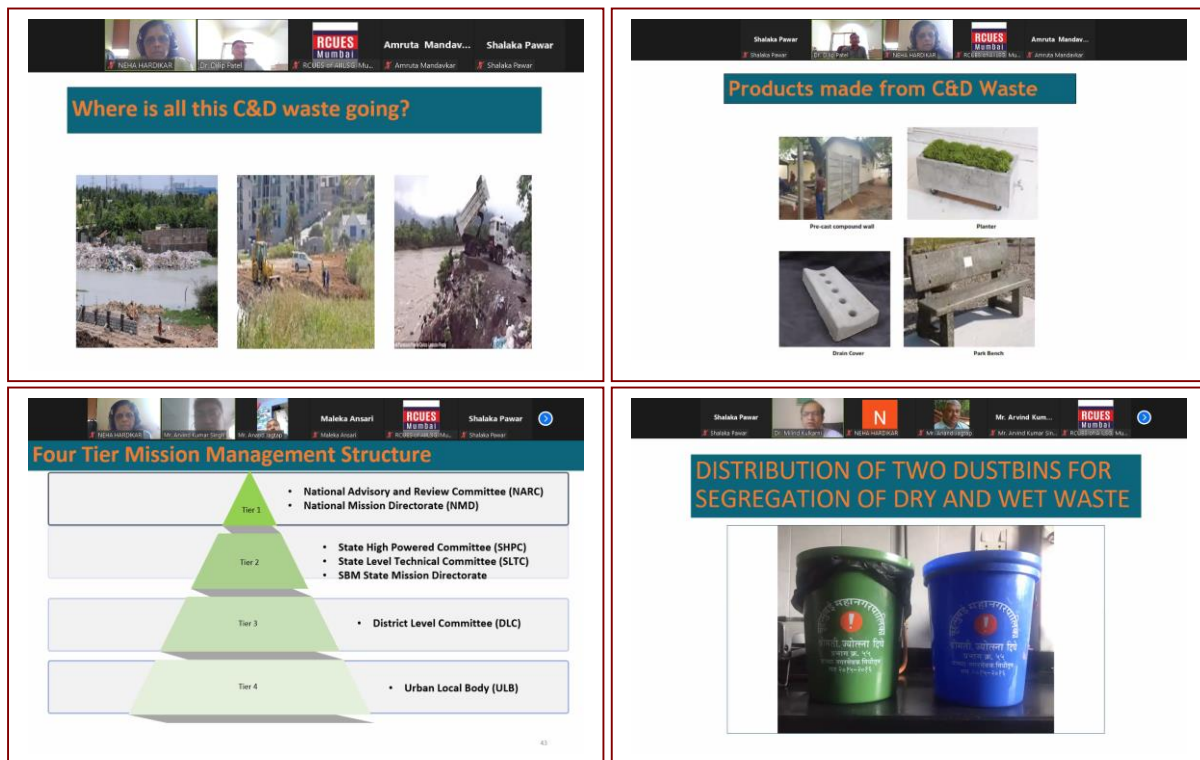
claimed to be sustainable at places where natural resources are not locally available. He concluded his session by saying that different products can be manufactured using C&D waste instead of dumping at landfills, such as paver blocks, concrete blocks, jali, tiles, kerb stone, park bench, planter, pre-cast compound wall, drain cover etc. by showing pictures of manufactured products.

The Question and Answer session was followed after this session. In this session the participants asked questions to the trainers on implementation of C&D waste management in their cities, which were replied. After this session, the feedback was taken from the participants.

Summing-up

At the end of the feedback session, the Vote of Thanks was proposed by Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai to the subject trainers and the participants and concluded this web-based training programme.

Glimpses of the Web-Based Training Programme



Regional Specialized Web-Based Training Programme on

Atal Mission for Rejuvenation and Urban Transformation - 2.0

15th - 16th June 2022

Key Highlight

In this web-based training programme the participants gained knowledge pertaining to AMRUT 2.0 towards AatmaNirbhar Bharat which has an aim of making the cities water-secure and providing functional water tap connections to all households.

Background

On 1st October, 2021, Government of India launched “Atal Mission for Rejuvenation and Urban Transformation (AMRUT) - 2.0” with the aim to create water-secure cities, providing universal coverage of water in all statutory towns and 100% coverage of sewerage/ septage management in 500 AMRUT cities through circular economy of water as a step towards AatmaNirbhar Bharat for achievement of targets upto 2025-26. A robust technology-based portal for monitoring is planned by adopting projects based on geo-tagged strategy where cities can assess their water source, consumption, future requirements and water losses through a city water balance plan. Pey Jal Survekshan is introduced in order to encourage competition amongst cities for benchmarking urban water services and incentivize mobilization of market finance by mandating implementation of 10% worth of projects in cities with population above ten lakhs, through Public Private Participation. For effective implementation of projects, Information, Education and Communication (IEC) campaign is undertaken to spread awareness among the public about water conservation. In this way, efforts are being made to make ULBs equal partners in planning and implementation of projects. A sound institutional structure is a foundation to successful missions. Hence, capacity building programs and a set of reforms have been included in it. Reforms lead to improvement in service delivery, mobilization of resources and making municipal functioning more transparent and accountable, while capacity building will empower municipal functionaries and lead to timely completion of projects.

Considering this background, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai organized a **Regional Specialized Web Based Training Programme on ‘Atal Mission for Rejuvenation and Urban Transformation - 2.0’ on 15th - 16th June 2022**. This training programme was supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

The key objective of this web-based training programme was to discuss the role of Urban Local Bodies (ULBs) in making the cities AatmaNirbhar and water-secure under AMRUT - 2.0.

Participation

In all, 51 participants comprising of Chairmen and Vice Chairmen of the Committees of Municipalities Chief Officers, Executive Officers, Municipal Engineers, City Nodal Officers, Urban Infrastructure Experts, Sr. Chemists, Project Officers, Community Organizers, Sanitary Inspectors, Sanitation Workers, Outreach & Multi-Purpose Health Workers, Health Volunteers from the states of Maharashtra, Gujarat, Rajasthan, Goa, Assam and Tripura attended this training programme.

Introduction

The web-based training was commenced by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai by welcoming the distinguished trainers and the participants. She explained the objectives of the training programme. While elaborating about the mission she stated that AMRUT was one of the missions introduced in 2015 with an aim to improve quality of life mainly for the poor and the disadvantaged by providing basic services including water supply, sewerage, urban transport and encouraging to develop green spaces and parks. She added that after completion of the first phase, AMRUT 2.0 is designed to make all cities water-secure and to upgrade financial health of ULBs and ease of living for citizens. Further she informed the participants that this training programme is designed to discuss the provisions of AMRUT phase 2.0. She highlighted the efforts of RCUES, Mumbai to provide guidance and direction to the officers & functionaries working on implementation of AMRUT through this training platform.

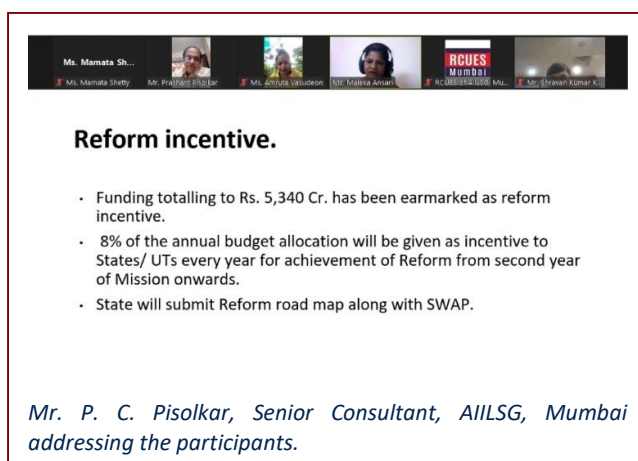


Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

Technical Sessions

Mr. P. C. Pisolkar, Senior Consultant, AILSG, Mumbai delivered a session on 'Overview of AMRUT & AMRUT – 2.0'. He commenced the session on Performance of AMRUT Phase - I by highlighting Mission Components & Thrust Areas. He stated that AMRUT 2.0 is the continuation of the mission launched in June 2015 in order to ensure that every household has access to a tap with the assured supply of water and a sewerage connection. He briefly discussed the objectives of the mission which aims mainly to address water needs, rejuvenate water bodies, better manage aquifers and reuse treated

wastewater. He also discussed the provisions of implementation of projects targeting to increase coverage of sewerage and septage management in AMRUT cities. Further he said that recycling and reuse of treated wastewater is expected to cater to 20% of total water needs of the cities and 40% of industrial demand. Further he explained that under this phase of the mission, natural resources' sustainability through protecting fresh water bodies from pollution is aimed at. He informed that Pey Jal Survekshan is expected to be conducted in cities to ensure equitable distribution of water, reuse of



Mr. P. C. Pisolkar, Senior Consultant, AILSG, Mumbai addressing the participants.

wastewater and mapping of water bodies through implementing technological based portal management.

Mr. Pisolkar also briefly discussed State Water Action Plans (SWAPs) & City Water Action Plans (CWAPs). He said that CWAPs evaluate the proposed projects by the ULB's on the priority sectors of water supply; sewerage/ septage management; rejuvenation of water bodies including green spaces & parks.

In the next session, Mr. Shравan Kumar Kota, Research Officer, South Asian Institute for Advanced Research and Development (SAIARD), Guwahati, Assam conducted the session on 'Strategies adopted for making AatmaNirbhar Bharat under AMRUT - 2.0'. He stated that AatmaNirbhar Bharat Programme is launched by the Prime Minister in May 2020 with an economic stimulus package - worth Rs. 20 lakh crores aimed towards achieving self-reliance. He stated that the mission mainly focuses on the importance of promoting local products. He explained the pillars of self-reliant India mainly focusing on utilization of power demand and supply. He highlighted that the objective of the package was to focus on land, labour, liquidity and laws. Further, he added that it also aims towards cutting down import dependence by focusing on substitution while improving safety compliance and quality of goods to gain global market share. The Mission focuses on the importance of promoting local products. While concluding his session, he focused on industrial pollution toxicity by mentioning about the Namami Gange project implemented under the Ministry for Ganga Rejuvenation covering 11 states. He briefly discussed about the Ganga conservation project.

Mr. Shравan Kumar Kota, Research Officer, SAIARD, Guwahati, Assam addressing the participants.

Ms. Amruta Vasudevan, Executive Committee Member, Gardens Club & Nature Conservation, Kolhapur, Maharashtra conducted the session on 'Encouraging to develop Green Spaces & Parks under AMRUT - 2.0' by highlighting two major aspects i.e. efforts to increase the amenity value of cities & developing greenery and open spaces & parks. She commenced the session with a definition of green spaces by stating that the land is partly or completely covered with grass, trees, shrubs or other vegetation by nature. She said that parks and green spaces play a very important role in human life

Ms. Amruta Vasudevan, Executive Committee Member, Gardens Club & Nature Conservation, Kolhapur, Maharashtra addressing the participants.

and have their benefits mainly to upgrade soil erosion, improve air quality and promote biodiversity. Further she pointed that trees and greeneries are rapidly being destroyed due to massive construction in urban areas. She stated that this component of AMRUT provides an opportunity for developing parks and green spaces in the neighbourhoods with financial assistance. Further she briefly discussed the benefits of green spaces and said that ULBs can implement a special drive to spread ecological awareness among city dwellers to promote and maintain parks and green spaces with the help of CBOs, NGOs, and peoples' participation.

She drew attention of the participants by showing a video on greenery can be developed from our own kitchen, terrace and veranda cluster and at various open spaces at city level. She said that plants and green spaces connect us with nature and bring communities together, reducing stress and traffic pollution. Further she added that plants and green spaces provide protection and enrich the surroundings and motivating recreation as well as attracting tourists.

On the second day, the session on 'Promoting Public Private Partnership (PPP)' was conducted by Mr. Siddhesh Khedekar, Manager, KPMG & Managing Consultant, Urban Development, Government of Maharashtra (GoM). Initially, he gave a brief background of AMRUT phase 1 and further spoke on PPP model introduced under AMRUT - 2.0 and the related provisions by stating that major projects including water supply, tertiary treatment plant with end to end reuse of waste water, selling treated water to industries and other users on the basis of Annuity/Hybrid Annuity/BOT model, etc. can be implemented by adopting the PPP model in million plus cities by utilizing the financial assistance. Further he informed that 10% of the fund of the total project cost of the city water action plans allocation can be incurred through PPP. He explained about the implementation of technology based projects mentioned in AMRUT - 2.0 including SCADA, Solar Power, Solar Energy production can be channelized by ULBs by collaborating with new entrepreneurs. He also spoke on reform agenda introduced for strengthening urban local bodies and water security of the cities by highlighting major reforms including rejuvenation of water bodies, rain water harvesting, reducing Non-Revenue Water (NRW), meeting 40% industrial water demand through recycled used water, dual piping system for bulk users through building bye-laws, unlocking value & improving land use efficiency through proper master planning, improving credit rating & accessing market finance, including issuance of municipal bonds and implementation of online building permission system. He talked on the funding pattern of AMRUT for developing projects under PPP by stating that 30% central and 30% state assistance is admissible and remaining 40% financial assistance is supposed to be released through PPP. He ended his session with a brief discussion on remarkable results achieved by cities by adopting PPP in waste management.

Funds for projects implemented in PPP mode: (1/2)

- For the projects planned for implementation under PPP mode in cities with population above ten lakh, State/ ULB will prepare appropriate financial model and work out viability gap of such projects. Total viability gap for a project shall **not exceed 60% of the project cost**. 50% of the viability gap not exceeding 30% of project cost will be admissible to be funded as CA.
- For such projects, CA worked out as above will be released in *three instalments*.
 - ✓ **First instalment worth 20%** of the admissible CA will be released on approval of DPR and finalization of financial model of PPP project. While claiming first instalment, details of the PPP projects will be submitted online as under:

Name of PPP project	Total cost of project (₹ crore)	Total Viability Gap (VG)		Viability gap to be funded		Brief detail of financial model adopted
		Amount (₹ crore)	VG as % of project cost	By Centre (₹ crore)	By State (₹ crore)	

Mr. Siddhesh Khedekar, Manager, KPMG & Managing Consultant, Urban Development, Government of Maharashtra (GoM) addressing the participants.

The last session on 'Rejuvenation of Urban Transport System' was conducted by Mr. T. C. Benjamin, IAS (Retd.), former Principal Secretary, Urban Development, Government of Maharashtra (GoM). He began his session by mentioning rejuvenation of urban transportation as an important and key component in the context of urban development, for which not only ULBs or state transport departments are responsible but it's a responsibility of every citizen to overcome the challenges faced due to congestion of traffic. He briefly discussed National Urban Transport Policy, 2006 by highlighting its related provisions including promoting public transport and emphasized on promoting the same. He spoke on problems of pollution and congestion in

Problems of Pollution and Congestion

A. Pollution

Pollutant	Idle	Accelerating	Cruising	Decelerating
Hydrocarbons (ml/m ³)	750	400	250	8000
Nox (ml/m ³)	30	3000	2000	40
CO (ml/M ³)	300	20000	15000	400
Unburnt fuel	5%	3%	3%	20%

Mr. T. C. Benjamin, IAS (Retd.), former Principal Secretary, Urban Development, Government of Maharashtra (GoM) addressing the participants.

which he said that homogeneous traffic increases speed of movement and decreases congestion. He also pointed out that the cities across India have heterogeneous traffic that increases the congestion. He added that the solution for heterogeneous traffic can be facilitated under the AMRUT. Further he mentioned that 60% of the population uses public transport, 15% are pedestrians and the remaining are private vehicle owners.

He stressed on facilitation of citizen friendly footpaths and their maintenance for pedestrians. He cited example of roads in which systematic planning was managed by New York City, USA. He suggested the ULBs to adopt segregation of traffic through bypasses and elevated roads. Segregation by type of traffic is done by categorizing cycle tracks, pedestrian ways, elevated footways and expressways. He briefly discussed bus rapid transport, cycle track, street parking including basement, street parking no shop frontage streets. He concluded his session by explaining truck terminals introduced in AMRUT - 2.0 to reduce urban transport related traffic problems to some extent.

Summing-up

After taking the feedback and question & answer session, the training programme was concluded by proposing a Vote of Thanks to the trainers and the participants by Ms. Maleka Ansari, Sr. Research Officer, RCUES of AILSG, Mumbai.

Glimpses of the Web-Based Training Programme

Ganga River Basin – Fact Sheet

- 11 states in the Ganga Basin with 5 on main stem
- Total length of river is 2525 km with longest stretch of 1000 km in Uttar Pradesh
- Catchment area of the basin is 8,61,404 km².

Guidelines by MoHUA for PPP Implementation:

- Public Private Partnership (PPP) projects are mandatory in million plus cities and at least a minimum of 10% of total fund allocation at the city level shall be committed to PPP projects.
- For million plus cities under AMRUT 1.0, guidelines suggest that Tertiary Treatment with end-to-end reuse plan (preferably in PPP mode)
- Projects with focus on selling treated water to industries and other users may be the potential projects for implementing under PPP mode. Such projects can be taken up in Hybrid Annuity Model (HAM) or any other suitable model. Viability gap funding for such projects will be provided through CA. CA will be 50% of the viability gap subject to maximum of 30% of the project cost. Balance viability gap will be borne by State/ULB. Total viability gap will not exceed 60% of project cost.

Passenger Car Unit (PCU)

- Mix of Traffic : Buses, cars, Trucks , Bikes, Cycles , Autos Pedestrians
- Concept of Passenger car unit (PCU)
- Car – 1
- Autorikshaw – 1.5
- Bus/Trucks – 3.5
- Bike – 0.5
- Cycle – 0.2
- Tractor Trailer – 4.0
- Bullock cart – 8.0

Pollution in River Ganga

Issues related to Faecal Coliform

Critically Polluted Stretch in terms B.O.D and Faecal Coliform

Issues related to Faecal Coliform

Sewage management

- 2003 Million Litres sewage generated by 97 towns on the main stem everyday
- 155 Dams discharging in Ganga

Industrial pollution - Toxicity

- 1109 GTs (669 MEI) (CPCB)
- Tanneries, Pulp & Paper, Sugar, Textile & Dying, Distilleries.

Pollution Load (BOD) from tributaries: Ramganga and Kali most critical

Non-point source pollution

Agricultural run-off, open defecations, pines refuse, partially cremated bodies, associated materials, etc.

Regional Specialized Web-Based Training Programme on

Jal Jeevan Mission - Urban

23rd - 24th June 2022

Key Highlight

The participants got acquainted with the technology options available to conserve water through wastewater treatment, water audit and rain water harvesting through technical sessions. They received knowledge of the technologies which they can adapt in their cities effectively.

Background

Jal Jeevan Mission (Urban) is a step towards AatmaNirbhar Bharat with the aim of making the cities 'water secure' and providing functional water tap connections to all households. This will be achieved through circular economy of water by effecting water source conservation, rejuvenation of water bodies and wells, recycle/reuse of treated used water and rainwater harvesting by involving community at large. This Mission will be run as people's program i.e. Jan Aandolan. The Mission also targets to provide 100% sewage/ septage management in 500 AMRUT cities. The Mission has a reform agenda focused towards financial sustainability and water security of Urban Local Bodies (ULBs). Meeting 20% of water demand through recycled water, reducing non-revenue water to less than 20% and rejuvenation of water bodies are major water related reforms with focus on strengthening of ULBs and water security of the cities. Information, Education and Communication (IEC) campaign is proposed to spread awareness among masses about conservation of water. Pey Jal Survekshan will be conducted in cities to ascertain status of equitable distribution of water, reuse of wastewater and mapping of water bodies with respect to quantity and quality of water through a challenge process.

City Water Balance Plans (CWBP) will comprise details of water sources including water bodies, water treatment and distribution infrastructure, area-wise water coverage, status of NRW and sewerage network including STPs etc. Baseline data on household water tap and sewer / septage connections in the cities will be compiled and gaps in service delivery will be worked out at ULB level.

Considering this background, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIIILSG), Mumbai conducted a **Regional Specialized Web-Based Training Programme on 'Jal Jeevan Mission - Urban' on 23rd - 24th June 2022**. This training programme was supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

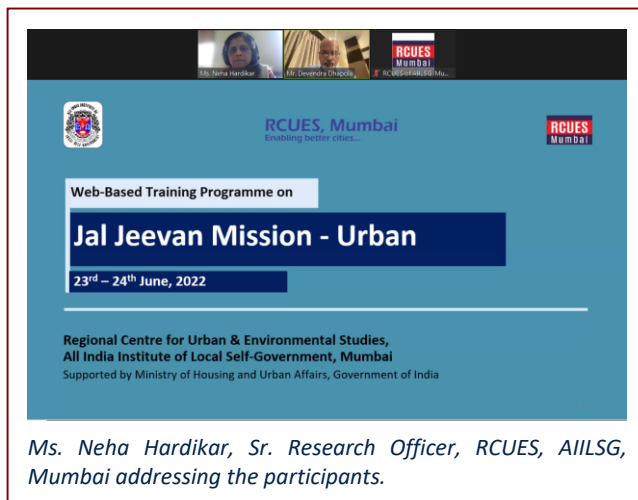
The key objective of this web-based training programme was to encourage ULBs to assess estimated gap in household tap connections and sewer connections to ensure equal distribution of water at city level.

Participation

In all, 53 participants comprising Chief Officers, Municipal Engineers, Municipal Finance Experts, Nodal Officers, Assistant Nodal Officers, Urban Planners, Monitoring & Evaluation Specialist, Urban Infrastructure Experts, MIS/ IT Experts Consultants, Centre In-charge, City Coordinators, from the States of Maharashtra, Gujarat, Assam and Tripura attended this web-based training programme.

Introduction

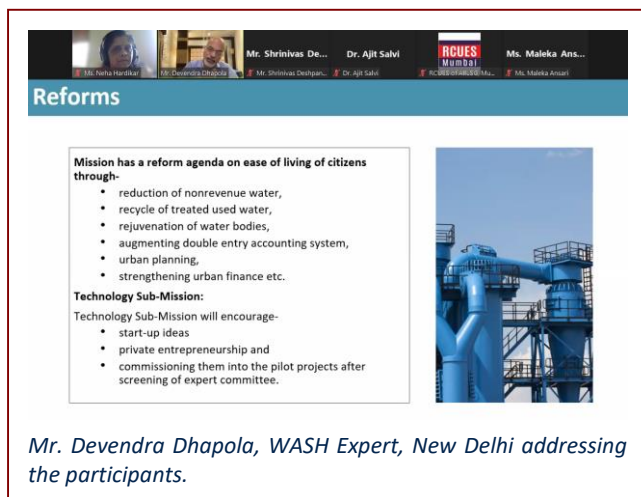
Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai initiated this training programme. She welcomed trainers and participants and gave the introduction of the RCUES. This was followed by speaking on the significance of assessing the estimated gap in household tap connections and sewer connections to ensure equal distribution of water at city level and how ULB's can play a critical role in implementing this mission to ascertain equitable distribution of water, reuse of wastewater and mapping of water bodies. She requested the trainers to initiate their technical sessions.



Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

Technical Sessions

The first session on 'Overview of Jal Jeevan Mission - Urban' was conducted by Mr. Devendra Dhapola, WASH Expert, New Delhi. The session focused on making cities water secure through Jal Jeevan



Mr. Devendra Dhapola, WASH Expert, New Delhi addressing the participants.

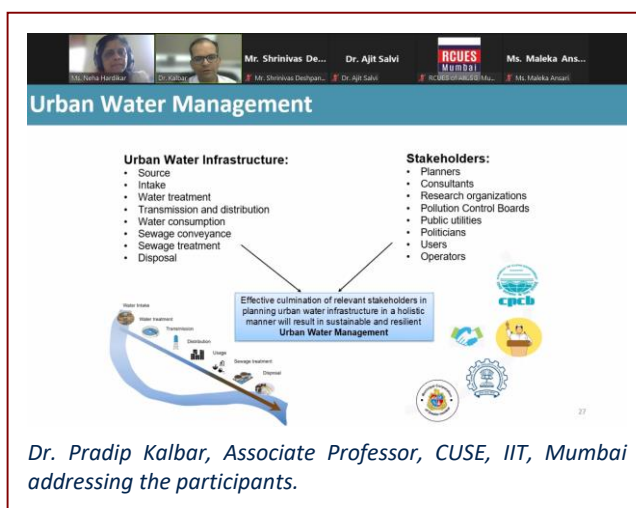
Mission under AMRUT - 2.0. The need for water conservation through rain water harvesting, rejuvenation of water bodies, desalination of sea water and treatment of wastewater was discussed to holistically address issues of water crunches in urban cities. He mentioned that earlier, AMRUT was launched as a first focused National Water Mission in 2015 for 500 cities to facilitate ease of living to citizens. The phase I of AMRUT aimed to provide universal coverage of water supply by providing 1.39 crores household tap connections. Likewise, coverage of sewer / septage connections were planned to increase from 31% to 62%

by providing 1.45 crores connections. So far, 1.12 crores tap connections and 87 lakh sewer connections have been provided. Sewage treatment plants of capacity 1,800 MLD have been created; out of this 907 MLD is being reused. The first phase of AMRUT has made good contribution towards improving quality of life.

He further spoke about the need for launch of AMRUT - 2.0 which is to meet SDG 6 and make all cities water secure. AMRUT - 2.0 is a step towards Aatma Nirbhar Bharat with aim of making the cities 'water secure' and providing functional water tap connections to all households. He spoke on Jan Andolan ensuring community participation. Women SHGs will be involved in water demand management, water quality testing and water infrastructure operations. The Mission will co-opt women and youth for concurrent feedbacks about its progress and efforts will be made to train women to test water quality in all the cities, he added. Furthermore, Mission has a reform agenda focused on financial sustainability and water security of ULBs, where components of meeting 20% of water demand through recycled water, reducing non-revenue water (NRW) to less than 20% and rejuvenation of water bodies were highlighted.

He then emphasized the significance of IEC in which Behaviour Change Communication (BCC) is envisaged as a key strategy for spreading awareness on conservation of water and enhancing water use efficiency among the citizens. It was stated that Public Private Partnership (PPP) projects are mandatory in million plus cities and at least a minimum of 10% of total fund allocation at the city level shall be committed to PPP projects. He discussed about fund allocation and stated that the total indicative outlay for AMRUT - 2.0 is Rs.2,77,000 crores including central share of Rs.76,760 crores for five years from 2021-26. The session was concluded by highlighting on need for effective implementation of the mission in order to procure water conservation through various strategies to make cities water secured.

The next session on 'Advanced Urban Water Management' was conducted by Dr. Pradip Kalbar, Associate Professor, Centre for Urban Science and Engineering (CUSE), Indian Institute of Technology (IIT), Mumbai. The session focused on effective culmination of relevant stakeholders in planning urban water infrastructure in a holistic manner to achieve sustainable and resilient urban water management. Dr. Kalbar discussed the challenges and probable solutions in urban water management by elaborating on the challenges in water supply treatment and transmission and how these challenges would be addressed. Mentioning its challenges he said that the fund allocations by the Government are based on present population, treatment plants are largely centralized, shrinking budgets for public infrastructures, massive cross-basin water transfer to meet water demands of urban areas and leakages are some of the challenges. Furthermore, there are challenges in wastewater collection, treatment and disposal. He mentioned that there is a tendency of cities to dispose of wastewater in the downstream end on account of the facts that incentives for recycling are lacking, centralized systems remain idle for initial years, and energy intensive treatment systems depend on petrol / diesel consumption.



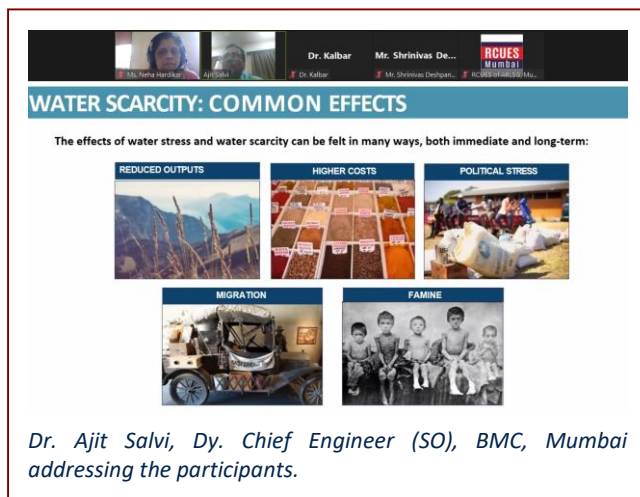
He spoke on sustainability and resilience in urban water management. Discussing the technology criteria he said that criteria should be environmentally viable by reducing GHG emissions, economically affordable, socially acceptable, governing awareness and technically replicable to achieve sustainable urban water management. He further spoke on significance of resilience in urban water management. Citizens' future is driven by climate change making cities water stressed. In urban development, city resilience provides insights into managing chronic stresses or sudden shocks that threaten widespread disruption or collapse of physical or social systems. The water system and stakeholder's ability should be resilient to persist, transform and adapt under any water-related shocks and stresses. The criteria such as adaptability, flexibility and robustness are necessary to make the water system resilient in cities.

Commenting on the present status of water supply in Indian cities he said that most of the water supply schemes are designed to supply water 24x7 continuously to the consumer, though at present, water supply in most of the Indian cities and towns is intermittent. He added while explaining current status of 24X7 water supply dream that the current reality is ignored while promising programmes and missions for 24X7 water supply to cities. The funds are indiscriminately used towards the expansion of the network without an assured source of water supply. Many cities have attempted a

direct conversion to 24x7 water by appointing operators/service providers. No thought is given to consumer psychology, their current consumption, mode of the draw, and overall network behaviour.

Dr. Kalbar emphasized on importance of multiple outlets in water system and explained their benefits which enable sub zoning in water system and peak factor dampening in the distribution reduces additional cost of outlets. Concluding the session he mentioned that the appropriate selection of technology and availability of resources are crucial for achieving sustainability and replication in urban water management.

The next session on 'Water Conservation through Waste Water Management' was conducted by Dr. Ajit Salvi, Dy. Chief Engineer (Sewerage Operations), Brihanmumbai Municipal Corporation (BMC), Mumbai. The session was focused on wastewater management through recycling and reuse to conserve water bodies in cities. Initially Dr. Salvi highlighted the basic facts about water scenario by saying that Earth is a Blue Planet as 70% of Earth is covered with water. Yet only 2.5% of World's water is fresh. By 2025, 48 countries covering 2.8 billion population will be water stressed countries. Roughly 50% average annual rainfall precipitation is received in just 15 days, which is being not used effectively. Furthermore, India is considered as well endowed with water resources with 1000 mm average annual rainfall every year.



He spoke on wastewater and its impact on health and environment. The discharge of wastewater into water bodies causes water borne diseases like cholera, typhoid, diarrhea and hepatitis A & E which have adverse effect human health. Explaining the consequences of water borne diseases he said that around 33 million Indian citizens are affected by water borne diseases annually. Besides, 1.5 million children die of diarrhea. Poor sanitation is the cause of contamination of water resulting into breeding of flies, mosquitoes, vectors and murky surrounding. He discussed the impact of increased urbanization by referring to the CPCB Report

(2021). The increased urbanization has led to the increasing need for water to meet the domestic requirements. Wastewater discharge in the water bodies is also deteriorating its quality due to increased urbanization.

Further, Dr. Salvi explained current scenario of Waste Water Management in Indian cities by stating installed waste water treatment capacity in Metropolitan, Class I and Class II cities. India being an economy in transition from developing to developed country, is confronting challenges such as lack of infrastructure and increasing urban population, which escalates water scarcity and sewage load. He further said that in wastewater management, wastewater is a resource as well as a challenge. This challenge can be addressed through paradigm shift from Waste Management to Resource Recovery.

He further discussed various aspects of wastewater management and stated that diverse management approaches are required considering the type of area, the size and density of the population, level of economic development, technical capacity and system of governance in place. The wastewater management is done through centralized and decentralized system as treated wastewater is considered a reliable source of water. He elucidated the significance of recycled and reuse of wastewater by mentioned various challenges in implementation of recycle & reuse policy. The challenges include maintenance of tertiary treatment facilities, provision and maintenance of distribution network, tariff for fresh and recycled water, public awareness, restriction on reuse of

The next session on 'Solarization of Urban Water Supply for Optimization of Energy Charges' was conducted by Mr. Shrinivas Deshpande, Retd. Joint Director (Engineering), Ground Water Surveys and Development Agency, Water Supply & Sanitation Department (WSSD), Government of Maharashtra. The session laid down the prominence of solar energy in water supply system.

He explained the status of urban water supply energy bills, which are found to be very high. Generally raw water is pumped from a nearby dam/river/lake. This requires very high H.P pumps, which run mostly 20 to 24 hours for pumping raw water to Water Treatment Plants (WTP). Therefore, the energy bill of raw water pumping is very high. ULBs bear huge portion of the budget to pay energy bills of water supplies. Thus, Solarization of urban water supply schemes can optimize energy bills, as India is endowed with vast solar energy potential. It receives 4 -7 kWh per sq. m. per day in many parts of the country. Solar photovoltaic power can effectively be harnessed providing huge scalability in India. He described month wise solar radiation in India.

Mr. Shrinivas Deshpande, Retd. Joint Director (Engineering), Ground Water Surveys and Development Agency, WSSD, Government of Maharashtra addressing the participants.

He explained the proposed 3 MWp floating solar power plant at Ratnagiri, Maharashtra and stated that area required for the 3 MWp solar power plant is 30000 sq. m. (175 X 175 m.). This plant can be installed at Sheel Minar Irrigation Dam as the area required is not available near pumping station. This solar plant will also save evaporation losses. He added that another solar power plant of 210 KWp is proposed at Sawli. This ground based Solar Power System can be installed in the premises of Water Treatment Plant (WTP). These solar power plants will save energy bills and many houses will benefit from generation of solar energy.

He explained the concept of 'solar tree' which he described as a metal structure resembling a tree that has solar panels fitted on the branches. The solar panels connected through metal branches produce solar power. This solar tree has 35 panels each with a capacity of 330 watt. He also explained Grid connected Photovoltaic (PV) system, which is an electricity generating solar PV power system that is connected to the utility grid. This comprises of solar panels, one or several inverters, a power conditioning unit and grid connection equipment.

He then talked on Net Metering. It is a mechanism that allows domestic or commercial users who generate their own electricity using solar panels or photovoltaic systems to export their surplus energy back to the grid. Net Metering is applicable for a solar power system of less than 1 MW. Furthermore, net billing is applicable for a solar power system of more than 1 MW. The benefits of net metering were discussed. It reduces electricity bills, encourages customers to move towards renewable energy, preserves natural energy resources, installation of expensive battery storage system is not needed etc.

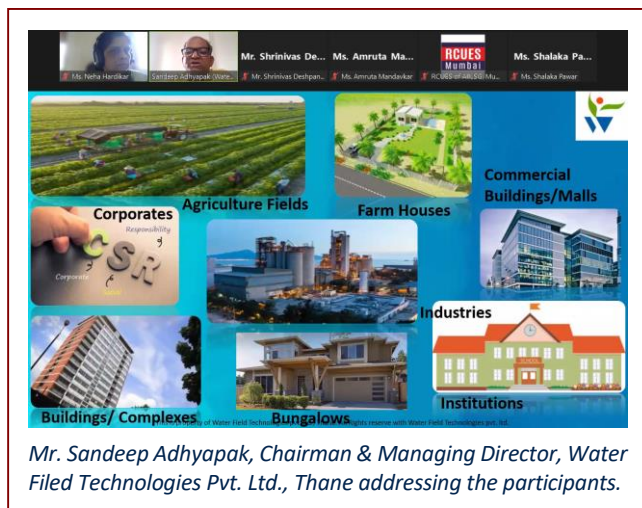
The funding pattern under JJM - U was explained. He said that funding under JJM –U is available under appropriate financial heads, if necessary DPRs are prepared and submitted to the respective governments. All DPRs for solarization are found to be cost-effective. It is observed that the capital cost of Solar Power plants installed for Urban Water Supply can be recovered within 5 to 6 years and Life cycle of solar power plants is 25 years. The session was concluded by depicting the pictures of solar power plant commissioned at Vishakhapatnam and Tripura.

The last session on 'Rain Water Harvesting and Ground Water Management' was conducted by Mr. Sandeep Adhyapak, Chairman & Managing Director, Water Filed Technologies Pvt. Ltd., Thane.

The session highlighted on inevitability of Rain Water Harvesting (RWH) in cities during rainy season as rain as water is an elixir of life. Mr. Adhyapak said that emergent urbanization has raised the demand of water radically. Indiscriminate use of water in Industry is causing depletion in ground water table everywhere across the country. The National Action Plan on Climate Change (NAPCC) describes the features of National Water Mission. National Water Mission is designed to ensure integrated water resource management helping to conserve water, minimize wastage and ensure more equitable distribution, both across and within states. It will seek to ensure that a considerable share of the water needs of urban areas are met through recycling of wastewater, and ensuring that the water requirements of coastal cities with inadequate alternative sources of water are met through adoption of new and appropriate technologies such as low temperature desalination technologies that allow for the use of ocean water. He added that the rain being a prime source of the water on the earth, RWH proves to be the most effective and sustainable solutions to manage the water needs independently throughout the year.

The importance of RWH was discussed by saying that it is imperative to make conscious efforts to collect, store and utilize the rainwater in order to meet water requirements for domestic, industrial and agricultural purposes. RWH fulfills increasing demand for water, augments groundwater storage and arrests decline of water levels, improves the quality of groundwater, reduces the soil erosion, reduces the runoff which blocks storm drains, and avoids flooding of roads etc.

He then explained current water scenario at national level. Over the last few decades, India has witnessed a rapid increase in the urban population and pointed out that 50% of the population in India will be living in urban centers by the year 2050. The emergent population invariably exerts tremendous pressure on the existing natural resources. An effective water management system is designed to fulfill secondary water demands by collecting rainwater and keeping groundwater sources sustainable. He described that RWH, the primary filtration is sufficient to use rain water for secondary purpose and add to groundwater recharge.



In Surface Run-off RWH method, rainwater is collected from large surface areas by using storm water channels. In this method, primary and secondary filtration is required to use rain water for secondary purpose and add to groundwater recharge. He further elucidated the components of RWH. They are collection, channelization, primary filtration, storage, distribution, secondary filtration and recharging.

RWH is highly beneficial as it has low maintenance cost and improves ground water levels and quality. RWH is environmental a friendly tool which mitigates the effects of drought. It is also one of the flood control measures which reduces runoff and soil erosion. RWH is effectively reducing water and electricity bills.

He spoke on legal provisions in RWH across the country by explaining legislations of New Delhi, Kerala, Gujarat, Maharashtra, Rajasthan and Madhya Pradesh where RWH is made mandatory to erect new buildings. As per the Urban Development Notice issued on 10 March 2005, Government has decided to take effective measures for collection of rainwater from rooftops, paved / unpaved surfaces, etc. and to use it either for recharging ground water or storing it in storage tanks. For pursuing this, it has been decided that henceforth no building permissions be granted unless provision is made for RWH scheme. It is therefore, necessary to include RWH scheme provision in the development control rules and for that purpose, direction to all the planning authorities, development authorities / special

planning authorities (excluding BMC) are given under section 37 of the Act. All planning authorities / development authorities are required to initiate necessary modification proposal under section 37 of the Maharashtra Regional and Town Planning Act, 1996. As for the existing development control regulations it is necessary to incorporate special provisions for installation of RWH schemes and submit the same to government for approval. He ended the session by depicting pictures of RWH system set up at various places in order to explain its implementation process.

Summing-up

This web-based training programme was concluded by Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai by proposing a Vote of Thanks to the subject trainers/experts and the participants after the feedback session.

Glimpses of the Web-Based Training Programme

The collage consists of four screenshots from a web-based training program:

- Top-left:** A slide titled "Results of Water Audit for 38 Towns" showing a bar chart of "Percent Losses %" for various towns. The chart is divided into categories: Reservoir & Distribution loss, WTP loss, Transmission loss, Unauthorised consumption/ Metering inaccuracy, Unbilled Authorised Consumption, Gross Water Received by Consumer MLD, and Gross Water Lost MLD.
- Top-right:** A slide titled "Real Losses" showing images of water leaking from pipes and a water tap.
- Bottom-left:** A screenshot of a Google Earth map showing a water treatment plant area. Labels include "15 MLD Sahaj Stop Water Treatment Plant, WTP, Pumps: 40 HP - 1 Nos + 1 Stand by, Operating hours - 20 Hrs, Yearly Energy Bill - Rs 20 Lakh" and "Raw Water Pumping from Sheel Miner Dam, Pumps: 250 HP - 3 Nos + 1 Stand by, Operating hours - 24 Hrs, Yearly Energy Bill - Rs 2.50 Cr".
- Bottom-right:** A slide titled "COMPONENTS OF RWH" showing a diagram of a water drop character and a list of components: 1. COLLECTION, 2. CHANNELISATION, 3. PRIMARY FILTRATION, 4. STORAGE, 5. DISTRIBUTION, 6. SECONDARY FILTRATION, and 7. RECHARGING.

Regional Specialized Web-Based Training Programme on

National Urban Livelihoods Mission (NULM)

29th - 30th June 2022

Key Highlight

In this web-based training programme, the participants were acquainted and updated on the needed measures to address the challenges in implementation of NULM Mission. The participants can replicate the practices of the success stories in their cities for effective implementation of NULM for promoting sustainable livelihood opportunities.

Background

National Urban Livelihoods Mission (NULM) was launched by the then Ministry of Housing and Urban Poverty Alleviation (MoHUPA), Government of India (GoI) in 2013. The mission focuses on organizing urban poor in their strong grassroots level institutions, creating opportunities for skill development leading to market-based employment and helping them to set up self-employment ventures by availing of easy access to credit. The COVID-19 outbreak affected all the segments of the population and has been particularly detrimental to members of social groups in the most vulnerable situations. It continues to affect vulnerable communities including street vendors, homeless population. Under the Mission, provision is made to provide shelter equipped with essential services to the urban homeless in a phased manner. In addition, the implementation of NULM also addresses livelihood concerns of the urban street vendors by facilitating access to suitable spaces, institutional credit, social security and skills for accessing emerging market opportunities. Supporting urban local bodies (ULBs) and other stakeholders is necessary for achieving appreciable and sustainable improvement through effective implementation and development of mission mode strategies of NULM.

Considering this background, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai organized a **Regional Specialized Web Based Training Programme on 'National Urban Livelihoods Mission (NULM) on 29th - 30th June 2022**. This training programme was supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

The key objective of this web-based training programme was to encourage the ULBs and other stakeholders in effective implementation of NULM for sustainable livelihood opportunities.

Participation

In all, 79 participants comprising City Mission Managers, City Project Managers, Assistant Project Officers, Community Organizers, Representatives of NGOs, Representatives of Self-Help Groups (SHGs) and concerned Officials of NULM Department from the States of Maharashtra, Gujarat, Rajasthan, Assam and Tripura attended this training programme.

Introduction

The web-based training was commenced by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai by welcoming the distinguished trainers and the participants. She explained the objectives of the training programme and started the introductory session by stating that DAY-NULM is a Government of India's flagship program to address the incidence of poverty among the urban poor. She added that NULM was launched on 23rd September, 2013 by replacing the then existing Swarna Jayanti Shahari Rozgar Yojana (SJSRY). The Mission strives to reduce poverty and vulnerability of the urban poor households by enabling them access to gainful self-employment and skilled wage employment opportunities, resulting in an appreciable improvement in their livelihoods on a sustainable basis, through building strong grassroots level institutions of the poor.



Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

Further she discussed the component of providing shelters equipped with essential services to the urban homeless in a phased manner. In addition, the program also addresses livelihood concerns of the urban street vendors by facilitating access to suitable spaces, institutional credit, social security, and skills to the urban street vendors for accessing emerging market opportunities. The Employment through Skill Training & Placement (EST & P) Component under DAY-NULM is designed to provide skills to the unskilled urban poor as well as to upgrade their existing skills. The programme will provide for skill training of the urban poor to enable them setting up self-employment ventures.

Technical Sessions



Mr. Rohidas Dorkulkar, Deputy Commissioner, DAY – NULM, Directorate of Municipal Administration, Government of Maharashtra, Mumbai addressing the participants.

Mr. Rohidas Dorkulkar, Deputy Commissioner, DAY - NULM, Directorate of Municipal Administration, Government of Maharashtra delivered a session on 'Overview of NULM and its Effective Implementation in Maharashtra State'. He commenced the session with a brief revision of the components of NULM and its related provisions implemented in various cities of Maharashtra state. He stressed on the livelihood component of the mission by stating that the key aim of the mission is to generate livelihood opportunities through self and skilled wage employment for urban economically weaker sections and vulnerable groups through building strong grassroots level institutions. He discussed the issues and

challenges faced by functionaries of various towns of Maharashtra state in implementing NULM particularly the livelihood components including disbursement of loan on account of poor response from banks, COVID-19 and its negative impact on the activities under EST & P, negative effects on regular repayment of SHG loan and irregular monthly saving of SHG.

Further he spoke on the post pandemic approach implemented for smooth operation of the other components of the mission including SVANidhi se Samruddhi scheme for street vendors, PM SVANidhi scheme for street vendors and Pradhan Mantri Formalization of Micro food processing Enterprises (PMFME) scheme run for SHGs to provide capital subsidy to those who are running food based micro enterprises etc. Further, special projects to address livelihood issues of most vulnerable sections like physically-challenged, rag pickers, domestic workers, rickshaw pullers, sanitation workers and other such vulnerable groups were discussed by citing case studies of selected towns of Maharashtra State.

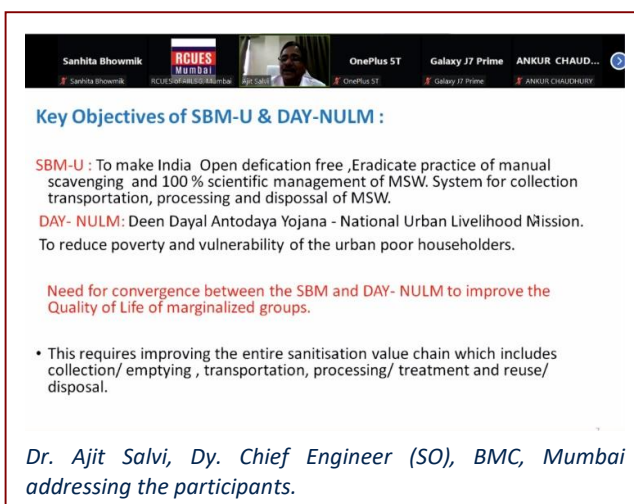
At the end of the session, he expressed his gratitude to the Government of India for introducing such a welfare mission for strengthening the grassroot of vulnerable strata of the society.

Dr. Ajit Salvi, Dy. Chief Engineer (Sewerage Operations), Brihanmumbai Municipal Corporation (BMC), Mumbai discussed the component of 'Convergence of Swachh Bharat Mission (SBM) and NULM for Sustainable Livelihood Opportunity'. He talked on sanitation problems of the cities and stated that among all sanitation related work, urban waste and its management is one of the complex problems faced in almost all the Indian cities. He stated that maintaining sanitation management including waste water, solid waste and other sanitation related activities are the prime responsibility of concerned ULBs and ULBs are making efforts to discharge the responsibility satisfactorily. He said that sanitation is important as a key component of SBM which was introduced by the Government of India in October, 2014 and revised phase (2) of SBM in October, 2022.

He said that DAY-NULM, lays emphasis on empowering marginalized groups through convergence between SBM (U) and NULM. In his presentation he further said that convergence is essential to strengthen and sustain community engagement platforms for ULBs in India in order to deliver sanitation services, and enhance opportunities for employment and enterprise development in the sanitation sector. Considering its importance, BMC provided livelihood measures by enhancing sanitation and waste management based livelihood opportunities through financial inclusion. He also mentioned that livelihood opportunities are created in decentralized solid waste management based on segregation at source, by setting up dry waste/ resource segregation centers which help in creating livelihood opportunities through service contracts by ULBs, as basic cleaning services provided by SHGs on behalf of ULB.

He briefly explained how SHGs were involved in effective implementation of these projects for successful convergence of SBM - faecal sludge and septage management (FSSM), desludging of on-site sanitation system by SHG members, enhancing sanitation and waste management based livelihood opportunities through financial inclusion, As also livelihood opportunities are generated in decentralized solid waste management based on segregation at source, setting up dry waste / resource segregation centers, livelihood opportunities through service contracts by ULB, basic cleaning services provided by SHGs on behalf of ULBs. He concluded the session by stating that convergence of SBM-U and NULM is a good source for generating livelihood opportunities for the urban poor.

On the second day, Mr. Man Mohan Sharma, State Mission Manager, Social Mobilization and Institution Development (SMID), NULM, Rajasthan shared his experience on 'Implementation of Good Practices under NULM' with special focus on 'Status of Street Vendors under NULM'. He commenced



Sanhita Bhowmik RCUES Mumbai OnePlus 5T Galaxy J7 Prime ANKUR CHAUD...
Sanhita Bhowmik RCUES Mumbai Ajit Salvi OnePlus 5T Galaxy J7 Prime ANKUR CHAUDHARI

Key Objectives of SBM-U & DAY-NULM :

SBM-U : To make India Open defecation free ,Eradicate practice of manual scavenging and 100 % scientific management of MSW. System for collection transportation, processing and disposal of MSW.

DAY- NULM: Deen Dayal Antodaya Yojana - National Urban Livelihood Mission. To reduce poverty and vulnerability of the urban poor householders.

Need for convergence between the SBM and DAY- NULM to improve the Quality of Life of marginalized groups.

- This requires improving the entire sanitisation value chain which includes collection/ emptying , transportation, processing/ treatment and reuse/ disposal.

Dr. Ajit Salvi, Dy. Chief Engineer (SO), BMC, Mumbai addressing the participants.

his session with a brief introduction of all five components of NULM implemented in Rajasthan State including issues and challenges faced by the cities.

He explained the role of Area Level Federation (ALF) and City Level Federation (CLF) and stated that social mobilization and institutional development is the central objective of the mission. While elaborating on City Livelihood Centres (CLC), he informed the participants that totally 20 CLC were formed in various cities of the State in which Jaipur CLC is declared as model CLC having Rs. 6 crores annual turnover. Further he added that 8 other states of the country adopted it as a model CLC for operation and maintenance of CLC in their States. Further in his session he laid emphasis on the component of shelter for urban homeless by adding that total 222 shelters are operating well out of 255 shelter homes in Rajasthan State.

He presented an overview of street vendor's component by mentioning that though NULM can be regarded as a boon to the street vendors but its efficacy depends on how efficiently and honestly the

ULBs and the organizations which are chosen for carrying out the survey and issuing identity cards to street vendors under the implementation of NULM. He also explained the work completed by various cities by completion of vendor's survey, identified vending zones, distributing identity cards etc. He spoke about how NULM officials helped street vendors to avail benefit of loan through PM Street Vendor's AtmaNirbhar Nidhi (PM SVANidhi). At the end, he quoted several good initiatives undertaken across the State for livelihood generation through SHGs with support from ULBs and other stakeholders during the pandemic.

Mr. Man Mohan Sharma, State Mission Manager, SMID NULM, Rajasthan addressing the participants.

In the next session, Mr. Abdur Mukit Bin Rouf, State Project Manager (S&SI) and PM SVANidhi, Assam State Urban Livelihoods Mission Society (ASULMS), discussed 'Generating New Livelihood Opportunities through Implementing Innovative and Special Projects at Local Level'. He briefly explained strategies for livelihoods and financial inclusion implemented by various cities of Assam State. He began his session by mentioning that the DAY-NULM is a mission implemented by MoHUA, which aims to reduce poverty and vulnerability of the urban poor households which is in coherence with Sustainable Development Goal 1.1. Further he stated that women empowerment is expected through creating various income generating activities, promoting skills and financial inclusion. He added that the mobilization of urban poor households to form their own institutions is an important investment for an effective and sustainable poverty reduction Programme.

He highlighted that DAY-NULM was implemented in the State of Assam from the year 2015-16 with a coverage of 25 district headquarters towns, and in the present situation the mission is actively implemented in 97 cities including Guwahati city. He cited several best practices under NULM components. Further he informed that the

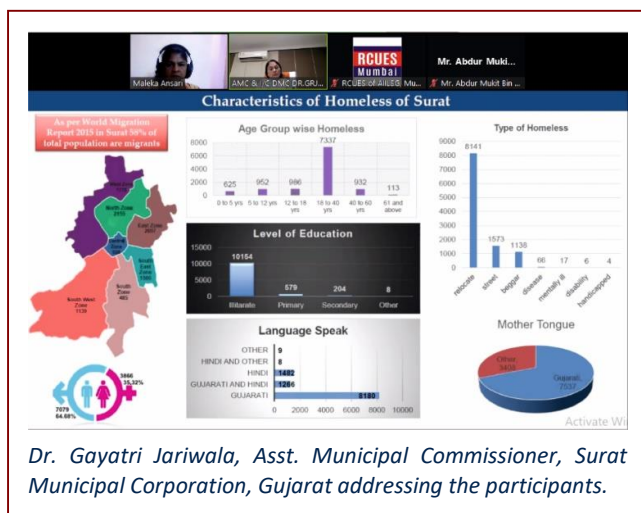
Mr. Abdur Mukit Bin Rouf, State Project Manager (S & SI) and PM SVANidhi, Assam State Urban Livelihoods Mission Society (ASULMS) addressing the participants.

Interest subvention is paid through PAISA Portal for both SEP-I & G and SHG Bank Linkage. While elaborating about the loans disbursement for encouraging micro enterprises he said that Assam state is positioned 1st rank in hilly and north east by crossing the target ratio. He added that the ALF of Assam State under NULM were awarded the Swachhata Excellence Award by MoHUA, Government of India in 2016-17 and 2018-19.

While concluding the session, he discussed the activities conducted during pandemic by including mask making projects. Besides, 492 SHGs distributed essential commodities among 28,255 most vulnerable families in different towns and 10,000 face shields have been produced and sold by SHGs across Assam state.

The last session on 'Implementation of Good Practices under NULM' with special focus on 'Shelter Schemes Implemented for Homeless' was conducted by Dr. Gayatri Jariwala, Asst. Municipal Commissioner, Surat Municipal Corporation (SMC), Gujarat. She commenced the session with a brief introduction of the city by describing it as the fastest growing urban centre with flourishing diamond and textile markets and fastest growing construction industries. She also briefed about the migrated labourers from surrounding areas and other cities in search of livelihoods staying in vulnerable conditions in absence of proper shelter and lack of basic necessities of life, especially those living on the street i.e., homeless persons.

Further she said that at the initial stage, a survey of the homeless was completed under NULM in 2019 in which 10000 homeless persons were identified. According to a survey, 7000 homeless were identified in the age group of 18 to 40 years. With the help of NGOs and CSR fund's SMC implemented a shelter project under NULM for urban homeless in the name of Apna Ghar or Rain Basera providing all basic necessities including temporary / night shelter, food facilities and medical assistance. Beside this, recreation, Wi-Fi and CCTV surveillance facilities were also arranged for the homeless. She talked about rescue operations, night team monitoring in the city to identify homeless people and added that various need based skill trainings are continuously organized for the homeless with a provision of loan to start micro enterprises after completion of skill training.



She further added that the purpose behind the implementation of shelter for urban homeless was rehabilitation of urban poor, making them self-sufficient and connecting them with various schemes. She explained the Samvedana-Khushiyono Pitro project, implemented in the shelter homes which aims to help underprivileged homeless children and others in enjoying festivals in shelter homes. Under this project, SMC has set up 115 collection centres at various places across the city to collect clothes, toys, sweets and other food items from citizens. She added about other activities organized in shelter homes including old age cataract

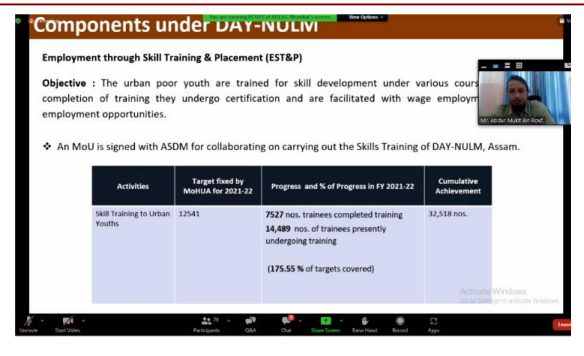
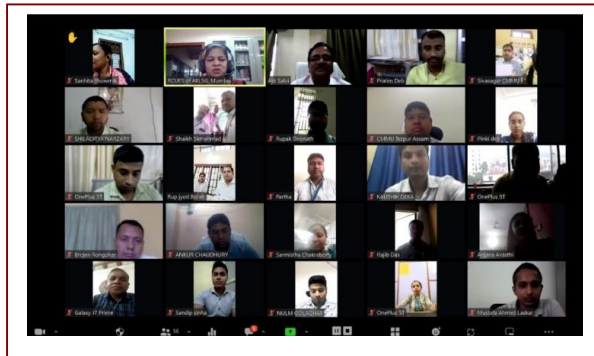
operation, COVID vaccination and precaution dose, birthday celebrations of city dwellers, school admissions, making Aadhar card for them, etc. TATA trust, UNICEF-WASH collaborated with SMC to organize welfare activities for urban homeless.

She concluded her session by saying that SMC is making efforts to arrange a CSR fund to run the shelter if NULM closes down after some period of time.

Summing-up

After taking the feedback and Question & Answer session, the training programme was concluded by proposing a Vote of Thanks to the trainers and the participants by Ms. Maleka Ansari, Sr. Research Officer, RCUES of AILSG, Mumbai.

Glimpses of the Web-Based Training Programme



Regional Specialized Web-Based Training Programme on

Solid and Liquid Waste Management in Urban Areas

07th - 08th July 2022

Key Highlight

The participants learnt significance of used water and faecal sludge management under SBM-U 2.0. The participants also learnt selection of used water treatment technologies for effective implementation of liquid waste management.

Background

Solid Waste Management (SWM) has emerged as one of the most massive development challenges in urban India. Numerous studies indicate that the unsafe disposal of waste generates dangerous gases and leachates, due to microbial decomposition, climate conditions, refuse characteristics and land-filling operations. According to the 12th Schedule of the 74th Constitutional Amendment Act of 1992, Urban Local Bodies (ULBs) are responsible for keeping cities and towns clean. However, most ULBs lack adequate infrastructure and face various strategic and institutional weaknesses, such as poor institutional capacity, financial constraints etc. While many ULBs do receive government assistance, almost all of them continue to be financially fragile. India has already exhausted all available landfill sites, and the concerned ULBs do not have resources to acquire new land.

Various legislations have been passed for regulating the manner of waste disposal. The Ministry of Environment, Forest and Climate Change (MoEFCC) and the Ministry of Housing and Urban Affairs (MoHUA), Government of India (GoI) have together rolled out policies and programmes to address these issues. However, most of these have failed to achieve their objectives due to lack of clarity and awareness amongst the stakeholders, and poor enforcement by the implementers. Swachh Bharat Mission - Urban 2.0 focused on garbage free and water secure cities. The effective implementation of SBM-U 2.0 will support to manage solid and liquid waste as per prescribed norms of new Solid Waste Management Rules, 2016 notified by the Ministry of Environment and Forests (MoEF), GoI which is an imperative for building sustainable and liveable cities.

Considering this, a Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIIISG), Mumbai conducted a **Regional Specialized Web-Based Training Programme on 'Solid and Liquid Waste Management in Urban Areas' on 07th - 08th July 2022**. This training programme was supported by the MoHUA, GoI.

Key Objective

The key objective of this web-based training programme was to discuss the issues and adopt innovative measures at ULB level in management of solid and liquid waste to ensure safe and hygienic environment at city level.

Participation

In all, 40 participants comprising Hon'ble Mayors, Elected Representatives, Chief Officers, Municipal Engineers, Dy. Chief Executive Officers, SWM Experts, LWM Experts, SBM Coordinators, City Coordinators, MIS & IT Experts, Fire Officers, Supervisors of SBM, Sanitary Inspectors and concerned

staff from the states of Maharashtra, Gujarat, Goa, Assam and Tripura attended this training programme.

Introduction

Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai initiated this training programme. She welcomed trainers and participants. The background of the institute and its functioning was described. She explained the significance of assessing the estimated gap in household tap connections and sewer connections to ensure equal distribution of water at city level and how ULBs can play a critical role in implementing SBM-U 2.0 to ascertain equitable distribution of water, reuse of wastewater and mapping of water bodies. Further, she requested the trainers to initiate their technical sessions.



Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

Technical Sessions

Sanitation Facility	Funding Amount
1 toilet seat for PT/CT	Rs. 1.5 lakh per seat
1 toilet seat for aspirational PT/CT	Rs. 2.5 lakh per seat
1 urinal seat	Rs. 0.32 lakh per seat

Ms. Hetal Sorathia, Manager (Projects), SBM Urban Mission Director Office, Ahmedabad, Gujarat addressing the participants.

The first session on 'Overview of Swachh Bharat Mission – Urban 2.0 was conducted by Ms. Hetal Sorathia, Manager (Projects), SBM Urban Mission Director Office, Ahmedabad, Gujarat. The session was initiated by emphasizing on achievement in phase - I of SBM-U, especially in the state of Gujarat. She said that in Swachh Survekshan (SS) 2021, Surat, Ahmedabad, Vadodara and Rajkot cities (with more than 10, 00,000 population) ranked 2, 8, 10 and 11 respectively. She explained the overview of the guidelines of SBM-U by providing the key information about the mission by stating its objectives, expected outcomes, funding outlay etc.

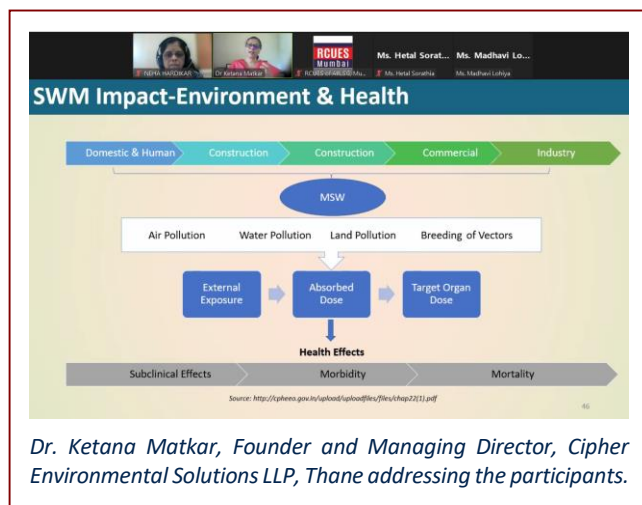
In her talk, while explaining the mission strategy, she focused on Jan Andolan– Citizen's engagement to promote ownership of 'Swachhata' by bringing them to the center stage of the mission, especially women Self Help Groups (SHGs) to be mobilized for community level facilitation by focusing on behaviour change. Further she explained funding allocation under SBM-U 2.0, where funds are allocated for project implementation, IEC activities, capacity building and committed liabilities carried over from phase one of SBM-U. She highlighted that funding allocated for Used Water Management is double the funding allocated for Solid Waste Management (SWM). Strengthening of e-learning, adoption of new technologies, start-ups and business models, focus on skill development in sanitation and waste management sector are significant components in capacity building, she added. Besides, robust ICT enabled governance is considered as one of the guiding principle to enable real-time monitoring of assets. She further said that in order to participate in SBM-U 2.0, entry conditions would need to be mandatorily fulfilled by States/ UTs and ULBs such as aligning property tax floor rates with market rates, with periodic revisions in line with GSDP, as recommended by 15th Finance Commission, levy and collection of user charges for services provided, to recover operational costs, with periodic

increase and, adoption of Public Financial Management System (PFMS) by all ULBs to receive funds from SBM-U 2.0, in which all transactions are made through Direct Benefit Transfer (DBT) and/or Expenditure-Advance-Transfer (EAT) modules. The notification of property tax floor rate by States/UTs along with its adoption by ULBs and notification of user charges to recover a component of operational cost will be made mandatory conditions for Central Assistance. The States/UTs will have to implement them in first two years from launch of continuation Mission to be eligible for Central assistance from third year onwards. She discussed about mission management structure at national, state, district and ULB level.

She then spoke on sustainable sanitation practices implemented through used water management by ensuring that no untreated fecal sludge or used water is discharged into the environment, and all used water (including sewerage and septage, grey water and black water) is safely contained, transported and treated, along with maximum reuse of treated used water, in all cities with less than 1 lakh population. The components would be eligible for funding are (i) desludging equipment, for scheduled and need-based desludging of all septic tanks, (ii) interception and diversion of drains (I&D) (including last mile connectivity for nearest sewer network), (iii) construction of Sewage Treatment Plants (STPs)/ STP cum Faecal Sludge Treatment Plants (FSTPs) for used water treatment. The Central Government does not provide funds for cost of setting up primary collection & transportation (C&T) systems, including modernization of existing systems, which is one of the components under SBM-U 2.0, she added.

She spoke on IT-enabled applications for implementation under SBM-U 2.0 in which dashboard and analytics platform, e-learning platform and other digital initiatives were explained. She concluded her session by giving emphasis on Information, Education and Communication (IEC) and Behaviour Change Communication (BCC) strategies in mission implementation.

The next session on 'Sustainable Solid Waste Management' was conducted by Dr. Ketna Matkar, Founder and Managing Director, Cipher Environmental Solutions LLP, Thane. She initiated the session by depicting the picture of piling the waste and described SWM statistic across India to realize the intensity of the waste management issue. NITI Aayog Report states that 1,30,000 to 1,50,000 metric tons (MT) of MSW generate per day. This adds up to roughly 50 million MT per year. This will hike to 125 million MT per year by 2031. The need of Solid Waste Management (SWM) was discussed to reduce the impact on health, environment, climate and economy. A study by the US Public Health Service has demonstrated the relationship of 22 human diseases to improper SMW. While explaining the impact on economy, she said that in India, annual per capita cost of municipal solid waste management ranges from Rs.204/- to Rs.900/- for capital investment and from Rs.113/- to Rs.269/- for operation and maintenance. She highlighted the emphasis of sustainable SWM as it aims to keep materials in use for as long as possible and minimize the amount of solid waste that is disposed of in a landfill or through incineration. She added that current waste management practices are not sustainable due to poor disposal practices, toxic, hazardous, infectious waste, poor institutional integration and lack of accountability for waste producers. The cities need to adopt Garbage Free as well as Zero Waste Concept to achieve sustainability.



The Circular Economy Model was explained where waste category and revenue generated per annum was elucidated. As per SBM 2.0 - Operational Guidelines, October 2021, the progress of first phase of SBM-U was discussed, where door to door waste collection was increased to 97% and source segregation increased to 85% in 2021. The need for SBM-U 2.0 persists for continued investment in Individual Household Latrines (IHHLs) & Community Toilets (CT)/Public Toilets (PTs), for focusing on entire sanitation value chain, for managing different types of solid wastes and budgetary support for disposal of legacy waste, management of plastic waste and C&D waste.

She explained the objective of Garbage Free City which can be achieved by ensuring cleanliness and hygiene in public places to make all cities clean and garbage free (with 100% scientific processing of MSW) and by reducing air pollution arising out of SWM activities.

She later spoke on challenges in wet waste management. The unfitting source segregation, inadequate infrastructure, non-compliance of SWM Rules 2016 and inadequate awareness regarding compost policy and market development assistance by Government of India (GoI) are the challenges in wet waste management, she added. Few recommendations against identified gaps are given and duly categorized as National level, State / UT level and ULB level, along with the relevant stakeholders, and further categorized as: a) regulations, and b) enablers. Further, actionable points as recommendations for addressing the challenges of managing dry waste was elucidated.

She later said that sustainable waste management reduces material and energy wastage, protect environmental quality, minimizes impact of disposal, eliminates or treat toxic, hazardous, and infectious wastes, improve institutional integration and increases accountability. The session was concluded by citing several best practices in source segregation, biodegradable waste management, material processing, plastic waste management, C&D waste management, sanitary waste management, landfills and e-waste across the country.

The next session on 'Plastic Waste Management (PWM)' was delivered by Ms. Madhavi Patel, Project Officer, SBM Urban Mission Director Office, Ahmedabad, Gujarat. The session initiated by highlighting the plastic as one of the major causes of the environmental pollution. It has become extremely essential to ban plastic bags before it adversely impacted on environment in cities. She further added that plastic is petroleum product made-up of long chain of Hydrocarbons. They are non-biodegradable remains on Earth for several years. As per PWM Rules, 2016, plastic is a material which contains as an essential ingredient a high polymer of ethylene, polypropylene, styrene, Vinyl, etc.

Ms. Madhavi Patel, Project Officer, SBM Urban Mission Director Office, Ahmedabad, Gujarat addressing the participants.

She talked about plastic waste generation, highlighting that quantity of PW generation is doubled in last 5 years. Further, littering of plastic waste and its impact was discussed. The pictures cited plastic waste pollution in river, animal kills, soil and landscape degradation, and open burning of plastic due to littering of plastic waste. She added that burning of plastic waste releases toxic gases cause diseases, plastic waste dumping contaminate soil and water, cows die due to ingestion of plastic waste, littered plastic waste give dreadful look and choke the drains.

Government of India Notified Plastic Waste Management (PWM) Rules dated 18th March 2016 and notified on Single Use Plastic (SUP) by Ministry of Environment, Forest and Climate Change (MoEFCC) on 12th August 2021. These notifications unveiled responsibilities of ULBs. She stated that ULBs should ensure segregation of plastic waste at source, channelization of recyclable plastic waste fraction to

recyclers, processing and disposal on non-recyclable plastic waste as per the guidelines issued by the Central Pollution Control Board (CPCB), conducting awareness programme for PWM, set-up for plastic waste management frame bye-laws incorporating the provisions of these rules. The responsibility of waste generator was also discussed. The key responsibility of plastic waste generator is to minimize plastic waste generation and segregation at source and ensure segregated storage of waste at source.

The issues and challenges in PWM was discussed. The plastic waste is littered in public places, bus stations, railway tracks, dust bins and along road sides of towns/ cities etc. Besides the littering issue, plastic waste emits toxic gases after burning, which adversely impacts environment. Non-recyclable plastic wastes such as multi-layered, metalized pouches and other thermos set plastic poses disposal problems. Moreover, unregistered plastic waste recycling industries operating in non-conforming areas (Residential) are posing threat to environment due to erroneous recycling practices. She further added that plastic waste shall be recycled as IS 14534: 2016 and shall be utilized in road construction, energy recovery (including co-processing in Cement kilns), waste to oil, etc. as amended 2018 under Rule 5 of Plastic Waste Management (PWM) Rules.

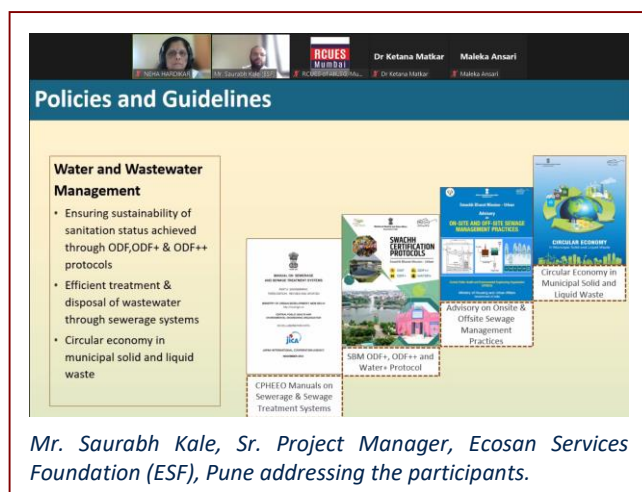
The session was concluded by mentioning that open burning of plastic waste must be strictly prohibited and encouraging awareness programmes for avoiding use of less than 75 micron carry bags, which will benefit to save the environment.

The session on 'Swachh Bharat Mission-Urban 2.0 : Mission and Programmes' was conducted by Mr. Saurabh Kale, Sr. Project Manager, Ecosan Services Foundation (ESF), Pune. The session focused on understanding the guidelines of SBM-Urban 2.0 and the checklist for the preparation of City Wastewater Infrastructure Status. He said that wastewater management and faecal sludge management were not included under Phase-I of SBM-U. He highlighted that wastewater management projects to be taken up on priority as per mandate by Supreme Court and National Green Tribunal (NGT). There is a provision for heavy penalty for non-compliance of these mandates by ULBs, he added.

The objectives of wastewater management (WWM) under SBM-U 2.0 were explained by mentioning that all statutory towns (with population less than 1 lakh) are expected to achieve ODF++ status and at least 50% of cities (less than 1 lakh population) are expected to achieve Water+ status.

He discussed proposed strategy of wastewater management. Later, he elucidated upon components such as Sewage Treatment Plant cum FSTP, Interception and Diversion (I & D) Infrastructure, pumping stations, gravity & forced mains, Faecal Sludge Management (FSM) infrastructure, desludging trucks and solid liquid separation units were covered for funding under SBM-U 2.0. He added that components such as sewer network, strengthening of existing on-site systems such as septic tanks/soak pit etc., strengthening municipal drainage system to convey sewage to STP were not covered for funding under SMB-U 2.0.

Furthermore, proposed approach for WWM was explained by focusing on preparation of City Sanitation Action Plan (CSAP) & gap analysis, Integrated DPR preparation, DPR for sewer network for CSZ, DPR Appraisal/ Approval and fund release in instalments. Further, he spoke on importance of CSAP and its prerequisite in developing this plan to understand overall sanitation scenario. He also discussed policies and guidelines of wastewater management and also mentioned that in Swachh

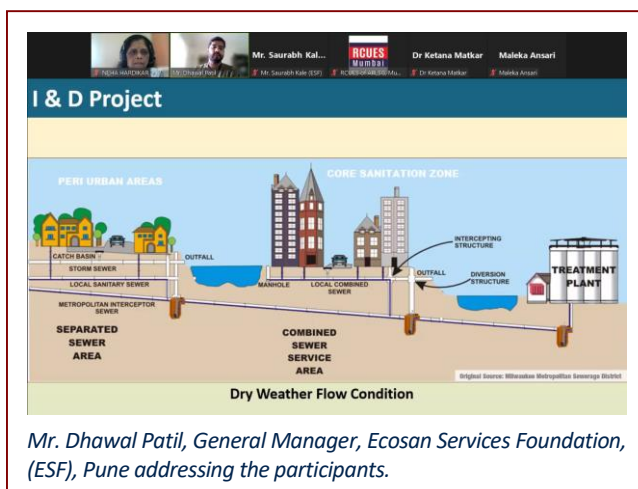


Surveksan 2023, weightage will be given for sanitation and used water management. The financing options for sanitation and wastewater management under SBM-U and SBM-U 2.0 were also explained. The session was ended by stating that SBM-U 2.0 mainly focuses on the wastewater and faecal sludge management, which has the initial step of CSAP and DPR at city level.

The next session on 'Used Water Management for a City' was conducted by Mr. Dhawal Patil, General Manager, Ecosan Services Foundation, (ESF), Pune. He divided his session into 4 stages of used water management. They are approaches of used water management, conveyance of used water management, Interception & Diversion and used water treatment.

While explaining used water management approaches, he talked on levels of management. In centralised system, very high population density, lack of space and high affordability of services have been observed. This system emerges core sanitation zone where households connected to sewerage systems. In this system, used water is transferred between urban watersheds using pumping stations. The Centralised treatment facility is used and remaining water disposed off in surface water bodies

(rivers or sea). Decentralized System is implemented in outskirts areas of the city where, high population density, multi-storey buildings and affordability of services have been observed. This system is being used of the city where households have IHHT and Septic tank, used water is conveyed without pumping station. In this system, treated water disposed off in surface water bodies. Onsite System which is implemented in isolated urban pockets. Onsite system comprises of low population density single-storey building and less affordability of services. In this system, households have IHHT and septic tank/soak pits. The disposal



is made by using leach pits or soak away zones. In this system, black and grey water is segregated and wastewater management is done at household level.

He explained conveyance system of used water management. In conventional sewer system, sewer is conveyed to sewerage pumping station. In solid free sewers system, smaller gradient covers more spatial area without requiring pumping stations. The planning and execution is relatively easy in this system. The water required for cleansing pipes is less and also required less O&M in this system.

He spoke on Interception & Diversion (I&D) projects system, which is an important component of SBM-U 2.0. As per the programme, in the outskirts areas around the core sanitation zone, all the surface drains need to be intercepted and the wastewater flowing in them need to be diverted to the STP of the core sanitation zone. The components of the I&D project were discussed and the function of each was explained. The nuances of designing the I&D structure were explained followed by advantages and disadvantages of I&D project on the STP.

He explained about used water treatment, in which the discussion was made on how water is treated to preserve environmental health by limiting pollutant load in natural environment by understanding the treatment objectives. The treatment objectives should be clearly understood before considering different options for treatment. Later, the treatment stages were discussed to understand the treatment technologies. The primary treatment is a physical process where removal of suspended solids is made. At the secondary stage, biological process where BOD, COD and nutrients are removed through Anaerobic, Aerobic and Facultative processes. Later, Tertiary stage was explained, which is a chemical/ Photolytic process where pathogens are removed through chlorination, ozonation and

ultraviolet processes. He added that selection of appropriate technology is dependent on type of STP treatment stages. During the further discussion, the emphasis is given on understanding the characteristics of used water, which is significant while talking about I & D projects. Organic loading plays a very important role in functioning of the secondary stage. Organic load of dry weather and wet weather will vary significantly. The organic loading decreases due to dilution. Hence, running STP is challenging. The parameters of used water treatment need to be monitored for ensuring optimal efficiency of the treatment. Non-mechanized and mechanized options are feasible for wastewater treatment system and life cycle cost should be the driving principle for selection of wastewater treatment technology. The session was concluded by emphasizing on selection of technology is the key towards effective implementation of used water management.

Summing-up

This online training programme was concluded by Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai by proposing a Vote of Thanks to the subject trainers/experts and the participants after the feedback session.

Glimpses of the Web-Based Training Programme

Proposed Strategy – Wastewater Management

We need to adopt Garbage Free as well as Zero Waste Concept

Garbage Free
Waste created is treated/ recycled

Zero Waste
Zero waste means no waste is ever created

SBM-U 2.0 : Objectives and Components

Objective 2 Sustainable Solid Waste Management

Components

- i. Setting up of waste processing facilities and sanitary landfill.
- ii. Procuring mechanized sweeping equipment and setting up processing facilities for effective management of Construction and Demolition (C&D) waste (in 154 cities - as identified in the list given)
- iii. Bio-remediation/ capping of all legacy dumpsites in all ULBs

Conventional Sewers

	Collection	Conveyance	Disposal
Responsibility	User/ULB	ULB/State	ULB
Cost	Low	High	High in case of failure

Regional Specialized Training Programmes on

Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS

27th July 2022 at Nagpur, Maharashtra.

29th July 2022 at Pune, Maharashtra.

Key Highlight

These training programmes were for imparting knowledge on various operational aspects of handling of MIS portal through actual demonstration, which would be useful to the participants to fill-up the gaps in survey data so that they handle the portal efficiently.

Background

The World Urbanisation Prospects report 2018 by the UN Department of Economic and Social Affairs estimated that 55 percent of the world's population is now living in urban areas and that this proportion is expected to increase to 68 percent by 2050. Similarly, according to a recent report by the National Commission on Population, there has been 57 percent increment in the size of urban population in our country. Pradhan Mantri Awas Yojana (Urban) Mission launched on 25th June 2015 aims at providing housing for all in urban areas by the year 2022. The scheme is a major step towards ensuring that people get a house within their financial capability. The major objective of the scheme is to ensure provision of pucca house for every family with facilities of basic services including water connection, toilet facilities, and 24X7 electricity supply. In pursuance of the vision of Government of India towards facilitating "Housing for All by 2022", the Ministry of Housing and Urban Affairs (MoHUA), State Governments and Urban Local Bodies (ULBs) have taken several measures to implement the housing projects under PMAY (Urban) during & post COVID-19. In this regard, knowledge in various thematic areas, such as housing technologies, innovative designs, housing finances, development policies, comparative analysis etc. is being imparted to all the concerned authorities. Efforts are being made towards planning and formulation of policy documents, tender documents, Housing for All Plan of Action (HFAPoA). Detailed Project Reports (DPRs), innovative housing designs and Public Private Partnership projects have been worked out. At the same time, capacities of concerned municipal officials have to be enhanced for effective and timely implementation of housing projects in order to achieve the mission objective within the stipulated time-frame.

Considering this background, and upon a special request from Maharashtra Housing & Area Development (MHADA), Mumbai, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai conducted **two Regional Specialized Training Programmes on 'Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS' on 27th July, 2022 at Nagpur and on 29th July 2022 at Pune in Maharashtra.** These training programmes were supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

The key objective of these training programmes was to understand functioning of MIS for monitoring the progress of implementation of PMAY (U) at ULB level.

Participation

In all, 290 participants comprising CLTC Engineers, Section Engineers, TL Procurement Experts, Consultants, MIS Experts, Planning Assistants, Internal Auditor, Software Development Specialists, Town Planning Specialists, Municipal Finance Specialists and concerned officials from the State of Maharashtra attended these training programmes.

Sr. No.	Date of the Offline Training Programme	No. of Participants
1	27 th July, 2022	135
2	29 th July, 2022	155
	Total	290



Participants during the programme at Nagpur and Pune in Maharashtra.

Introduction



Ms. Maleka Ansari and Ms. Neha Hardikar, Sr. Research Officer, RCUES of AILSG, Mumbai addressing the participants.

The training programme conducted on 27th July, 2022 in Nagpur was coordinated by Ms. Maleka Ansari, and the training programme conducted on 29th July, 2022 in Pune was coordinated by Ms. Neha Hardikar, both Sr. Research Officers, RCUES of AILSG, Mumbai.

Both the training programmes began with welcoming the distinguished trainers and participants by respective programme coordinators. They explained the objective of conducting the training programme and stated that this mission is being implemented in cities and how ULBs play a vital role in effective implementation of PMAY with other stakeholders. They suggested the participants to note

down the operational aspects of handling MIS portal for monitoring as would be explained by the expert trainers so as to ensure that the portal is handled efficiently and the desired outputs are always available.

Inauguration

On 29th July, 2022, the training programme was inaugurated by Mr. S. K. Babber, Dy. Secretary, (HFA), MoHUA, Gol. Mr. Ajit Kawade, Dy. Secretary, (Housing), Government of Maharashtra, Mr. Akhilesh Kekare, Regional Coordinator, PMU, PMAY, MoHUA, Gol and Mr. Amol Budhkondwar, Executive Engineer, PMAY, MHADA, Mumbai also graced the function by their presence during the inauguration. Mr. Babber spoke on the implementation status of PMAY (U) across the country and highlighted the relatively less progress in Maharashtra state on account of lack of awareness in handling MIS portal. He encouraged the participants to attain knowledge on handling MIS portal through the technical sessions. Ms. Hardikar proposed a Vote of Thanks to the dignitaries on the dais and offered a plant as a token of appreciation to the guests and subject trainers. Further, she requested the subject trainers to initiate with the technical sessions.



Inauguration of training programme. (L to R) Mr. S. K. Babber, Dy. Secretary, (HFA), MoHUA, Gol, Mr. Ajit Kawade, Dy. Secretary, (Housing), Government of Maharashtra, Ms. Neha Hardikar, Sr. Research Officer, RCUES of AILSG, Mumbai.

Technical Sessions



Ms. Pooja Gupta, Lead MIS, PMAY, MoHUA, Gol addressing the participants.

The first session on 'Effective Implementation of MIS Portal under PMAY (U)' was delivered by Ms. Pooja Gupta, Lead MIS, PMAY, MoHUA, Gol. The session commenced by laying emphasis on MIS portal under PMAY (U). She said that PMAY (U)-MIS is Citizen Centric IT Solution, which is a key source of monitoring the progress of the Mission of PMAY (U) in which ULBs and State Level Nodal Agencies (SLNAs) enter the data pertaining to beneficiaries and projects approved under PMAY (U) Mission. She further said that recently, MoHUA, Gol has observed certain discrepancies in the data uploaded by the States and ULBs like, not

attaching list of beneficiaries as per the Annexure data entry. In order to avoid such incongruities of data in future, PMAY (U) MIS has recently imposed one item of validation on 'Beneficiary Attachment' provision in all components i.e. Beneficiary Led Construction (BLC), In-Situ Slum Redevelopment (ISSR), Affordable Housing in Partnership (AHP). This provision allows ULBs to attach beneficiaries' information in the approved project as per the total housing unit count, total count in gender and category as entered in Annexure in the MIS system. She added that in MIS, if ULB attaches number of beneficiaries more than the counts mentioned in the Annexure against category and gender, the system will generate an error. PMAY (U) has developed a provision under ULB login to revise total count in gender and category in order to rectify present data discrepancy and overcome this challenge.

She further explained that PMAY (U) - MIS is integrated with Common Service Centre (CSC), UMANG Mobile App, NRSC Mobile app (for geo tagging of BLC houses) and Bhuvan Portal through web services.

While explaining operational strategies of MIS under PMAY (U), she stated that PMAY(U) MIS system, in order to digitize and automate entire process of the Mission for different verticals of PMAY, starts from application by beneficiaries (capturing of demand survey) and concludes at allotment of Houses. Defined roles matrix for each type of user, PMAY (U)-MIS has been successfully integrated with DBT Bharat Portal for both schemes. She added that DBT Expenditure data (as entered by SLNA in MIS) has been shared with DBT Portal via web-services for the months April 2018 to December 2019. As per approve SOP with the DBT mission, the DBT Expenditure data will be shared by 20th of every month to DBT Portal via web-services.

Later, she explained the CLTC for streamlining several processes from ensuring highest standards in data compliance in MIS portal, collecting long pending Utilization Certificate from ULBs to performing capacity building exercise for over 300+ CLTCs across Pune, Nashik, Amravati and Nagpur Divisions.

The session on 'Bhuvan HFA Mobile Application and Geo-tagging' was conducted by Mr. Radheshyam Saini, Sr. Project Consultant, GIS Expert, MoHUA, GoI. He initiated the session by stating that geo-tagging is an important tool to monitor the progress of constructed houses under PMAY (U) through Bhuvan HFA App. This is a user-friendly mobile application which enables collecting and reporting geo-tagged information and monitor different stages of the construction of houses.

He then explained the installation process and how geo-tagging of houses under BLC is done through this mobile app. After the explanation of installation and implementation process, he explained the types of reports which can be generated in the dashboard, District wise, City wise, Projects wise, Construction stages wise and Beneficiary's ID wise. He added that following steps need to be ensured in effective implementation of PMAY (U): (a) The quality of photograph/geo-tag need to be ensured by Surveyors. (b) Data and images need to be collected from the beneficiary's location. (c) The roles and responsibilities of supervisors, surveyors, SLTCs/CLTCs, States/UTs need to be specified appropriately. The MoHUA, GoI does random checks regularly to monitor the quality of

Dr. Pradip Kalbar, Associate Professor, CUSE, IIT, Mumbai addressing the participants.

photos geo-tagged, moderation gaps, working of surveyors, supervisors and SLTCs/CLTCs etc. He concluded his session by highlighting the significance of precise geo tagging under PMAY (U) mission.



Mr. Akhilesh Kekare, Regional Coordinator, PMU, PMAY, MoHUA, GoI addressing the participants.

After the technical sessions, Question & Answer session was conducted. The participants had many queries in handling portal and updating data etc. which were solved. Mr. Akhilesh Kekare, Regional Coordinator, PMU, PMAY, MoHUA, GoI discussed the issues and challenges with the participants. The first issue is in compliance of data uploading to the MIS portal. Sometimes, beneficiary data does not get

reflected for approved projects. Geo-tagging, mapping and accuracy issues also persists. ULBs have to upload Monthly Project Report (MPR) to the portal which have not been uploaded on time.

This was the upright platform for all PMAY stakeholders to discuss their issues and challenges and acquire probable solutions on them through multiple stakeholders. MoHUA, Gol's authorities and subject experts addressed the questions raised by the participants and encouraged them to upload their work on the MIS portal to identify the status of Maharashtra state across the country under PMAY (U) mission.

Summing-up

After the Question and Answer session, Ms. Neha Hardikar and Ms. Maleka Ansari both Sr. Research Officer, RCUES of AIILSG, Mumbai concluded their respective training programmes by proposing a Vote of Thanks to the Chief Guests, subject trainers and the participants.

Glimpses of the Specialized Training Programmes



Regional Specialized Web-Based Training Programme on

Financial Reforms at ULB Level

04th - 05th August 2022

Key Highlight

In this web-based training programme the participants were updated on the strategies to be adopted to increase the revenue through strategic resource mobilization of the ULBs so that better effective service delivery could be made and more infrastructure facilities are provided in their respective cities.

Background

Financial system plays a vital role in overall development of the cities, especially medium and small towns. Unfortunately, in most parts of the country the financial system does not function smoothly and is not sufficiently strong. Urban Local Bodies (ULBs) cater to the services like public health, welfare, regulatory functions, public safety, public infrastructure works, and development activities of the city. Financial stringency has become the biggest hurdle for ULBs, the sources of income such as revenues from taxes, fees, fines & charges are inadequate as compared to the expenses of the services provided. The ULBs heavily depend on the transfers from State & Central governments and other local cess, loans from banks and other institutions as well as by raising municipal bonds. They also generate revenues from sundry sources such as rents from entities that use public premises, etc. During the lockdown, supply chains were badly affected due to strict physical distance imposed, which adversely affected the recovery process of ULBs. It has become necessary for ULBs to urgently rethink the fiscal policy for enhancing municipal revenue. Implementation of financial reforms for empowering local financial institutions to improve the allocative efficiency of resources and ensure financial stability by enhancing its soundness and efficiency has assumed top priority.

At the same time, they also need to develop capacities and competencies of ULBs for handling responsibilities and resources in an accountable manner. Similarly, the provision of state finance commission (SFC- Article 243-I) & amendment of Article 280 of the Indian Constitution provided for strengthening the finances of ULBs.

Considering all these, Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIIILSG), Mumbai organized a **Regional Specialized Web-Based Training Programme on 'Financial Reforms at Local Level' on 04th - 05th August, 2022**. This training programme was supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

The key objective of this web-based training programme was to discuss the strategies by ULBs to enhance the revenue to ensure better service delivery and developing infrastructure facilities at city level.

Participation

In all, 32 participants comprising Elected Representatives, Chief Officers, Municipal Engineers, SBM Experts, Sr. Chemists, Accountants, Dy. Accountants, Community Organizers, Social Workers, Supervisors of Solid & Liquid Resource Management, Representatives of NGOs and concerned Officials of Finance Department from the States of Maharashtra, Gujarat, Rajasthan, Gujarat, Goa and Tripura attended this training programme.

Introduction

The web-based training was commenced by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai by welcoming the distinguished trainers and the participants. She explained the objectives of the training programme by elucidating the importance of revenue generation in order to strengthen the service delivery and infrastructure facilities at ULB level.

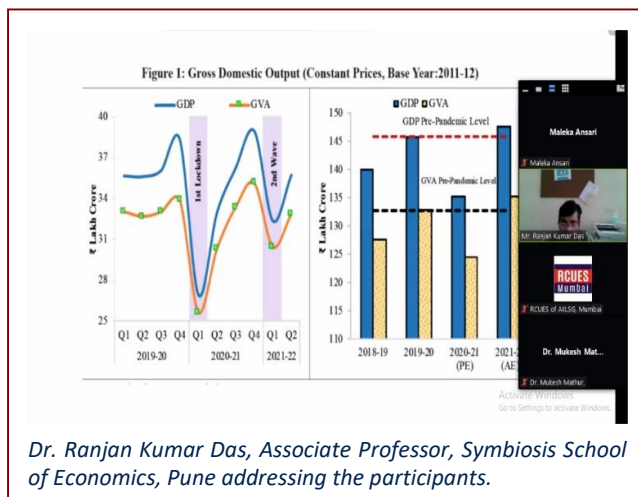
She started the introductory session by stating that the primary duty of ULBs is to make adequate provisions for civic services which necessitates an optimum level of revenue maximization. ULBs are accountable to citizens for operational and fiscal performance as accountability is the most relevant and overarching theme in a democracy. Further she discussed about the various Missions and their related reforms by highlighting the purpose of the reforms towards improving delivery of civic services, bringing down the cost of delivery, infrastructural development, improving financial health, augmenting resources and maintaining transparency. Further she added that the Missions set aside 10% of annual budgetary allocation to be given away as incentive to States/UTs for accomplishing the reforms within specified timelines.



Further she discussed about the various Missions and their related reforms by highlighting the purpose of the reforms towards improving delivery of civic services, bringing down the cost of delivery, infrastructural development, improving financial health, augmenting resources and maintaining transparency. Further she added that the Missions set aside 10% of annual budgetary allocation to be given away as incentive to States/UTs for accomplishing the reforms within specified timelines.

Technical Sessions

The first session on 'Overview of Indian Economy' was conducted by Dr. Ranjan Kumar Das, Associate Professor, Symbiosis School of Economics, Pune. At the outset he stated that the urbanization process



Dr. Ranjan Kumar Das, Associate Professor, Symbiosis School of Economics, Pune addressing the participants.

is underway continuously in almost all cities; population has increased fourfold between 1970 and 2018 ranging between around 10 to 46 crores by placing India as the second-largest urban community in the world. He added that cities in India occupy 3.0% of the nation's land but their contribution to gross domestic product (GDP) is 60.0%. He also discussed urbanization challenges and said that as per the World Bank report 2020, half of the world's population lives in urban areas as work opportunities are more in cities for the younger generation and on account of other factors. Further he added that cities are expanding but their economies are facing

great challenges mainly relating to revenue constraints and need to provide ever expanding services. To illustrate the empirical relationship between urbanization and economic development, he discussed the issues of inflation, adverse impact of Covid-19 on all the sectors, lockdowns, broken supply chains, decline in GDP and revival of the economy post COVID.

Further he highlighted external challenges facing cities including high commodity price, depreciation of exchange rate and supply-chain disruptions, tightened monetary policy by the RBI. The banks are struggling with non-performing assets and there is a credit crunch (supply) and demand contraction.

He suggested that in this scenario, a holistic approach is necessary for meeting development goals and efficient management of economic issues at city level.

He discussed the sources of revenue generation of ULBs. They primarily include taxes, fees, fines and charges, and transfers from Central and State governments. These transfers contained state grants and loans from state governments and market borrowings are also sources for revenue generation for ULBs. He further stated that the municipal revenue base can be strengthened through several innovations such as improved billing and collection, rationalization of service charges, simplification of the tax assessment system, computerization of records, improved accounting system, financial management systems, intensive communication with public and outsourcing. He also added that the municipal resource mobilization process requires a strong commitment and unwavering support of deliberative wings as well as executives of ULBs. Furthermore, he said that market-based funds (municipal bonds), land-based sources and Public Private Partnership (PPP) are effective means to raise financial resources of ULBs. He suggested that a holistic approach is necessary in meeting its development goals and efficient management of economic issues at city level. He concluded his session by stating that improving financial status and tapping all the options of raising resources needs a focused approach of ULBs for achievement of efficient management of economic issues in a transparent and accountable manner.

In the next session Dr. Mukesh Mathur, Consultant, AILSG, New Delhi and former Professor, National Institute of Urban Affairs (NIUA), New Delhi discussed 'Financing Urban Infrastructure' by highlighting issues, challenges and solutions. He talked on urban scenarios and stated that rapid urbanization emerged as a key policy and governance challenge in India in recent years. He stated that larger cities are enhancing their participation in the global economy whereas smaller cities are absorbing most of the rural-urban migration and strengthening linkages to the rural economy. He discussed the status of urban services in various cities by highlighting increased demand and supply level gaps in providing urban services. He categorized responsibilities of ULBs by comparing the existing financial options of revenue generation like the taxes on property, profession, entertainment, entry, advertisement etc. He highlighted the key issues and challenges faced by ULBs by stating that cities are not self-reliant and are caught in a low equilibrium cycle, lack of financial viability, inadequate infrastructure in cities, weak credit worthiness, planning and lack of private investors. He also spoke on other constraints faced by ULBs based on his observation in many cities which include lack of clarity during project planning, execution and operations during implementation of development projects, etc.

He briefly discussed infrastructure financing by highlighting sources of infrastructure financing including local government capital budget allocation, bank and institutional loans, grants from State and Central Governments, long-term municipal funds/bonds, leveraging municipal assets and private equity and pooled bonds issued by urban infrastructure funds. He also explained the infrastructure financing options by highlighting municipal bonds, public private partnership, public financing institutions, bank finance and multilateral financial institutions. Further he mentioned VCF's innovative way to finance infrastructure services by adding definition of value capture, which is the name given to a policy by which governments capture some of the increased value of land that results from the building of a part of new infrastructure.

Infrastructure Investment

The High Powered Expert Committee (HPEC)
Investment Projections for 20 years Upto 2030
(Not Including Housing)
at 2009-10 prices

Investment Requirements : US\$ 650 Billion
Operating & Maint. Cost : US\$ 330 Billion

March, 2011

McKinsey Global Institute Study
Investment Projections for 20 years Upto 2030
(Including Housing)

Investment requirements : US\$ 1200 Billion
Operation & Maint. Cost : US\$ 1000 Billion

April, 2010

Dr. Mukesh Mathur, Consultant, AILSG, New Delhi and former Professor, NIUA, New Delhi addressing the participants.

He concluded his session by highlighting importance of reform actions to improve municipal finance including institutional arrangements for service delivery, true local financial autonomy, sustainable finances supported by user charges, restructuring of intergovernmental grants to incentivize reform with greater assistances for smaller cities, encouraging public–private partnerships (PPPs), deepening of the municipal bond market, local capacity building, strengthening regulatory framework of service delivery and public participation.

In the next session by Dr. Sanjay Phad, Assistant Professor, Department of Economics, SNDT Women's University, Mumbai discussed 'Role of Central & State Government in Amending Financial Reforms at

Table 1: Amounts Allocated by Central Finance Commissions to ULBs

Commission	Amount Allocated to ULBs	% Growth in amount	Share of ULB Grants	Total Local Body Grants	% Share in total FC Grants
FC-X (1995-2000)*	1000	-	18.58	5380.93	24.24
FC-XI (2000-05)	2000	100.00	20.00	10000	17.07
FC-XII (2005-10)	5000	150.00	20.00	25000	17.53
FC-XIII (2010-15)	23111	362.22	26.82	86162	33.32
FC-XIV (2015-20)	87143.8	277.07	30.32	287436	53.49
FC-XV (2021-26)	121055	38.91	32.50 to 35	436361	6.41

Source: Reports of Finance Commissions, Government of India.

Dr. Sanjay Phad, Assistant Professor, Department of Economics, SNDT Women's University, Mumbai addressing the participants.

ULB Level' with a brief discussion on financial reforms for ULBs to provide sustainable solutions of development projects. He commenced his session by explaining overall status of budgetary provisions in ULBs and the need for financial reforms to support development projects at ULBs level. He spoke on the decentralization initiative of India with reference to 73rd and 74th Constitutional Amendment Act (CAA). After constitutional amendments, it has become mandatory for the Finance Commissions to allocate funds and make recommendations as to strengthen the functioning of ULBs. Even these grants

are supplementary source of finance but important support to strengthen the functioning of ULBs. In view of these challenges, he recommended that the percent share of ULB grants in total Finance Commission transfer's which was 2.3 percent in the Eleventh Finance Commission was increased to 5.05 percent in the Thirteenth Finance Commission and 6.41 percent in the recommendations of Fourteenth Finance Commission. Hence, this share must be increased up to minimum 15 percent.

For this purpose 6 percent of the divisible pool of Central taxes as general basic grants and 2 percent as performance grants may be granted to ULBs. He also suggested that it should be ensured that the State Governments are transferring the local body grants promptly and efficiently to the local Government level as per the recommendations of the Central & State Finance Commissions. He then stated that urbanization and economic growth are interlinked, as cities provide economies of agglomeration. Currently, cities accommodate 377 million i.e. 31 percent of India's current population and contribute 63 percent of the GDP and are expected to accommodate 800 million in 2050. Hence, the provisioning of adequate infrastructure requires huge finances.

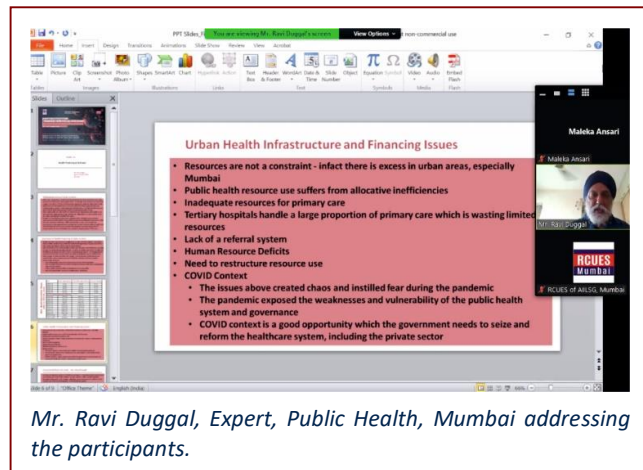
The scenario of urban local finances in India indicates that most of the ULBs need betterment in mobilization of resources and financial autonomy. The resource base of ULBs typically consists of their own sources, state grants, loans from state governments, and market borrowing. He said that ULBs in India have a minimal revenue base and are largely dependent on Central and State grants, which constrained the ability of ULBs to invest adequately in capital expenditure like creating infrastructure and thereby, improving quality of life in the city.

Central Finance Commissions have also recommended for financial strengthening of ULBs from time to time. He added that no grants will be released to local bodies of a state after March 2024 if any State does not constitute the State Finance Commission and acts upon its recommendations by then.

He concluded his session by mentioning that financial self-sufficiency of the ULBs is the need of the hour. This can be achieved through encouraging municipal bonds, reviewing of property tax system to make periodical revisions, improve efficiency and transparency in collection and mobilization of resources.

On the second day, Mr. Ravi Duggal, Expert, Public Health, Mumbai shared his experience on 'Health Financing at ULB Level' with special focus on investment opportunities in the healthcare sector and building sustainable health infrastructure at ULB level by adopting and implementing various strategies. He commenced his session by stating that after passing of 74th CAA, ULBs were empowered and given financial power to collect revenue but ULBs become weak institutions over time because of inadequate revenue generation due to various issues including those related to municipal administration. Inadequate revenue generation leads to dependency on state government resources because of which these bodies have weak autonomy that affects decision making powers at ULB level.

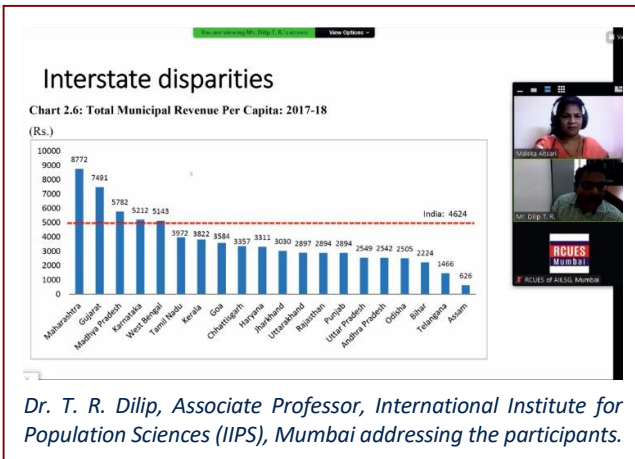
Further he focused on health financing by presenting an overview of health financing. He mentioned that the 12th Schedule of the Constitution lists 18 functions that need to be carried out by ULBs and public health is one of them. Like the decline of fiscal status of ULBs over the years, even healthcare spending of ULBs was adversely affected. He mentioned that ULBs, according to their means provide of health care facilities at many levels including at the levels of community health workers to urban health centers, dispensaries and hospitals teaching medical colleges attached to hospitals. He



He further spoke upon the issues of urban health financing such as inadequate resources for primary care and tertiary hospitals which handle a large proportion of primary care, lack of a referral system and deficits of human resource which highlight the need to restructure resource use etc.

He further spoke on Building Sustainable Health Infrastructure at ULB Level by adopting and implementation of various strategies. He mentioned that public health resource use suffers from allocative inefficiencies due to lack of a referral system. He added that the pandemic exposed the weaknesses and vulnerability of the public health system and governance. He further spoke on the sustainable solutions to strengthening primary health care services, creating a referral system for secondary and tertiary care, and creating innovative financing and payment mechanisms. In concluding session he explained the strategy for restructuring and reorienting financial reforms by highlighting cost based allocation of budgets for each level of healthcare unit. According to the National Health Policy, Maharashtra Government mandates Rs. 4400 per capita allocated for health sector in which 60 percent of above funds are to be allocated for primary care including UHCs (Universal Health Coverage), Dispensaries, Public Health by applying Rs. 2500 per capita for each primary care unit. Similarly 30 percent disbursement allocated for hospital care including secondary and tertiary hospitals by considering 80 percent bed occupancy as standard, Rs. 10 lakhs per secondary bed and Rs. 15 lakhs per tertiary bed. Remaining 10% of budget allocation is reserved for information, research, monitoring and accountability.

In the next session, Dr. T. R. Dilip, Associate Professor, International Institute for Population Sciences (IIPS), Mumbai, discussed 'Municipal Financial Management'. He commenced the session by analyzing the concept of municipal financial management which includes budgeting, accounting, financial reporting and auditing and their applications in the local government context. It provides the conceptual foundation for improving expenditure management and performance assessment. He added that it provided guidance on performing municipal finance, self-assessment with the aim to assess a city's financial health and identify specific actions to improve financial practices, mobilization of local revenues, public spending, public asset management, investment programming and access to external funding.



He showed a graphical presentation about the municipal revenue and expenditure pattern of some selected ULBs and stressed upon strengthening revenue and resource mobilization to cope up with increasing municipal expenditure and need for adequate service delivery. He recommended that the potential of property tax needs to be fully leveraged by broadening the tax base through extending coverage and periodically revising rates, improving assessment system & property valuation. He added that use of technologies such as satellite photography and geo-coding of data can help to improve

coverage and facilitate better administration of property tax systems.

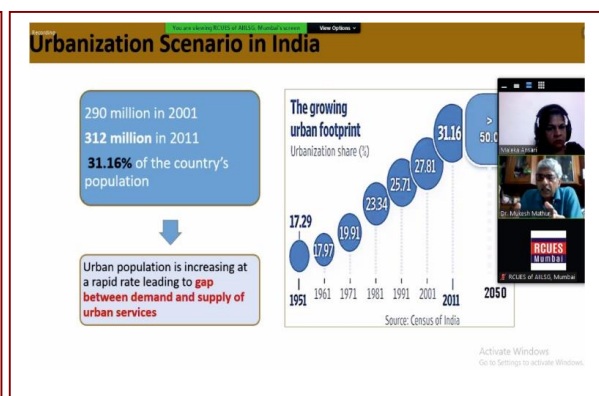
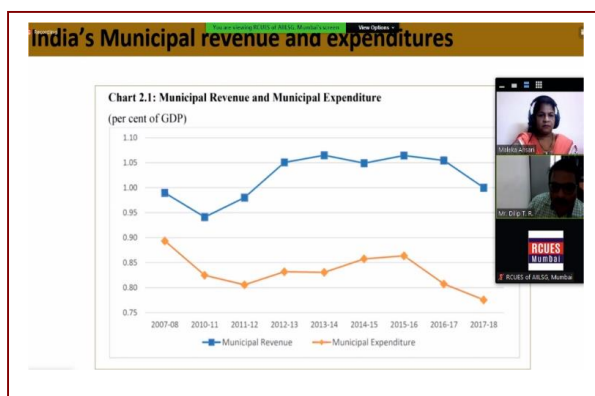
He suggested measures for strengthening municipal finance at ULB level, maintaining their accounts on the accrual based double entry system and preparing financial statements such as balance sheets, income and expenditure statements, statements of cash flows and receipt and payment accounts, at the end of each quarter. He said that the National Municipal Accounts Manual (NMAM) was introduced in 2004, and is not being implemented in all the states in our country. He lays emphasis on bringing standardized formats, accuracy, and punctuality in the preparation of municipal accounts by urban local governments in India.

He concluded his session by saying that municipal finance can affect the nature and location of development by examining the status of core municipal services and the financial needs for upgrading core infrastructure and services at ULB level.

Summing-up

At the end of the sessions, the feedback was taken from the participants, followed by Vote of Thanks by Ms. Maleka Ansari, Sr. Research Officer, RCUES of AIILSG, Mumbai to the distinguished trainers and the participants.

Glimpses of the Web-Based Training Programme



Regional Specialized Web-Based Training Programme on

Urban Environment and Climate Change

13th - 14th October 2022

Key Highlight

In this web-based training programme, the participants were acquainted with the causes and impacts of climate change along with the adaptation and mitigation strategies. Discussions in the programme were focused on climate action plan at city level to align with various national schemes and programmes across various development sectors.

Background

It is expected that by 2030 about half of the Indian population will be residing in urban areas. The pace of urbanization is accompanied by problems of water supply, sewage disposal, municipal waste, the lack of open landscaped spaces, air & water pollution, and public transport etc. The sustainability of the cities is threatened under pressure of environmental burdens and climate change.

Climate change is the most significant aspect for a sustainable environment. It reduces green cover and increases the consumption of fossil fuels and greenhouse gases emissions, and leads global phenomenon but with local consequences. There are external and domestic dimensions to India's climate change policy which has been articulated through National Action Plan on Climate Change (NAPCC) adopted in June 2008 and India's updated Nationally Determined Contribution (NDC) submitted to the UN Framework Convention on Climate Change (UNFCCC) in August 2022 intending to promote sustainable life styles and climate justice to protect the poor and vulnerable from adverse impacts of climate change. The deterioration of urban environmental quality can be effectively monitored and assessed by using geo-spatial tools. The administrative, technical, and managerial capacity of the staff of the urban local bodies needs to be strengthened in order to enable them to understand and handle climate science. The officials of various government departments should be given thorough knowledge and training on GIS application and implementation in the urban environment.

Considering this background, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai organized a **Regional Specialized Web-Based Training Programme on 'Urban Environment and Climate Change' on 13th - 14th October 2022**. This training programme was supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

The key objective of this web-based training programme was to understand the role of ULBs in addressing climate change challenges in order to ensure environmental resilience, mitigation and adaptation practices at city level.

Participation

Total 36 participants including Mayors, Municipal Engineers, Executive Officers on Special Duty, City Coordinators, Public Health Supervisors, Sanitary Inspectors, Project Associates, Representatives of

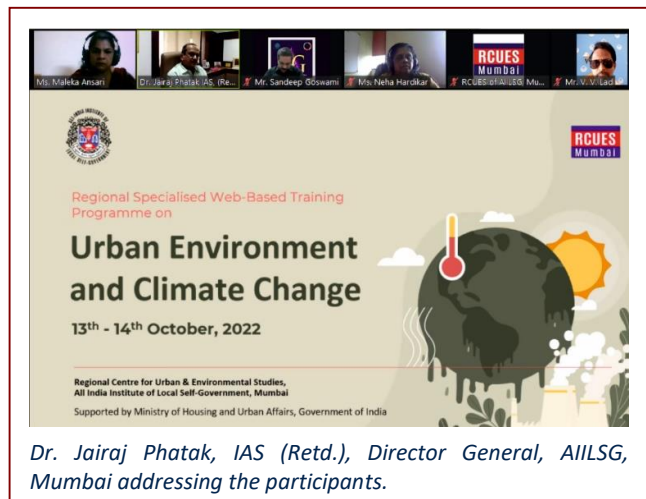
NGOs and concerned officials from the States of Maharashtra, Gujarat and Rajasthan attended this training programme.

Introduction

The web-based training programme was commenced by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai by welcoming the distinguished trainers and the participants. She explained the objectives of the training programme and started the introductory session by stating that climate change poses serious issues in the present scenario which directly and indirectly impact the development process of the nation. Being center of the economic system, cities are growing rapidly. Impact of climate change on urban populations leads to an unbalanced continuity on account of factors like degradation of eco systems and infrastructure, rising sea level water, heat waves, water and sanitation, spreading diseases, increasing mortality rate, impact on food availability, etc.

Inauguration

The web based training programme was inaugurated by Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG, Mumbai. In his inaugural speech, he focused on climate change by stating the global temperature which has risen 1.1 Celsius above the pre-industrial level, with glaciers melting and sea level rising. He highlighted the other adverse impacts associated with climate change including flooding and droughts, displacing millions of people from their homes, sinking them into poverty and hunger, denying them access to basic services, such as health and education, expanding inequalities, fluctuating economic growth and sometimes raising conflicts. Further he extended his session by highlighting the forthcoming concerning situation which predicted that in 2030, an estimated 700 million people will be at risk of displacement by drought alone.



He also informed about the possibilities of increasing adverse situations due to climate change. He advised the ULBs to implement programmes to contribute environmental protection by implementing climate friendly policies which reduce air and water pollution and practice measures for abating reverend air pollution and other measures for lessening greenhouse emission. He cited the examples of Netherland where dietary shifts were adopted to mitigate climate and water crises. In the concluding session, he advocated on implementation of national and international action and policy changes are the priority for tackling with climate change at global level.

Technical Sessions

The first session on 'Overview of Climate Change' was addressed by Mr. Sandip Goswami, Consultant – UN Sustainable Development Goals by highlighting the important aspects of climate change, climate change and its adverse impact on environment globally as well as in India.

The session focused on causes and the subsequent effects of climate change on environment. While explaining the causes, he talked on atmospheric and ocean circulation. According to Intergovernmental Panel on Climate Change (IPCC) Assessment Report, changes in Ocean and Cryosphere increased over the past 30 Communities living in close connection with polar, mountain, and coastal environments are particularly exposed to the current and future hazards of ocean and

cryosphere change. These changes effects on sustainable development which needs robust assessments, the development of context-specific governance and response options by utilizing and strengthening the knowledge and adaptation planning. Later, he spoke on extreme weather changes and its economic impact.

Furthermore, the discussion was held on climate risk, extreme global events and its related impact by stating that more than 35 million people are affected by flood, estimated 821 million undernourished partly due to drought, more than 1600 deaths occurred due to heat wave and wild fires, more than 2 million people are displaced by weather and climate linked disasters. He further mentioned that the UN report on Disaster Risk Reduction (UNISDR) has listed India among top five countries in the world that endure absolute economic loss due to disasters. A recent international analysis showed Mumbai and Kolkata, India's largest metropolises have been identified as high risk cities. He stated that temperature and precipitation variability, drought and asset management programme (amp), soil fertility loss, flooding and extreme rainfall, cyclone and storm-surge, sea-level rise, and linked health risks are six major climate change-related risk groups identified based on Indian climatic conditions. At the end, he spoke on hazard, vulnerability, exposure which adapts to risk and strategic actions to reduce them by citing examples. These strategic actions will indeed reduce the impact on environment and health.

The graph below which has covered perils in more than 110 countries UN 2018 Report – captures catastrophe events responsible for 94% of worldwide insured losses of \$85.7 Billion & insurable losses of \$181.8 Billion for the 18-year period from 2000 through 2017, as shown, and which can go up-to \$270.9 & 654.2 Billion respectively in the next 100 years.

Mr. Sandeep Goswami, Consultant – UN Sustainable Development Goals, Government of Maharashtra, Mumbai addressing the participants.

Ms. Shivani Mehta, Consultant, Climate Change and Resilience, UNICEF, Maharashtra, Mumbai addressing the participants.

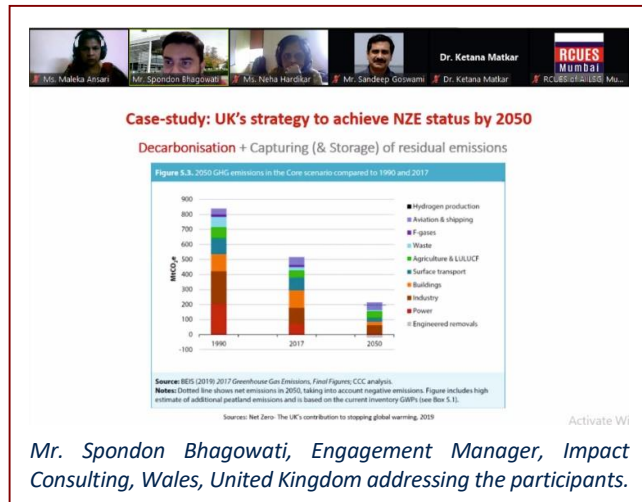
Ms. Shivani Mehta, Consultant, Climate Change and Resilience, UNICEF, Maharashtra discussed 'Various aspects of Climate Change Mitigation Initiatives'. She is also involved in various climate change mitigation and adaptation initiatives designed to implement in Maharashtra state. In the beginning, she explained the difference between mitigation and adaptation; she said that mitigation is a long-term climate action plan to reduce emissions that cause climate change, whereas adaptation is a short-term climate action plan to manage the risk occurring as impacts of climate change. She mentioned the impacts of climate change in the

environment by briefly enumerating them which include sea level rise which has risen upto 3.7 mm from 2006 to 2018, storms and cyclones like Tauktae, Nisarga, Kyarr and Phyan, extreme rainfall events due to increased rate of evaporation and formation of dark heavy clouds, urban flooding due to poor management of drainage and urban heat island effects which raises temperature, air pollution, decreasing water resources and urban green cover etc. She discussed the Paris Agreement which is a legally binding international treaty on climate change adopted by 196 countries and entered into force on 4th November 2016, with its goal to limit global warming preferably to 1.5 degrees Celsius as compared to pre-industrial level on a 5-year cycle and how these changes made it imperative to implement climate action with urgency. She further added need to enhance the provision of financial, technical and capacity building support.

In this context she further discussed the efforts taken by our country for implementing climate action by revising National Determined Contributions (NDC) which was submitted in the Leaders' Summit on Sustainable Development and Climate. While concluding the session, she talked about India's Panchmrit - a set of measures, through which net zero emission targeted to achieve by 2070.

Mr. Spondon Bhagowati, Engagement Manager Impact Consulting, Wales, United Kingdom discussed on 'Net Zero - India's New Climate Target'. He commenced his session by highlighting the risk for environment and social and economic well beings of the citizens due to changes in climate directly and indirectly affected on their life. He revised the reasons of commitment of Net Zero Emission (NZE) Target by pointing to the climate change and global warming, Green House Gases, the Paris Agreement and Global NZE targets and commitments.

Further he explained about the NZE by stating that NZE implies “a state where the level of CO₂ and equivalent emissions released into the atmosphere is balanced by that being removed or securely stored”. He informed the participants about the commitments of Hon'ble Prime Minister of India at the 26th Conference of the Parties (COP26) at Glasgow. Further he briefly discussed on India's new “Net Zero” target by highlighting the targets of achievements by 2030 including non-fossil fuel energy capacity to 500GW, 50% of its energy requirements from renewable energy, reduction of the total projected carbon-emissions by 1 billion tonnes, reduction of the carbon intensity of its economy more than 45% and by the year 2070, India will achieve the target of Net Zero. In concluding session, he discussed a case-study of UK's roadmap to achieve NZE status by 2050.



On the second day, Dr. Ketana Matkar, Founder & Managing Director, Cipher Environmental Solutions LLP conducted her session on 'City Climate Action Plan (CCAP)'. She discussed India's changing climate scenario by highlighting occurrences of floods, storms, cloud bursting etc. She said that global warming is a greenhouse effect due to climate change which is the long-term warming of earth's surface observed over the period from the pre-industrial times between 1850 and 1900 caused due to human activities, particularly fossil fuel burning, industrial activities etc., which affects the earth's atmosphere by increasing heat trapping greenhouse gas levels.

Further, she described the observations as reported by the Ministry of Earth Sciences (MoES) which described climate change impacts in India manifested through a number of natural occurrences of increasing cyclone events, storm surges, extreme rainfall, drought heat wave, vector borne diseases, increase in surface air temperature by about 0.7°C, increase in atmospheric moisture content, sea surface temperatures in the tropical, temperature of the Indian Ocean increasing by about 1°C. She mentioned several initiatives taken at global level agencies including Conference of the Parties (COP) - Paris Agreement, Intergovernmental Panel on Climate Change (IPCC) as also contained in the Report

on Sustainable Development Goals (SDGs). She said that almost all cities are taking efforts to make the cities climate resilient by formulating strategies to combat adverse impacts on environment. She took an overview by mentioning various issues like chronic water scarcity, lack of affordable housing, poor air quality, high unemployment, homelessness, changing demographics, inefficient public transportation system, crime and violence etc.

Thereafter, she discussed the national policy framework designed to implement set of schemes to abate the impacts of climate change. The National Mission on Sustainable Habitat launched “Climate Smart Cities Assessment Framework (CSCAF)” in February 2019 under the Ministry of Housing and Urban Affairs to address the adverse impacts of climate change. The objective of this framework is to provide a roadmap for Indian cities in combating climate change. She also highlighted the CCAP which plays the most important role in overall climate change scenario by framework for identifying and implementing climate actions - mitigation as well as adaptation, which a city could undertake in conjunction with its developmental plans and policies to reduce its greenhouse gas emissions and increase climate resilience. The components of the Climate Action Plan are energy, transportation and land use, urban forest and open space, water and waste, public involvement and municipal operations. She briefed about two committees are required to be formed in the process of climate action planning. ULB Level Climate Coordination Cell and City Level Stakeholders Committee. The ULB level climate coordination cell associates 'representatives from departments related to energy use, pollution, waste, food security, water supply, public health, drainage and sanitation, local economic development, infrastructure, mitigation actions in transportation, and development planning. The City Level Stakeholders Committee involves Government agencies, local NGOs, community leaders, university partners and private sector organizations. Both the city level committees Identify and prioritizes actions and develops implementation plans. Climate Smart Cities Self-Assessment tool (CSC'SA tool) is an emissions assessment tool that uses activity data, as being collated in the framework to estimate greenhouse gas emissions for activities mentioned under indicators across the five sectors. It gives cities focused action targets to prioritize categories and indicators.

In the concluding session based on MoES data, she informed the participants that 33 States /Union Territories have prepared their State Action Plan on Climate Change (SAPCC) in line with NAPCC taking into account the State's specific issues relating to climate change.

The last session was taken by Ms. Neha Singh, Founder & Director, Forest Regeneration and Environmental Sustainability Trust (FORREST) on 'Green Initiatives – Solutions to Climate Change'. She started her session with UNDP quote 'Sustainable development cannot be achieved without significantly transforming the way we build and manage our urban spaces'. She recommended restoration of habitat, water and biodiversity conservation, agro-forestry and sustainable living options as effective measures to tackle climate change. She said that cities are a key contributor to climate change and responsible for about 75 percent of global CO₂ emissions. She spoke

on various mitigation activities of climate change including waste management, promotion of sustainable production of goods, preferring local food, building sustainable infrastructure, conservation and protection of wetlands, green spaces/ urban forests, and encouragement of public transport etc. She stressed on restoration of natural resources including forest, river, ponds etc. She



was confident that individual action encourages collective actions and small changes lead to major positive outcomes.

She added that sustainable development includes health, quality of life and wellbeing which are now in concerning curve of climate change. For combating the existing situation, various supports are necessary at grass root level to lessen the heat island effect and air pollution. Further in concluding session she highlighted on suggested measures by stating about implementation of betterment drives to change microclimatic conditions, supporting biodiversity, restoring ground water, restoration of soil and land development and encouraging creation of aesthetically pleasing surroundings.

Summing-up

After taking the feedback and Question & Answer session, the training programme was concluded by proposing a Vote of Thanks to the trainers and the participants by Ms. Maleka Ansari, Sr. Research Officer, RCUES of AILSG, Mumbai.

Glimpses of the Web-Based Training Programme

The collage consists of four screenshots from a web-based training program:

- Top-Left:** A presentation slide titled "THE BIGGEST SOURCES OF GREENHOUSE GASES" showing various sources like Air Transport, Coal Plants, Industrial Processes, and Forest Burning.
- Top-Right:** A slide titled "Race to Zero" with a list of commitments and a graphic that says "TOGETHER WE CAN DO THIS IF WE ACT NOW".
- Bottom-Left:** A slide with the text "The different futures that lie ahead." and three temperature projections: +1.5°C, +2°C, and +3°C.
- Bottom-Right:** A slide titled "Role of ULBs to help achieve National NZE target by 2070" with two bar charts comparing Business-As-Usual and Existing & Planned scenarios.

Regional Specialized Web-Based Training Programme on

National Urban Livelihoods Mission (NULM)

02nd - 03rd November 2022

Key Highlight

The participants acquainted with convergence of NULM with other flagship missions to generate more livelihood opportunities through this programme.

Background

National Urban Livelihoods Mission (NULM) was launched by the then Ministry of Housing and Urban Poverty Alleviation (MoHUPA), Government of India (GoI) in 2013. To reduce poverty and vulnerability of the urban poor households by enabling them to access gainful self-employment and skilled wage employment opportunities, resulting in an appreciable improvement in their livelihoods on a sustainable basis, through building strong grassroot level institutions of the poor. The mission would aim at providing shelters equipped with essential services to the urban homeless in a phased manner. In addition, the mission would also address livelihood concerns of the urban street vendors by facilitating access to suitable spaces, institutional credit, social security and skills to the urban street vendors for accessing emerging market opportunities. The ULBs, NULM functionaries and other stakeholders would develop a synergy in its implementation to achieve sustainable livelihood opportunities.

Considering this, Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai conducted a **Regional Specialized Web Based Training Programme on 'National Urban Livelihoods Mission (NULM)' on 02nd - 03rd November 2022**. This training programme was supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

The key objective of this web-based training programme was to encourage the ULBs and other stakeholders in effective implementation of NULM for sustainable livelihood opportunities.

Participation

In all, 179 participants comprising State Mission Managers, City Mission Managers, HODs of NULM, City Project Managers (SD & I), Project Officers, Assistant Project Officers, Assistant Programme Officers, Community Organizers, other concerned officials and representatives of NGOs attended this online training programme from the states of Maharashtra, Gujarat, Assam and Tripura.

Introduction

Ms. Neha Hardikar, Sr. Research Officer, RCUES, AIILSG, Mumbai initiated this training programme. She welcomed trainers and participants and gave background and functioning of RCUES. She further stated the need of effective implementation of NULM at ULB level for sustainable livelihood opportunities. The convergence of NULM with other flagship missions will generate ample of livelihood opportunities to

sustain vulnerable. This platform will cater convergence strategies to be implemented / replicated at city level.

Technical Sessions

The first session on 'Current Status of NULM in Maharashtra' was delivered by Mr. Rohidas Dorkulkar, Dy. Commissioner, DAY-NULM, Directorate of Municipal Administration (DMA), Government of Maharashtra (GoM), Mumbai. The session was focused on current implementation status of NULM at Maharashtra. He said that NULM was launched by the MoHUA, GoI on 23rd September, 2013 by replacing the existing Swarna Jayanti Shahari

Rozgar Yojana (SJSRY). During the implementation, it focused on organizing urban poor in their strong grassroot level institutions by creating opportunities for skill development leading to market-based employment and helped them to set up self-employment venture by ensuring easy access to credit. The Mission provided shelter equipped with essential services to the urban homeless in a phased manner. In addition, the Mission also addressed livelihood concerns of the urban street vendors. The strategies for livelihoods and financial inclusion were explained by discussing its components. He further emphasized on current implementation status of NULM in Maharashtra by stating that as of now, around 3493 Area Level Federation (ALFs) and 256 City Level Federations (CLFs) are registered under the mission. The CLFs represent SHGs and give them voice at Bank, ULB, State and Central Government levels. He added that Revolving Fund (RF) facility of Rs.50, 000/- can be availed at Area Level Federation (ALF) and SHGs level. As of now, around 3000 ALF and more than 71, 000 SHGs availed RF support in Maharashtra state. While talking about Self Employment Programme (SEP), he said that Individual and Group Enterprises are promoted and linked with banks for financial support

to get subsidized loans @7% subject to timely repayment. Around 35,067 Individuals, 3033 Groups and 56,655 SHGs availed the bank loan under the mission in Maharashtra. Around 79 Shelters are operational under Shelters for Urban Homeless component of the mission in Maharashtra and around 259 town vending committees are formed. The biometric survey of street vendors is ongoing in 250 ULBs of Maharashtra under Support to Urban Street Vendors component of the mission.

Subsequently, issues and challenges in implementation of NULM in Maharashtra were discussed. Few of them are listed down here. Banks extend meager response in loan

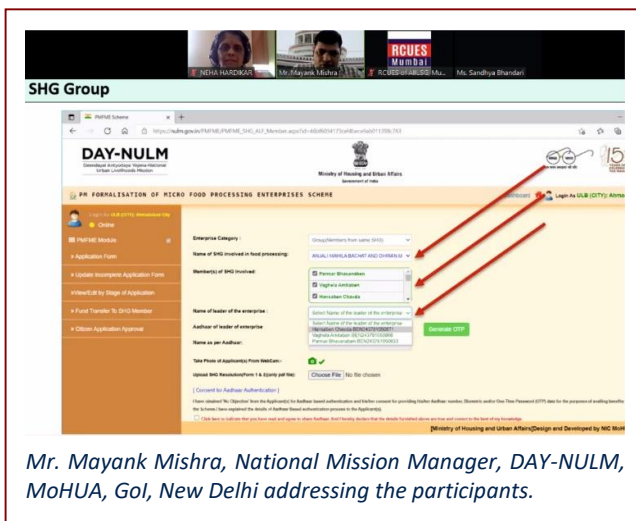
Mr. Rohidas Dorkulkar, Dy. Commissioner, DAY-NULM, DMA, GoM, Mumbai addressing the participants.

disbursement process, non-availability of sufficient land for shelter construction, adverse impact on regular repayment of SHG loan and monthly saving of SHG. Besides, activities under EST&P component, hampered due to COVID-19 and extended lockdown thereafter. The focus was given on post- pandemic approach under NULM by introducing Prime Minister Formalisation of Micro-food processing Enterprises (PMFME) and its convergence with NULM, SVANidhi scheme, skill training for urban under Employment through Skills Training & Placement (EST&P) component of the mission. The session was concluded by elucidating upon Government initiatives undertaken focusing more on

Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

livelihood, developing e-market, converging other flagship missions like SBM, PMFME with NULM. In all, 1700 SHGs are involved in such initiatives in Maharashtra.

The next session on 'Convergence of NULM & Prime Minister Formalization of Micro-food processing Enterprises (PMFME)' was delivered by Mr. Mayank Mishra, National Mission Manager, DAY-NULM, Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI), New Delhi. The session initiated with guidelines and SoPs of PMFME. It is a centrally sponsored scheme launched on 29th June, 2020. The scheme envisages credit linked grant to 2 lakh micro food processing units. The aim of the scheme is to enhance competitiveness of individual micro-enterprises in the unorganized segment, promote formalization of the sector and support individual enterprises, Farmer Producer Organizations (FPOs), SHGs, Cooperatives along the entire value chain. He talked on importance of One District One Product (ODOP) approach in implementation of PMFME. It will provide the framework for value chain development and alignment of support infrastructure. He added that the States would identify the food product for a district, keeping in perspective the focus of the scheme on perishables and on the basis of a baseline study carried out by the State Government. The ODOP product could be a perishable agri produce, cereal based product or a food product widely produced in a district and their allied sectors.



Mr. Mayank Mishra, National Mission Manager, DAY-NULM, MoHUA, GoI, New Delhi addressing the participants.

He explained PMFME components in which the discussion was held on seed capital, credit linked grant for capital investment, training, handholding, and marketing support, grant for marketing and branding of ODOP products, support for Detailed Project Report (DPR) preparation, support to common processing facility, labs, incubation center, warehouse, and 100% funding support to government agencies for common incubation centers etc.

He spoke on seed capital under PMFME. SHG member engaged in food processing activities is entitled for receiving Rs.40,000/- seed capital and purchase of small tools. Individual as well as group applications are accepted for acquiring seed capital. Groups also will be given the seed capital on the basis of individual members though priority would be given for SHGs involved in ODOP. Only existing enterprises would be eligible for acquiring seed capital under PMFME. All the members of an SHG may not be involved in the food processing. Therefore, seed capital would be provided at the federation level of SHGs. State Nodal Agency (SNA) would transfer the seed capital to State Urban Livelihood Mission (SULM) as a grant. SULM in turn would transfer it to SHG federation. SHG federation would provide this amount as a loan to the members of SHGs to be repaid to the SHGs. He also said the food products which have value addition are eligible for obtaining seed capital.

The convergence of NULM and PMFME aims to benefit urban SHG members, who are involved in food processing. SHGs can be enhanced their competitiveness and promote formalization through acquiring seed capital support, credit linked subsidy for capital investment and support to common infrastructure.

The application process flow for seed capital was explained. The process involves key functions through multiple functionaries like SHGs ULBs, SULM & SNA. The entire online application process for seed capital was explained by depicting the online portal and its prerequisites. The session ended by stating the status of seed capital application received and the number of application SNA approved across the country.

The next session on 'Issues and Challenges in Implementation of NULM at City Level' was delivered by Ms. Sandhya Bhandari, State Mission Manager, DAY-NULM, Department of Local Self Government, Government of Rajasthan, Jaipur. The session elucidated upon, how challenges in implementation under NULM can be addressed. The Administrative set up of NULM in Rajasthan state was explained. While explain the status of NULM at Rajasthan state, the emphasis was given on SHGs as they play critical role in effective implementation of NULM. The concept SMART is significant in implementing SHGs roles under the mission. SMART comprises savings, meetings, accounting, recording, and transactions book keeping which is crucial in implementing NULM through SHGs. She added that SHG is an autonomous body which acts as inter loan entity through bank linkages for business startup.

Ms. Sandhya Bhandari, State Mission Manager, DAY-NULM, Department of Local Self Government, Government of Rajasthan, Jaipur addressing the participants.

In all, 20 City Level Centres (CLCs) are established in Rajasthan state and considered as a role model across the country. They are effectively functional throughout the city. The establishment of number of CLCs in the city is depend upon population of the city. SHGs are being supported in generating funds through implementation of CLCs. She also said that loan amount of Rs.2 lakhs is being provided for business under Self Employment Programme (SEP) of NULM. Further, Shahari Indira Gandhi Yojana was elucidated in which beneficiaries can avail loan amount of Rs. 50,000 without interest. The ULBs have been given credit under this scheme. She

concluded the session by denoting the status of Shelter for Urban Homeless (SUH) in Rajasthan state. In all, 255 shelters were constructed under the mission, of which 222 are effectively operational in the state.

On the second day, the session on 'Good Initiatives under NULM' was delivered by Mr. Kisholay Das, State Mission Manager, DAY-NULM, Department of Housing & Urban Affairs, Government of Assam. The session emphasized on good initiatives undertaken under NULM at Assam state, which can be replicated in other states. He initiated the session by saying that DAY-NULM was implemented in the state of Assam in the year 2015-16 covering 25 District Head Quarter Towns and eventually it was expanded to 79 additional towns, making a total coverage of 104 towns in the state. He explained the components of NULM and stated that eradicating extreme poverty for all people everywhere by 2030 is a pivotal goal of the 2030 Agenda for Sustainable Development, which is in coherence with NULM objective to reduce the poverty and vulnerability. The current implementation status under NULM's Social Mobilization & Institution development (SM & ID) component in the state of Assam was discussed, where the information on number of SHGs formed, revolving fund support given to SHGs was shared. Moreover, 826 ALFs, 13 CLFs, and 20 CLCs were established in Assam state. He further explained good initiatives under taken under NULM at Assam state. Assam State has developed a simplified version of books of record for SHGs and

Components under DAY-NULM

Social Mobilization & Institution Development (SM&ID)

SN	Activities	Target fixed by MoHUA for 2022-23 (till Sept'22)	Progress in 2022-23	Cumulative Achievement
1	Formation of women Self Help Group (SHG)	468	1010	17,788 (New SHGs) 2058 (SISRY SHG revived under NULM Fold)
2	Revolving Fund support to SHGs (@ Rs. 10,000/-)	293	796	

- ◆ Total Area Level Federation (ALF) Formed : 826 nos.
- ◆ Total City Level Federation Formed : 13
- ◆ Total City Livelihoods Centre (CLC) established : 20 nos.

Mr. Kisholay Das, State Mission Manager, DAY-NULM, Department of Housing & Urban Affairs, Government of Assam addressing the participants.

translated these books in three local languages – Assamese, Bengali & Bodo and shared with SHG members. Another initiative explained was Community Resource Person (CRP) strategy developed. In all, 258 CRPs have been identified from active SHG members from Assam and are trained in collaboration with Mission for Elimination of Poverty in Municipal Areas (MEPMA), Andhra Pradesh for regular handholding support to SHGs. Thirdly, Swachhata Excellency Award was decided to be awarded to ALFs in selected cities of Assam under NULM. This activity was appreciated by the MoHUA, Gol.

He spoke on key initiatives undertaken under NULM in the state of Assam. On-boarding of SHG product and uniform branding of SHG products on E-commerce portal are the activities under SM & ID component of NULM. The MoHUA, Gol has developed a Brand Name 'SonChiraiya' and its logo to increase the market outreach of SHG products on e-commerce portals – Flipkart & Amazon from Assam state. The Secretary, MoHUA, Gol has officially launched the brand name and logo. Furthermore, 1518 SHGs involved in homemade mask making and produced more than 7.5 lakhs masks which were sold to ULBs, local shops, pharmacy, district administration, NGOs, police stations, ONGC etc. Besides, 492 SHGs distributed essential commodities among 28,255 most vulnerable families in different towns. These initiatives during pandemic developed livelihood opportunities and generated revenue for achieving sustainability.

He spoke on PM Street Vendor's AtmaNirbhar Nidhi (PM SVANidhi), the scheme to facilitate street vendors to access affordable working capital loan for resuming their livelihoods activities, after easing of lockdown. The COVID-19 pandemic and consequent lockdowns have adversely impacted the livelihoods of street vendors. They usually work with a small capital base, which they might have consumed during the lockdown. Therefore, credit for working capital to street vendors will be helpful to resume their livelihoods. As a special initiative, The State Government with a Cabinet Decision, waived off the stamp duty in hypothecation documents required for loans, so that, street vendors do not face any hassles or difficulties. The session concluded by describing the inclusive performance under components of NULM.

The last session on 'Convergence of NULM & SBM' was delivered by Dr. Manmohan Moharana, State Mission Manager, DAY-NULM, State Urban Development Agency (SUDA), Housing & Urban Development Department, Government of Odisha. The session emphasized on necessity of convergence of other flagship missions with NULM. He initiated the session by stating that NULM is being implemented in Odisha with SUDA as the nodal agency. He provided the implementation status under SM & ID of NULM at Odisha by stating the number of SHGs and ALFs formed and the number of ALFs received Revolving Funds (RFs). Further, the importance of community participation in convergence activities was explained. The Government of Odisha is envisioning the engagement of MSGs in looking after the rental housing complex, park management food cafe, etc. He also cited implementation status under other components of NULM at Odisha.

SMID Status		Community Participation in Convergence Activities	
SHG Formed :	35049	AAHAR Programme:	174
Beneficiaries :	3,50,490	SWM:	3344
SHGs involved in IGA :	25000 + (Manufacturing & Service)	FSSM:	54
ALF Formed :	1285	Community Toilet:	24
ALF Registered :	951	Jalsathis (Members) :	740
Master Trainers :	223	SUH :	8 ALFs
SHGs trained so far :	14711	MUKTA :	16,033
SHGs received RF :	21495		
ALFs received RF :	671		

Govt of Odisha is also envisioning the engagement of MSGs in looking after the Rental Housing Complex, Park Mgt.

Dr. Manmohan Moharana, State Mission Manager, DAY-NULM, SUDA, Housing & Urban Development Department, Government of Odisha addressing the participants.

Further, the emphasis is being given on convergence NULM and SBM by stating the need to strengthen the community engagement platforms for better and equitable sanitation and solid waste management outcomes. He talked on initiatives taken under convergence by mentioning about AAHAAR centres established in urban Odisha which are ISO certified. The O & M of AAHAAR centres is done through convergence of NULM & SBM. Besides Jalsathi programme was launched by the

State Government of Odisha for providing access to safe drinking water supply to all households. In all, 740 SHGs are engaged as Jalasathis to act as important community link between multiple stakeholders. He concluded the session by giving the examples of NULM & SBM convergence.

The Question and Answer session was conducted after the technical session. The trainers addressed the queries asked by the participants.

Summing-up

This web-based training programme was concluded by Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai by proposing a Vote of Thanks to the trainers/ subject experts and the participants after the feedback session.

Glimpses of the Web-Based Training Programme

SOCIAL MOBILIZATION & INSTITUTION DEVELOPMENT

- Represent SHGs and give them adequate voice across various levels e.g. ULB, state govts, banks, etc. **CLF**
- Association of SHGs for benefit of member SHGs, bank linkages and enhanced bargaining strength of SHGs. **ALF** (RF Support: Rs 50000 per ALF 2023 ALF where get the RF support till date in Maharashtra)
- Community Mobilisation for thrift & credit and empowerment. **SHG** (RF Support: Rs 10000 per SHG 71484 SHGs where get the RF support till date in Maharashtra)

Glimpses of Training on Product Standardization

Guwahati, Sivasagar, Nagaon, Mangaldai

Online Application

Prerequisites:

- SHG involved in food processing is linked to ALF
- Details of applicants including Aadhaar filled accurately in DAY-NULM MIS
- Aadhaar of applicant must be linked with Mobile Number
- Computer with webcam
- Functional mobile phone number of applicant/leader of enterprise.
- PDF of SHG declaration (Forms 1 & 2). File size <2mb.
- PDF of FSSAI license, if available. File size <2mb.
- GST registration number, if available.
- JPEG image of SHG Enterprise. File size <2mb.

1. 6,00,000 wage seekers benefitted

2. 44500 Projects worth Rs. 500 crores implemented

3. 160 cr wages paid

4. 18,500 SHGs/SDAs paid supervision charges worth

Regional Specialized Training Programme on

Swachh Bharat Mission – Urban 2.0

03rd - 04th November 2022 at Panaji, Goa.

Key Highlight

In this web-based training programme the participants came to know more about the role and strategies of ULBs in making cities garbage-free and water-secure by addressing the challenges in the implementation of SWM and management of waste water to ensure clean and healthy cities.

Background

Swachh Bharat Mission – (SBM) Urban 2.0, launched by the Prime Minister on 1st October 2021 with the overall vision of creating 'Garbage Free Cities', and management of grey and black water in the cities other than those covered under AMRUT, making all Urban Local Bodies (ULBs) ODF+ and those with a population of less than 1 lakh as ODF++ and, water+ to ensure that no untreated used water is discharged in open to pollute water bodies, thus achieving the vision of safe sanitation in urban areas. The Mission also focuses on source segregation of solid waste, utilizing 3Rs (reduce, reuse, recycle) through scientific processing of all types of municipal solid waste and remediation of legacy dumpsites for effective solid waste management.

The achievements under first phase of SBM – Urban need to be sustained in the long run with creation of adequate infrastructure, and their implementation needs to be accelerated further. Hence, SBM – Urban 2.0 focuses on garbage-free cities and sustainable sanitation. While observing India's journey in Solid Waste Management, it has been found that, the launch of SBM-U, coupled with the promulgation of SWM Rules 2016, Construction and Demolition (C & D) Waste Rules, Plastic Waste Management including reduction in single use plastic, and remediating all legacy dumpsites are among the major initiatives.

Considering this background, the Regional Centre for Urban and Environmental Studies (RCUES) of All India Institute of Local Self Government (AIIILSG), Mumbai organized a **Regional Specialized Training Programme on 'Swachh Bharat Mission - Urban 2.0' on 3rd - 4th November, 2022 at Panaji, Goa**. This training Programme was supported by the Ministry of Housing and Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

The key objective of this training programme was to understand the role of ULBs in making cities garbage-free and water-secure by addressing the challenges in implementation of SWM and management of wastewater to ensure clean and healthy cities.

Participation

In all, 64 participants comprising Chairpersons, Dy. Chairpersons, Elected Representatives, Chief Officers, Head of the Department - Health, Engineers of SWM Department, Engineers -



Participants during the training programme.

Maharashtra Jeevan Pradhikaran (MJP), Health Officers, Nodal Officers, City Coordinators, Sanitary Inspectors, Auditors, IEC Consultants, and other concerned municipal officials from the States of Maharashtra and Goa attended this training programme.

Introduction



Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

On the day one, Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai welcomed the participants. In the introductory session she mentioned the activities conducted by RCUES, Mumbai in training and research areas. Further she spoke about the programme coverage to be covered under the training programme. Two days programme included presentations, experience sharing, participatory activities and group work. The introduction was followed by inauguration of the programme.

Inauguration

The specialized training programme was inaugurated by Ms. Neelam Yedge, President, Malkapur Municipal Council, District Satara, Maharashtra in the presence of other dignitaries including Mr. Ramakant Naik, Chairperson, Canacona Municipal Council and Mr. Leo Rodriguez, Chairperson of Mormugaon Municipal Council from Goa State and Mr. Manohar Shinde, Vice President, Malkapur Municipal Council from Maharashtra State by lighting the lamp. In the inaugural address Ms. Yedge spoke about the strategies adopted by Malkapur Municipal Council for achieving 100% door-to-door collection of segregated waste with the help IEC techniques.



Ms. Neelam Yedge, President, Malkapur Municipal Council, Satara, Maharashtra inaugurating the training programme by lighting the lamp.

Technical Sessions

Ms. Jayalakshmi Chekkala, Project Manager, Maha-UWES-Coalition, RCUES, AILSG, Mumbai, Maharashtra delivered a session on 'Overview of Swachh Bharat Mission' (SBM)'. She spoke about the scenario of SBM in Indian cities by highlighting the strategies adopted and efforts taken by ULBs. She explained the objectives and components of SBM – Urban 2.0 and importance of working on a holistic plan of the city that addresses the entire vision of achieving garbage-free urban India and completing the remaining work by focusing on behaviour change for implementation of sustainable projects. She stressed on peoples' participation which is most effective medium to fulfil the vision of garbage-free cities.

She explained the mission strategies and plan of actions which are required to draw and submitted by ULBs. She highlighted the ways in which cities can achieve maximum impact considering the remaining time-duration of the mission. She spoke about the newly launched 'National Behaviour Change Communication Framework for Garbage Free Cities' which is supposed to serve as a guiding document and blueprint for States and Cities to undertake large scale multimedia campaigns along with intensive and focused inter-personal communication campaigns. She concluded the session by citing case studies of cities which have significantly improved their SWM system while implementing first phase of SBM from 2014 to 2019.



Mrs. Jayalakshmi Chekkala, Project Manager, Maha-UWES-Coalition, RCUES, AILSG, Mumbai addressing the participants.

In her next session she discussed 'Urban Rural Convergence under SBM – Urban 2.0'. The session addressed the development approach for urban rural linkage, based on leanings from pilot clusters of Indapur and Junnar of Pune district, Maharashtra State undertaken with support from Water Supply and Sanitation Department, Government of Maharashtra by Secretariat, Maharashtra Urban WASH-ES Coalition – A joint initiative of RCUES, AILSG, Mumbai and UNICEF Maharashtra. She explained the ways in which the ULBs can encourage infrastructure projects to be implemented on cluster basis to groups of neighbouring ULBs and rural

areas, so that common waste processing facilities are utilized efficiently. She further discussed the roles and responsibilities of ULBs and Gram Panchayats (GP) in undertaking Urban Rural Linkages for FSSM by highlighting possible issues and challenges. She informed that this approach can further evolve and can be contextualized as per the need and situations in the districts.

Dr. Ketana Matkar, Founder & Managing Director, Cipher Environmental Solutions LLP, Thane, Maharashtra discussed 'Sustainable Solid Waste Management in Cities under SBM - Urban 2.0'. This session began with a brief discussion on the SBM - Urban 2.0 - Operational Guidelines October 2021 which focused on the progress achieved under the implementation of Phase I of SBM-U by highlighting the increment of SWM treatment from 18 to 70 percent, door-to-door collection 97 percent and source segregation of 85 percent after the implementation started in 2014. She discussed the ways in which ULBs can influence citizens for increasing their segregation percentages. She urged participants to make rigorous and continuous efforts to implement the innovative methods of waste management with sustained impacts. Further, she focussed on source segregation which is a fundamental and non-negotiable condition for sustainable waste management. She stated that efficient source segregation is necessary for the cities to treat their waste scientifically and reduce dumping in landfills, prevent land, water, and air pollution; and achieve economic benefits from processing waste. In the context of sustainable SWM, she discussed traditional as well as current waste management practices and highlighted need to avoid wastage of energy and material. She also



Dr. Ketana Matkar, Founder & Managing Director, Cipher Environmental Solutions LLP, Thane, Maharashtra addressing the participants.

elaborated upon zero waste concepts and circular economy model which directly support garbage free city and indirectly support SBM-U 2.0. She mentioned names of the cities where best practices on source segregation are implemented with residents and other stakeholders support, i.e., Allappuzha in Kerala State, Panaji in Goa State.

She also spoke about the utilization of plastics in daily life which are thrown easily into dustbin and mixed in garbage. She pointed out the habits which badly affect the environment. She stressed on plastic waste management and ULBs role. She focussed on remedial measures that should be adopted by the cities for tackling pollution which include legal provisions and their applications, imparting awareness about the risk and hazards of plastic through ULBs, making efforts for behaviour change by consumers, 100% achievement on segregation process and recycling of waste by adopting suitable technologies and effective partnerships among other stakeholders. She cited the examples of Gangtok, where they adopted and implemented a strategy of banning use of plastics to minimise the adverse impact on environment and health hazards of plastic waste pollution, as in Bicholim in Goa state – where focus was on managing non-biodegradable waste to reduce the impact of plastics on the environment.

In concluding remarks, she mentioned the legitimate provisions for effective enforcement of ban on identified Single Use Plastic (SUP) items from 1 July 2022 which include setting up of national and state-level control rooms and special enforcement teams formed for checking illegal manufacture, import, stocking, distribution, sale and use of banned SUP items.

Mr. Anand Jagtap, former Officer on Special Duty, Brihanmumbai Municipal Corporation (BMC), Mumbai, Maharashtra conducted his session on 'Importance of IEC and Stakeholders' Participation in Implementation of SBM – Urban 2.0' by highlighting National Behaviour Change Communication (BCC) framework to strengthen the Jan Andolan for Garbage Free Cities and IEC Drives. He advocated the IEC & BCC activities which ensure awareness creation along with large-scale citizen outreach. Further he elaborated on BCC by stating its features of providing supportive environment which enables

people to initiate and sustain positive behaviour to take action.

He shared his experiences of slum sanitation programme implemented in various wards of Mumbai, with an objective to improve the health and environmental conditions of the slum dwellers through the provision of sustainable sanitation facilities. IEC techniques have been used through cleanliness messages painted on the walls, through hoardings and by conducting awareness campaigns in slums by organizing awareness programmes with the help of NGOs. He concluded his session by citing examples of good practices in SWM and sanitation.



Mr. Anand Jagtap, former Officer on Special Duty, Brihanmumbai Municipal Corporation (BMC), Mumbai, Maharashtra addressing the participants.

Mr. Manohar Shinde, Vice-President & Chairman, Water Supply and Sanitation Committee, Malkapur Municipal Council, District Satara, Maharashtra, in his session discussed on the topic of 'ULBs' Approach in making Cities Garbage Free' by highlighting on good initiatives implemented by the city administration. He began his session with a brief description about the geographical, demographic, socio-economic information and by highlighting pre project scenario, key issues, and challenges of SWM that existed in Malkapur city. He said that they started implementation of SWM project by making availability of land through reservation for installing various SWM plants in different wards. He talked about SWM operations conducted by SWM functionaries in a methodical manner. He

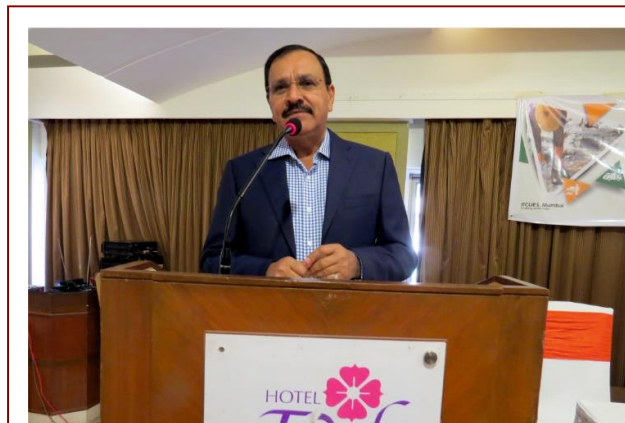
highlighted workings of compost plant of organic waste - kitchen waste, using rotary type curing system to produce manure as also those on the bio methanation plant and solar roof top energy plant and recycling plant of inorganic waste.

While concluding session, he informed the participants about various central and state level awards received by the ULB for the good initiatives implemented under SWM and declaration of ODF++ city.

On the day two, Mr. C. R. Kharsan, Dy. Municipal Commissioner, Ahmedabad Municipal Corporation (AMC), Gujarat, in his session discussed on 'Sustainable Sanitation in Cities under SBM-U 2.0'. He spoke about the strategy adopted by Ahmedabad city for achievement of bin-free city declared in October 2018. He said that at the beginning, awareness campaigns were organised by



Mr. Manohar Shinde, Vice - President & Chairman, Water Supply and Sanitation Committee, Malkapur Municipal Council, District Satara, Maharashtra addressing the participants.



Mr. C. R. Kharsan, Dy. Municipal Commissioner, Ahmedabad Municipal Corporation (AMC), Gujarat addressing the participants.

conducting trainings for the sanitation staff and other stakeholders. Through training and regular follow up by the officers of the Corporation, they achieved success in spreading social awareness. He stressed on people's participation which is a crucial factor of holistic approach towards implementation of the mass drive of any project.

At the end of the session, he mentioned about Swachh Sabarmati Maha Abhiyan organised by the AMC in which more than 60,000 citizens, NGOs and other stakeholders participated and more than 450 MT waste collected.

Group Exercise

A group exercise was conducted on the subject of Feasibility & Planning for Urban Rural Linkages in which participants were divided into groups comprising different cities. The groups were asked to prepare a plan of action based on the sessions taken in the programme, through which Urban Rural Convergence under SBM - Urban 2.0 can be achieved by ULBs. Participants actively participated in sharing ideas to develop the SWM plan. A token of appreciation was given to the best strategy adopted for preparing urban rural linkage SWM plan with existing infrastructure with an aim to achieve garbage free city.



Participants felicitated for best group work and presentation.

Site Visit



Participants during the site visit at Bicholim Dry Waste Plant and Material Recovery Centre, Goa.

A site visit was organised at Bicholim dry waste plant and material recovery centre to observe the plant where solid waste operations are managed through urban rural linkage. This Plant is operated by Goa Waste Management Corporation (GWMC) in collaboration with Hindustan Coca-Cola Beverage Pvt. Ltd. (HCCB), United Nations Development Programme (UNDP), Ministry of Housing and Urban Affairs (MoHUA), Government of India with State Corporations for addressing challenges through Prithvi (a unique programme on sustainable plastic waste management practices). This initiative is

designed to minimise the impacts and risks of plastic waste to the environment and to human health.

Participants visited different parts of the plant including sorting centre, processing unit, bailing, and compressing operations, control room, electricity generation unit. Mr. Uddesh Naik, In charge of the plant, briefly explained the entire operation of waste management. He informed that this initiative is designed to formalize a decentralised integrated processing of plastics through the field implementing partners Sampurna (e)arth and Material Foundation Goa (MFG) to help and strengthen the roadmap for Zero Waste Goa. GWMC and Bicholim Municipal Council have given space for establishing the Swachhta Kendra for collecting waste from 3 Municipal Councils and 30 Panchayats and then scale it up to the rest of the city. To support marginalized Safai Sathis, bank linkages, insurance and other security services are provided with the purpose of their institutionalisation. This site visit was a learning experience for the participants.

Summing-up

At the end of the programme, certificates were distributed to the participants. This training programme was concluded by proposing a Vote of Thanks to the resource persons and participants by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AIILSG, Mumbai.

Glimpses of the Specialized Training Programme



Regional Specialized Web-Based Training Programme on

Role of Elected Representatives in Implementing Missions and Programmes

10th - 11th November 2022

Key Highlight

The participants came to know more about the crucial role to be played by Elected Representatives (ERs) in implementing various missions at city level so as to involve the ERs more and more in implementation of the missions. They also exchanged experiences of achieving synergy with other stakeholders for effective implementation of the development programmes.

Background

The Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI) is implementing various flagship missions and programmes, such as Swachh Bharat Mission - Urban 2.0 (SBM-U 2.0), National Urban Livelihoods Mission (NULM), Pradhan Mantri Awas Yojana - Urban (PMAY-U), Smart City Mission (SCM), Atal Mission for Rejuvenation & Urban Transformation - 2.0 (AMRUT - 2.0) to promote sustainable and inclusive cities that provide core infrastructure and give a decent quality of life to its citizens, a clean and sustainable environment, sustainable livelihoods and application of 'Smart' Solutions.

The collective city level efforts of Urban Local Bodies (ULBs) along with the multiple stakeholders in creating synergies for effective implementation of the said missions and programmes is an added impetus for sustainable development and effective urban governance. The elected representatives play key role in implementing these missions at ward / community level.

The Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai conducted a **Regional Specialized Web-Based Training Programme on 'Role of Elected Representatives in Implementing Missions and Programmes' on 10th - 11th November 2022**. This training programme is supported by the MoHUA, GoI.

Key Objective

The key objective of this training programme was to discuss the significant role of the elected representatives in creating synergy with ULBs in implementing various missions and programmes for effective service delivery and sustainable development.

Participation

In all, 64 participants comprising Chairpersons, Ward Commissioners, State Mission Managers, City Mission Managers, City Project Managers, City Project Officers, Community Organizers, Assistant Project Officer, City Coordinators from the states of Maharashtra, Rajasthan, Assam and Tripura attended this training programme.

Introduction

At the outset, Ms. Neha Hardikar, Sr. Research Officer, RCUES, AIILSG, Mumbai initiated this online training programme by welcoming Chief Guest, Dr. Jairaj Phatak IAS (Retd.), Director General, AIILSG, distinguished subject experts and the participants. She gave the background of RCUES, Mumbai and its working and talked on importance of elected representative's involvement in effective implementation of Government of India's flagship missions. They are in a position to play a pro-active role in developing synergies with multiple stakeholders, who are involved in implementation of missions and programmes in cities.

Inauguration

Dr. Jairaj Phatak IAS (Retd.), Director General, AIILSG inaugurated this training programme. In his inaugural speech, he stated that India is the largest democracy in the world which runs through its representative democracy and makes the role of elected representatives far more important. Elected representatives act as a catalyst between the ULB administrators and citizens. As per the 74th Constitutional Amendment Act (CAA), the elected representatives need to play a crucial role in development planning at city level. They are the mediators in developing synergy with ULB functionaries. They are expected to show keen interest in providing information regarding government schemes and other programmes to the citizens in order to avail benefits of the schemes. He said that during COVID times, ERs involved themselves remarkably well at ward / city level. They promoted vaccination drive effectively by encouraging citizens to take vaccination during COVID times. He further said that ERs are the facilitators to reach out to urban poor for availing benefits of government schemes, launched especially for the urban poor. ERs are key stakeholder in developing infrastructure in water sector as they are aware of needs of people in water sector at ward level. In the end, he wished a success to the training programme.



Technical Sessions

The inaugural address was followed by the technical sessions. The first technical session on the 'Role of Elected Representatives (ERs) in Effective Implementation of SBM-U 2.0 at City Level' was delivered by Mr. Arvind Kumar Singh, Head (Water and Sanitation), Urban Management Centre (UMC), Ahmedabad, Gujarat. The session was focused on importance of waste segregation at source and Garbage Free Cities (GFC) star rating. Mr. Singh spoke on achievements in phase-I of SBM-U by mentioning Open Defecation Free (ODF) status of the cities and stated that almost 4320 cities (99%) out of 4372 cities became ODF across the country. Besides, 96% cities achieved door-to-door waste collection across the country. He then talked on expected outcomes of SBM-U 2.0, according to which, all statutory towns have to become at least ODF+, all statutory towns with less than 1 lakh population have to become at least ODF++, at least 50% of all statutory towns with less than 1 lakh population have to become Water+ and all statutory towns are to be certified at least 3-star Garbage Free, or higher. He explained that in achieving sustainable sanitation and used-water management under SBM-U 2.0, elected representatives need to play significant role in developing synergy with administrative officials at ULB level. ERs can encourage citizen participation in huge scale and create awareness about importance of cleanliness. They are the entity to resolve public grievances. They can play effective

role in a number of practices including (a) the ban on Single Use Plastic (use, sale and storage), (b) supporting ULBs in notification, enforcement and fine collection, (c) imposing user fees for door-to-door waste collection, (d) emptying / desludging of septic tanks, (e) mandating provision and use of Personal Protective Equipment (PPE) for all sanitation workers, including informal waste workers, (f) monitoring the Swachh Ward Ranking and other Swachhata competitions essentially organized by ULBs, (g) identification of Swachhata Brand Ambassador and Swachhata Champions, and (h) Information, Education Communication (IEC) and in bringing about Behaviour Change (BC).



Mr. Arvind Kumar Singh, Head (Water and Sanitation), UMC, Ahmedabad, Gujarat addressing the participants.

He further said that involving citizens in solid waste management system needs knowledge and behavioral change towards the management of solid and liquid waste. The human behavior transformations need continuous association and follow up with the target audience. ERs can closely intervene by taking a lead to ensure larger citizen participation. He also spoke on ERs' approach towards making cities 'Garbage Free'. ERs can create awareness generation among citizens' for effective source segregation at Household (HH) level, advocacy for decentralization of waste processing at ward / zone level. They can

identify land, and process of approval for setting up waste processing unit and also can encourage bulk waste generators for on-site waste processing. ERs can encourage citizens for timely payment of waste collection fees levied by ULBs. They can support administrators in effective implementation of the programmes on ground by taking a lead in IEC and BC drives for effective implementation of the missions at ULB level. He concluded the session by depicting the pictures of cleanliness drive, Swachhata run etc., where ERs are seen playing a pivotal role in implementation.

The next session on 'Role of Elected Representatives in Providing Effective Service Delivery to Citizen at ULB Level under AMRUT - 2.0' was delivered by Mr. Devendra Dhapola, WASH Expert, New Delhi. The emphasis was given in the session on stepping towards AatmaNirbhar Bharat with aim of making the cities 'water secure' and providing functional water tap connections to all households. He initially informed the participants about status of AMRUT phase-I. The prerequisite for AMRUT - 2.0 was emerged to holistically address the issues of water conservation, irrigation, rainwater conservation, rejuvenation of water bodies, desalination of seawater, and treatment of wastewater. He highlighted the role of ERs in implementing AMRUT - 2.0 by stating that ERs can be involved in decision making at ward / ULB level as they represent their wards and are well aware about the issues and challenges in their wards.

He further said that universal coverage of water supply, sewerage, septage management and recycle / reuse of treated used water, rejuvenation of water bodies (including urban wetland) and creation of green spaces are the thrust areas focused on improving



Mr. Devendra Dhapola, WASH Expert, New Delhi addressing the participants.

sustainability and efficiency in water sector. ERs can support ULB officials by facilitating and ensuring citizen participation to achieve water security and sustainability. It was also discussed that Behaviour Change Communication (BCC) is envisaged as a key strategy for spreading awareness on conservation of water. Moreover, ULBs with support from ERs can submit detailed City Water Balance Plans (CWBP) and City Water Action Plans (CWAP) through online portal covering proposed projects in the thrust areas under AMRUT - 2.0. He further said that the mission has a reform agenda on ease of living of citizens through reduction of non-revenue water, recycling of treated used water, rejuvenation of water bodies, and strengthening urban finance, etc. ULB administrators can take support from ERs in implementing reform agenda through augmenting citizen participation. In the end, the significance of evidence based evaluation pooled with citizen feedback by using online monitoring platform was explained.

The next session on 'Role of Elected Representatives in Effective Implementation of Pradhan Mantri Matru Vandana Yojana (PMMVY)' was delivered by Ms. Avani Mulye, Research Associate, RCUES, AILSG, Mumbai, Maharashtra. The session was focused on implementation of PMMVY and role of ERs in implementation. Ms. Mulye presented an overview of the scheme by stating its objectives, eligibility criteria, benefits to the beneficiary and documents required for availing benefits of the scheme. She further explained registration process, right from application up to payment release to the beneficiary. Initially, Accredited Social Health Activist (ASHA) workers assist beneficiaries in filling the form and forward them to the Auxiliary Nurse Midwife (ANM) for its verification. After verification, ANM forwards the applications to the Medical Officer for the approval. The Medical Officer updates the details of the beneficiaries on PMMVY after the verification. The verified beneficiaries get registered to the scheme. At the end, the State Nodal Officer verifies the list and approves payment through Public Financial Management System (PFMS). The payment releases through an ESCROW account directly to the beneficiary's account.

The implementation process at community, Health Post and Ward levels was explained. Community Health Visitors (CHVs) /ASHA workers conduct survey to identify beneficiaries and assist them in collating documents and filling forms at the community level.



She also talked on challenges in implementation of PMMVY like lack of comprehensive information about the scheme, unavailability of documents like updated Aadhar / bank account etc., which delay the process, enrollment rate is very low since the beginning indicating difficulties with registration or verification process. Besides, women do not reveal pregnancies due to lack of awareness and cultural practices. ERs can play crucial role in effective implementation of the scheme and help citizens to avail maximum benefit of the scheme in a transparent manner.

Further in the session, she highlighted the role of ERs in implementation of various government schemes and programmes by stating that ERs can conduct awareness camps for these schemes and programmes and through distribution of IEC materials. She concluded the session by speaking on the significant role of ERs in effective implementation of PMMVY in synergy with other stakeholders involved in the implementation process.

The next session on 'Role of Elected Representatives in Community Sanitation & FSSM in Cities' was delivered by Ms. Jayalakshmi Chekkala, Project Manager, Secretariat, Maha-UWES-C, RCUES, AILSG, Mumbai, Maharashtra. She initiated the session by presenting an overview of SBM-U 2.0. The mission strategies and expected outcomes were discussed. While explaining mission strategies, she mentioned about Jan Andolan, Swachhata Standards, Capacity Building and Urban-Rural convergence where ERs can be effectively involved in successful implementation of these strategies.

In order to participate in SBM-U 2.0, a few entry conditions are required to be mandatorily fulfilled by States / UTs and ULBs. They are aligning property tax floor rates with market rates, with periodic revisions in line with GSDP as recommended by 15th Finance Commission (FC), levy and collection of user charges for services provided, to recover operational costs with periodic increase, and adoption of PFMS by all ULBs. The 10 step potential approach to be undertaken by authorities in establishing urban and rural linkages in FSSM was explained. This included mapping of potential clusters at appropriate distance from urban FSTPs, appropriate institutional mechanism, necessary consultations with relevant stakeholders and aspects of MoU between urban and rural authorities etc.

Benefits of Urban Rural Conversions under SBM (U) 2.0-FSSM

- Provision of a desludging and treatment mechanism for septage generated by rural households, reducing open disposal of sewage and percolation of untreated sewage in the ground. Addressing infection prevention and control by envisaging gradual reduction in groundwater pollution, which in turn affects drinking water sources.
- NGT compliance against open disposal of sewage
- Cost effective model as caters to operation and maintenance recovery of urban FSTP. Optimum utilization of existing urban infrastructure. Elimination of capital and operations and maintenance cost of Gram Panchayats no new infrastructure and associated costs needed like construction costs, expertise for design, human resources for maintenance, land for construction etc.
- Moving towards scheduled desludging.

Ms. Jayalakshmi Chekkala, Project Manager, Secretariat, Maha-UWES-C, RCUES, AILSG, Mumbai addressing the participants.

She further explained the role of ERs in implementing community sanitation and FSSM in cities by stating that ERs can promote urban rural convergence. They can conduct meetings with rural counterpart and can hold discussion on desludging charges of household / CT / PT / Institutions. The session was concluded by emphasizing that ERs can support in the formation of urban-rural clusters and developing IEC activities to promote urban rural linkages.

On the second day, the session on 'PMAY and Role of Elected Representatives in Its Implementation' was delivered by Ms. Tithi Soladhara, Visiting Professor, Centre for Environmental Planning & Technology (CEPT) and Nirma University, Ahmedabad, Gujarat. Ms. Soladhara initiated the session by focusing on estimation of housing shortage. She said that the Federation of Indian Chambers of Commerce & Industry (FICCI) estimates that

Agencies to plan and implement at state level

- State Nodal Agencies (SLNA)**: Nodal Agencies Designated by the State Governments for implementing, coordination and reform related activities of the mission
- State Level Sanctioning and Monitoring Committee (SLSMC)**: Headed by Chief Secretary for approval of action Plans and DPRs
- City Level Mission**: Under chairpersonship of Mayor/Chairman for approval of action Plans, Projects and implementing, coordination and reform related activities of the Mission
- Implementing Agencies**: Urban Local Bodies, Development Authorities, Housing Boards etc. which are selected by State Governments/ SLSMC for implementing HFA
- Grievance Redressal Mechanism**: To be established at city/ state level with web based consolidation at MoH/UPA level mission

Ms. Tithi Soladhara, Visiting Professor, CEPT and Nirma University, Ahmedabad, Gujarat addressing the participants.

by 2050, the country's cities would witness a net increase of 900 million people. Furthermore, over 2012-2050, the pace of urbanization is likely to increase at a Compound Annual Growth Rate (CAGR) of 2.1 percent. Henceforth, the PMAY (U) mission will seek to address the housing requirement of the urban poor including slum dwellers through its verticals. Further, major components of PMAY – Housing For All (HFA) were explained. The effective role of ERs in implementation process was described. ERs play vital role in demand assessment and validation of beneficiaries, categorization of

intended beneficiaries amongst available options, and preparation of HFA Plan of Action (HFAPoA) based on above assessment during implementation process at ward level.

She further stated that states are required to engage Third Party Quality Monitoring Agencies (TPQMA) to ensure quality of construction under various components of PMAY. States also need to draw up quality monitoring and assurance plans. The quality monitoring plans are submitted for approval of Central Sanctioning and Monitoring Committee (CSMC) after due approval of State Level Sanctioning and Monitoring Committee (SLSMC). ERs can be involved in monitoring, quality assuring and sanctioning process to ensure inclusion of beneficiaries in their respective municipal wards. ERs also can be involved in social audits as they are closely connected with citizens of their municipal wards. She further said that project implementation and, coordination can be done through ERs in their respective cities. The session was concluded by emphasizing that ERs can play a crucial role in facilitating synergy between ULBs, PMAY functionaries and private stakeholders in effective implementation of various components under PMAY.

The last session on 'Role of Elected Representatives in Developing Synergies with Stakeholders for Effective Implementation of NULM' was delivered by Mr. Mayank Mishra, National Mission Manager, DAY-NULM, Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI), New Delhi. Mr. Mishra initiated the session by stating that urban poverty alleviation is done through building social capital, skill training, creation of micro-enterprises, support to street vendors and shelters for urban homeless. In the process, the special emphasis was given on women and youth. Community mobilization through Self Help Groups (SHGs) can be achieved through involvement of ERs. ERs can also support in loan sanctioning under microfinance and subsidized credit, creating shelter spaces for urban homeless, identifying street vendors and including them in biometric surveys etc. Moreover, majority of beneficiaries have been assisted for setting up of Individuals / Groups micro enterprises and for availing loans to SHGs under Bank Linkages across the country. ERs play a key role in encouraging SHG members in facilitating microenterprises under Self Employment Programme (SEP) of NULM.

City Livelihood Centres (CLCs) established under the mission, provide easy access to information and business support services as and when needed by the urban poor. The CLCs also help in marketing goods and services produced by the urban poor to customers in an organized manner i.e. they bridge the gap between demands and supply, help SHGs to market products and services through e-commerce portals. ERs can be effectively involved in implementing such activities. He added that as of now, more than 520 CLCs have been established under the Mission.

The session was concluded by sharing role of ERs during COVID times and further stated that they were involved in the COVID initiatives such as distribution of essential items, masks, sanitizers, awareness programs on COVID appropriate behaviours and vaccination, facilitating community kitchen etc. in their respective municipal wards at city level. They have successfully implemented activities at ward level.

Building Social Capital through a 3-tier Community Structures

- Total CLF- more than 1,000
- Total ALFs- 22,635
- Revolving Fund Support of ₹ 50,000 to more than 15,296 ALFs
- RF Support of ₹ 10,000 to - more than 4.8 lakh SHGs

Mr. Mayank Mishra, National Mission Manager, DAY-NULM, MoHUA, GoI, New Delhi addressing the participants.

Summing-up

This online training programme was concluded by Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai by proposing a Vote of Thanks to the subject trainers / experts and the participants after the feedback session.

Glimpses of the Web-Based Training Programme

Segregation at Source of Municipal Solid Waste

Categories of waste segregation at source

- Wet Waste
- Dry Waste
- Domestic Hazardous
- E Waste

Pradhan Mantri Matru Vandana Yojana (PMMVY)

A Centrally Sponsored Scheme launched in 2017 by Ministry of Women and Child Development and implemented by Public Health Department within the state

PAiSA Portal

- Portal for Affordable Credit and interest Subvention Access (PAISA)
- Launched – November 2018
- Common web-based online Platform for Banks, ULBs and States
- Realtime processing, payment, monitoring and tracking of subvention in DBT mode, on monthly basis
- Received Skoch Gold Award for Governance on 29th August 2019

359	Banks onboarded
₹ 277 Cr	Interest Subvention paid
4.60 lakh	No. of beneficiaries served

Alleviating urban poverty by building social capital, skill training, creation of micro-enterprises, support to street vendors and shelters for urban homeless

Special emphasis on women & youth

1	Community mobilization - Sites	No. of Women mobilized	7.7 lakh	78.1 lakh
2	Skill Trained	Placed	12.8 lakh	6.7 lakh
3	No. of Microfinance and Subsidized credit	Amount of Loan sanctioned	13 lakh	₹ 54,677 Cr
4	Shelters for the urban homeless	Creation of shelter space	1,695	1.2 lakh
5	Street vendors Identified	Certificate of Vending	49.5 lakh	30.8 lakh

Regional Specialized Web-Based Training Programme on

Role of CBOs / NGOs / SHGs in WASH

25th November 2022

Key Highlight

In this web-based training programme the participants were updated about the knowledge of formulation of strategies to effectively implement the sustainable WASH interventions for spreading healthy practices in cities and the important role played by NGOs, CBOs and SHGs for making the efforts successful.

Background

Rapid urbanization in our country is putting immense strain on Urban Local Bodies (ULBs) to provide clean water and sanitation services to over 300 million people residing in urban areas. The consequences of rapid urbanization on public health are exhibited by the high rates of stunting, malnutrition, and death from water-borne diseases evident across India. The WASH (Water, Sanitation and Hygiene) initiatives has been taken by various countries in order to provide safe drinking water, sanitation facilities, sustainable environment and livelihood to their citizens by 2030.

NGOs and CBOs have emerged as an institution for the management of development projects by creating awareness, mobilization of communities and ensuring their involvement in various areas of development including environment protection, education, health, poverty, women empowerment, child protection, social justice, and human rights, etc. Self-Help Groups (SHG) which are the grassroot level associations, are supported by CBOs and NGOs so that they perform their economic collective ventures effectively, by way of targeting communities' social, economic and physical upgradation, better service delivery, advocacy and community empowerment. COVID-19 pandemic has shown that NGOs, CBOs and SHGs have rose to the occasion and played their active role in combating challenges by providing basic necessities to the underprivileged with relief of medical and protective gear and assisting with awareness campaigns on physical distance. It is imperative that ULBs strengthen WASH interventions through the lens of urban development strategies in the form of NGOs and CBOs partnership to meet the existing gap at city level to make cities healthy and liveable.

With this background, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIIILSG), Mumbai organized a **Regional Specialized Web-Based Training Programme on 'Role of NGOs / CBOs / SHGs in WASH' on 25th November 2022**. This training programme was supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

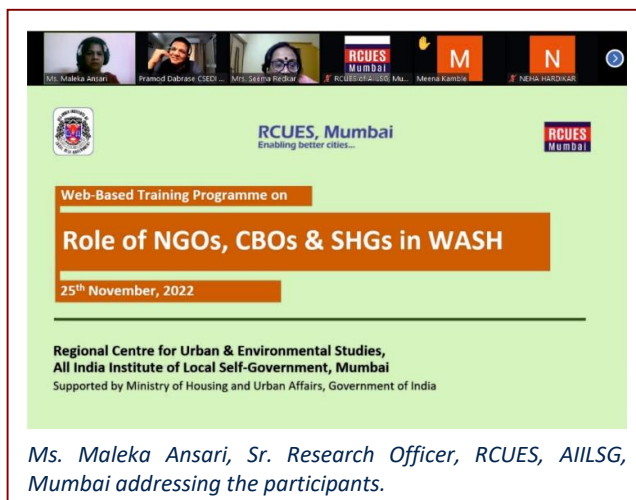
The key objective of this training programme was to encourage ULBs and other stakeholders to strengthen WASH services in urban areas to make cities healthy and liveable places.

Participation

In all, 28 participants comprising Elected Representatives, Chief Officers, City Mission Managers, Project Managers, Officer on Special Duty - Health Department, Community Organizers, Representatives of NGOs and concerned Municipal Officials from the States of Maharashtra, Rajasthan, Goa and Gujarat attended this training programme.

Introduction

The web-based training was started by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai by welcoming the distinguished trainers and the participants. She explained the objectives of the training programme and encouraged participants to recognize the strategies adopted to strengthen the sustainable WASH initiatives across cities. She pointed out that WASH interventions is a new approach in urban and rural areas of India on account of lack of minimal WASH facilities which exposes the people to various health hazards. She further highlighted that the WASH interventions require strong national policies, financial systems and monitoring in order to be sustainable, resilient and accountable.



Technical Sessions

The first session on 'City Level Approach in Implementation of WASH - Role of NGOs, CBOs and SHGs' was conducted by Dr. Gayatri Jariwala, Asst. Municipal Commissioner, Surat Municipal Corporation (SMC), Gujarat. She began the session with a brief explanation about WASH by highlighting the practices of personal hygiene essential for healthy life. She referred to Goal 6 of SDGs which enjoins ensuring availability and sustainable management of water and sanitation for all.



Further she discussed case study of Surat city by highlighting the previous unhygienic conditions of slums across cities, WASH interventions help to improve hygiene and health conditions and reduce morbidity and mortality rate among the urban poor children. At the initial stage SMC's health department promoted importance of hand hygiene to spread healthy practices among the targeted group. She stated that it is the single most important measure for preventing the spread of infection by highlighting the correct methods of hand washing (particularly tips of fingers) and the adverse effects that the unclean hands cause on human health.

She also discussed the healthy habits developed across the city with the support of NGOs, CBOs, SHGs by implementing awareness drives about the hygienic practices in a convergent manner. Training programmes and awareness drives were organized to sensitize stakeholders in various parts of the city for convincing the beneficiaries about importance of WASH. While concluding the session, she explained the need to change some habits which directly lead to a healthy life.

The next session on 'Role of NGOs, CBOs and SHGs in WASH' was conducted by Mr. Pramod Dabrase, Environmental Scientist, Chief Executive, Centre for Sustainable Environment & Development Initiatives (CSEDI), Navi Mumbai, Maharashtra. Beginning his session, he explained WASH as an approach to improved sanitation facilities and good hygiene practices which are highly interconnected

with grass root level institutions for achieving sustainable outcomes because their engagement in each stratum of society relates to sanitation work, he said. He explained how convergence and partnership with multiple stakeholders in conformity with government initiatives and priorities is significant in effective delivery of WASH services.

He suggested ULBs to assess the contribution made by NGOs, CBOs as they work like an extended arm of the ULBs, deliver a range of functions with cost effectiveness, operate competitively and with high levels of transparency and they also make efforts for strengthening community participation. At the end of the session, he insisted ULBs to strengthen WASH practices to create healthy environment of their city.

Mr. Pramod Dabrase, Environment Scientist, CSEDI, Navi Mumbai, Maharashtra addressing the participants.

In the last session, Ms. Seema Redkar, former Officer on Special Duty, SWM, Brihanmumbai Municipal Corporation (BMC), Mumbai, Maharashtra discussed 'Role of NGOs, CBOs and SHGs in WASH'. She began the session by speaking about the scenario as existed due to lack of access to safe drinking water and sanitation facilities. She presented some key facts which inter alia show that worldwide, 2.2 billion people still lack access to safe drinking water. Further, she added that as quoted by UNICEF in the year 2000-2001, more than half of the global population does not have access to safe sanitation, three million people do not have access to handwashing facilities with soap, 673 million people practice open defecation. She then discussed the consequences of unsafe water, as lack of sanitation and hygiene (WASH) to children proves to be hazardous. She spoke about the scenario of vulnerable group affected by illnesses, shorter lives, producing and earning less, and unable to afford education and stable future for their children. She explained the inter-linked connection among WASH services and NGOs, CBOs and SHGs by highlighting their important roles in attempting to plug gaps in the government's programmes and reach out to sections of people who are often left untouched by state projects.

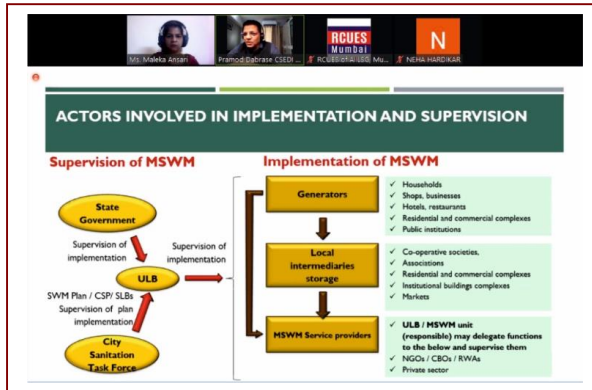
Ms. Seema Redkar, former Officer on Special Duty, SWM, BMC, Mumbai, Maharashtra addressing the participants.

By prioritizing issues of community through community dialogue and identification alternative solutions, CBOs help in planning, designing, implementing WASH initiatives. Similarly, SHGs groups which work at micro level and have better knowledge of the community is a potential group for implementing WASH intervention. Effective community engagement strategy is important for both decision-makers and the public. She suggested ULBs to make efforts for strengthening community participation. The main purpose is to identify and support, the poor, the marginalized and vulnerable sections in the communities. She also cited examples of projects completed which brought about improvement in sanitation projects and environmental projects including vermi-composting, ground water recharge by rainwater harvesting etc.

Summing-up

After taking the feedback and Question & Answer session, the training programme was concluded by proposing a Vote of Thanks to the trainers and the participants by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai.

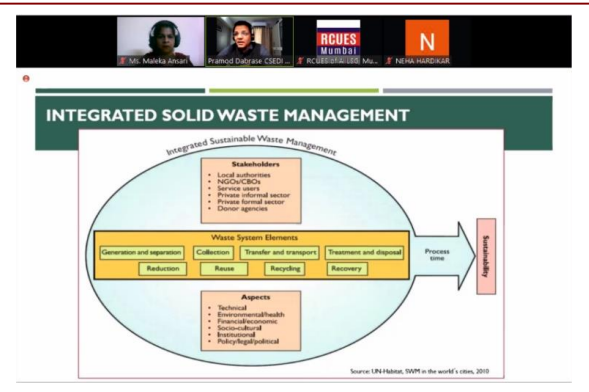
Glimpses of the Web-Based Training Programme



Training of Hand sanitation at i.c.d.s department

- Workers of I.C.D.S department of Surat Municipal Corporation started to give training of hand washing and hand sanitation to Anganwadi Children and their mothers.

All the little children happily took part in self hand wash activity.



Regional Specialized Web-Based Training Programme on

Atal Mission for Rejuvenation and Urban Transformation 2.0

29th - 30th November 2022

Key Highlight

In this web-based training programme the participants were informed of the latest updates on AMRUT 2.0 and they came to know more about the strategies to adopt PPP model for water supply and recycling of wastewater projects.

Background

On 1st October, 2021, Government of India launched “Atal Mission for Rejuvenation and Urban Transformation (AMRUT) - 2.0” with the objectives to create water-secure cities, providing universal coverage of water supply in all the statutory towns and 100% coverage of sewerage/ septage management in 500 AMRUT cities through circular economy of water as a step towards AatmaNirbhar Bharat for achievement of the targets up to 2025-26. A robust technology-based portal for monitoring is planned by adopting projects based on geo-tagged strategy, where cities can assess their water source, consumption, future requirements and water losses through a city water balance plan. PeyJal Survekshan is introduced in order to encourage competition amongst cities for benchmarking urban water services and incentivize mobilization of market finance by mandating implementation of 10% worth of projects in cities with population above ten lakhs, through Public Private Participation. For effective implementation of projects, Information, Education and Communication (IEC) campaign is undertaken to spread awareness among the public about water conservation. In this way, efforts are being made to make ULBs equal partners in planning and implementation of projects. A sound institutional structure is a foundation to successful missions. Hence, capacity building programs and a set of reforms have been included in it. Reforms lead to improvement in service delivery, mobilization of resources and making municipal functioning more transparent and accountable, while capacity building will empower municipal functionaries and lead to timely completion of projects.

Considering this background, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai organized a **Regional Specialized Web Based Training Programme on 'Atal Mission for Rejuvenation and Urban Transformation (AMRUT) 2.0' on 29th - 30th November 2022**. This training programme was supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

The key objective of this training programme was to discuss the role of ULBs in making the cities AatmaNirbhar and Water-Secure under AMRUT 2.0.

Participation

In all, 21 participants comprising Elected Representatives, Executive Officers, Head of the Department – Health, Municipal Engineers, Project Managers, Nodal Officers, Urban Planners and Representatives of NGOs from the States of Maharashtra, Gujarat, Rajasthan, Goa, and Assam attended this training programme.

Introduction

The web-based training was commenced by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai by welcoming the distinguished trainers and the participants. She mentioned the activities conducted by RCUES, Mumbai in training and research areas. She explained the objectives of the training programme.

Inauguration

After the introduction, Dr. Jairaj Phatak, IAS, (Retd.), Director- General, AILSG, Mumbai inaugurated the training programme. In his inaugural speech, he spoke about the objectives and components of AMRUT 2.0 in the light of the SDG 6 which is related to providing clean water and sanitation to all residents. While elaborating about the mission, he stated that AMRUT 2.0 inter alia aims at making the cities AatmaNirbhar (self-sufficient) and water-secure. It focuses on infrastructure development for providing basic services including water supply, sewerage services, urban transport and encourages developing green spaces and parks.



Dr. Jairaj Phatak, IAS (Retd.), Director-General, AILSG, Mumbai addressing the participants.

He further added that the consumption of non-billed water is prone to having contaminants of water which leads to diseases. Thus, the non revenue, water on account of making unauthorized linkages in the supply chain and illegal connections is a major challenge faced by almost all the cities of our country, he said. He appreciated performance of cities like Shimla, Coimbatore, Chandigarh, Thiruantapuram, Kochi, Panaji, Thiruchirapalli, Pune, Ahmedabad and Nagpur for success in achieving expected goals of SDGs. He extended his best wishes for the grand success of the training programme.

Technical Sessions

Major components/Scope of work
Intake - 25 nos DTW
WTP - 3 existing, 3 proposed (46 MLD)
OHR - 3 existing, 3 proposed (7800 cum)
Distribution network - 214.73 Km

Ms. Natasha Kakaty, Consultant - Civil, AMRUT, Assam addressing the participants.

The first session on 'Overview of AMRUT & AMRUT 2.0' was conducted by Ms. Natasha Kakaty, Consultant - Civil, AMRUT, Assam. She started her session by mentioning the need of AMRUT 2.0 and the items which have been added in the phase 2 of AMRUT. She further said that the universal coverage of water supply and sewerage services were added as a core part of the Mission. She also discussed the components such as capacity building, reform implementation, storm water drainage, urban transport, and development of green spaces and parks. She explained the expected outcomes of AMRUT 2.0 for furtherance of the objectives of all

cities which are striving to include some smart features in the physical infrastructure components during the planning process with a reform agenda and promote PPP. Further, she spoke about the

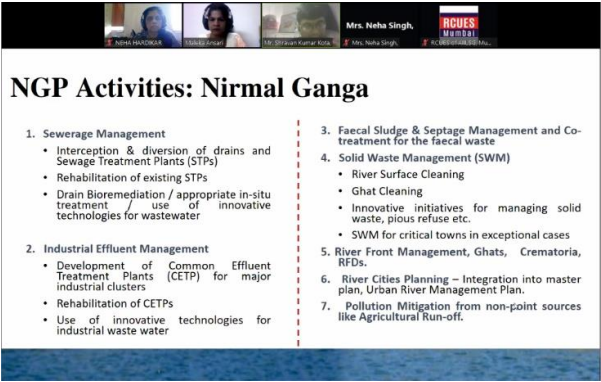
commencement of water supply projects in three cities of Assam State including Silchar, Dibrugarh & Nagaon and upgradation of parks and playgrounds in Silchar, Dibrugarh, Nagaon and Guwahati which are in progress. She discussed the strategies implemented in infrastructural development by application of GIS based Master Plan and Local Area Plan.

She referred to AMRIT Sarovar Mahotsav which was organised in the month of August, 2022 in almost all cities across Assam State. Melas were organized at the banks of clean water bodies of urban areas to create awareness amongst public to keep such water bodies clean, by covering 52 water bodies where minimum work to rejuvenate such water bodies has been completed. She briefly spoke about ongoing development projects of the state under AMRUT 2.0 including six water supply schemes and one STP cum FSTP project.

In next session, Mr. Shравan Kumar Kota, Research Officer, South Asian Institute for Advanced Research and Development (SAIARD), Guwahati, Assam conducted the session on 'Strategies adopted for making AatmaNirbhar Bharat under AMRUT 2.0'. He started his presentation by giving emphasis on making AatmaNirbhar Bharat as introduced in AMRUT 2.0. He mentioned that the mission focuses on the importance of self-sustainable resources.

Further he focused on principles of circular economy which aims at promoting conservation and rejuvenation of surface and groundwater bodies through data-led governance in water management and technology sub-mission in order to leverage the latest global technologies and skills for enhancing ease of living of citizens. Further he said that recycling and reuse of treated wastewater is expected to cater to 20% of total water needs of the cities and 40% of industrial demand. He explained that under this phase of the mission, sustainability of natural resources through protecting freshwater bodies from pollution is the main theme of the mission. He said that PeyJal Survekshan (drinking water survey) is expected to be conducted in cities to ensure equitable distribution of water, reuse of wastewater and mapping of water bodies through implementing technology-based portal management.


Ms. Neha Singh, Founder and Director, Forest Regeneration and Environmental Sustainability Trust (FORREST), Pune, Maharashtra, conducted the session on 'Encouraging to develop Green Spaces & Parks under AMRUT 2.0' by highlighting environmental sustainability. She stated that sustainable urban development is not only about beautifying cities but giving benefits to community at large for upgrading health, quality of life and well-being. In her talk she tried to correlate the agenda of sustainable urban development with the components of AMRUT 2.0 which leads to developing parks and green spaces by improving microclimatic conditions, protecting ecosystem, and supporting biodiversity. She discussed the case study of Pune and Pimpri Chinchwad cities where restoration of degraded urban areas they were converted into mini forests



NGP Activities: Nirmal Ganga

- 1. Sewerage Management**
 - Interception & diversion of drains and Sewage Treatment Plants (STPs)
 - Rehabilitation of existing STPs
 - Drain Bioremediation / appropriate in-situ treatment / use of innovative technologies for wastewater
- 2. Industrial Effluent Management**
 - Development of Common Effluent Treatment Plants (CETP) for major industrial clusters
 - Rehabilitation of CETPs
 - Use of innovative technologies for industrial waste water
- 3. Faecal Sludge & Septage Management and Co-treatment for the faecal waste**
- 4. Solid Waste Management (SWM)**
 - River Surface Cleaning
 - Ghat Cleaning
 - Innovative initiatives for managing solid waste, piouis refuse etc.
 - SWM for critical towns in exceptional cases
- 5. River Front Management, Ghats, Crematoria, RFDs.**
- 6. River Cities Planning – Integration into master plan, Urban River Management Plan.**
- 7. Pollution Mitigation from non-point sources like Agricultural Run-off.**

Mr. Shравan Kumar Kota, Research Officer, SAIARD, Guwahati, Assam addressing the participants.



Urban Green Spaces :crucial for environmental sustainability

Sustainable Urban Development is not only about beautifying our city but giving benefits to community at large of their-

- Health
- Quality of life
- Well-being

Sustainable Urban Development leads to-

- Minimises :Heat Island effect
- Reduces pollution
- Improves microclimatic conditions
- Supports Biodiversity
- Restores ground water
- Helps in soil restoration & development
- Aesthetically pleasing surroundings

Ms. Neha Singh, Founder and Director, FORREST, Pune, Maharashtra addressing the participants.

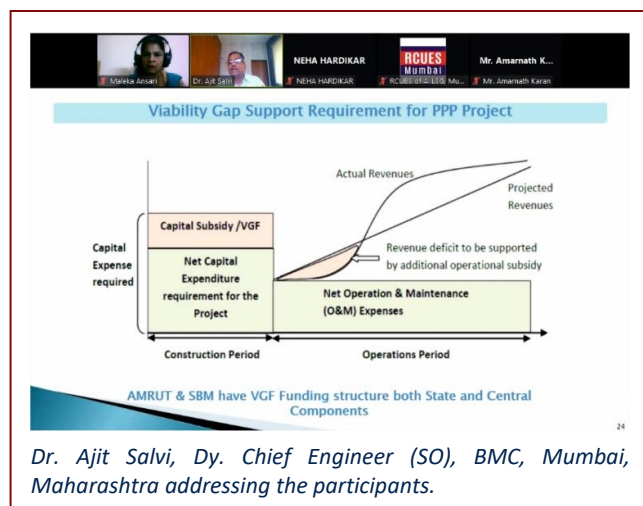
to bring nature and community in close contact. This was achieved by supporting urban biodiversity by providing habitat and creating congenial conditions to birds, honeybees, bats, insects, small mammals etc.

Further, she discussed the significance of segregation of solid waste at source and adoption of composting techniques for reducing wet waste at the door step in order to preserve environmental pollution and reducing soil erosion. While concluding the session, she said that achieving sustainable development depends on human actions and practices which support nature and environment.

On the second day, the session on 'Promoting Public Private Partnership (PPP)' was conducted by Dr. Ajit Salvi, Dy. Chief Engineer (SO), Brihanmumbai Municipal Corporation, Mumbai, Maharashtra.

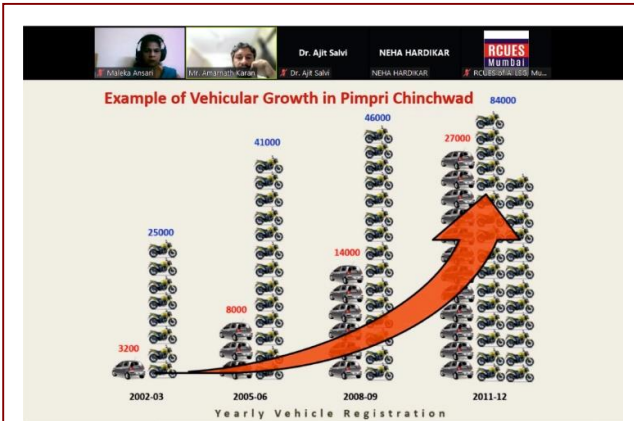
He began his session with a brief background of AMRUT phase 1 and further spoke on PPP model introduced under AMRUT 2.0 and the related provisions. He discussed major projects including water supply, tertiary treatment plant with end-to-end reuse of wastewater, utilization of treated water to industries and other users on the basis of annuity/hybrid and annuity/BOT model. He said that major projects can be implemented by adopting the PPP model in million plus cities by utilizing funds released under SBM 2.0. He mentioned that the provision of 10% of the fund of the total project cost of the city water action plans is an investment part of PPP model. He explained the implementation of technology-based projects as mentioned in AMRUT 2.0 including SCADA, Solar Power, Solar Energy production which can be channelized by ULBs by collaborating with new entrepreneurs.

Further he discussed the reform agenda introduced for strengthening urban local bodies and water security of the cities by highlighting major reforms including rejuvenation of water bodies, rain water harvesting, reducing Non-Revenue Water (NRW), meeting 40% industrial water demand through recycled used water, dual piping system for bulk users through building bye-laws, unlocking value & improving land use efficiency through proper master planning, improving credit rating & accessing market finance, including issuance of municipal bonds and implementation of online building permission system. In concluding the session, he discussed good practices in waste management as completed by adopting PPP model.



The last session on 'Rejuvenation of Urban Transport System' was conducted by Mr. Amarnath Karan, Scientist, Sustainable Development in Urban Programmes, Centre for Environment Education (CEE), Pune, Maharashtra. He began his session by mentioning rejuvenation of urban transportation as an important and key component in the context of urban development, for which not only ULBs or state transport departments are responsible but it's also a responsibility of every citizen to overcome the challenges faced due to congestion of traffic. He explained the issues of transportation by highlighting greenhouse gas emissions and road accidents. He briefly discussed National Urban Transport Policy, 2006 by highlighting its related provisions including promoting public transport and emphasized on promoting the same. He spoke on problems of pollution and traffic congestion in which he said that homogeneous traffic increases speed of movement and decreases congestion. He also pointed out that the cities across India have heterogeneous traffic that increases the congestion. He added that the solution for heterogeneous traffic can be facilitated through increase in road space, providing more space for parking enabling speedy travel of motorized transport and ensuring adequate fuel

supply. He also discussed vehicular congestion-caused accidents, air pollution, noise and delays occurring in mobility.



Mr. Amarnath Karan, Scientist, Sustainable Development in Urban Programmes, CEE, Pune, Maharashtra addressing the participants.

Further he stressed on facilitation of citizen friendly footpaths and their maintenance for pedestrians. He suggested the ULBs to adopt segregation of traffic through bypasses and elevated roads. He advocated promoting cycle tracks, pedestrian ways, and elevated footway sand expressways by citing an example of Copenhagen city of Denmark. While concluding the session, he mentioned about Copenhagen city which is known as bicycle-friendly city in the world. It has about 350 km of cycle paths, bicycle parking facilities, bicycle park and ride as also bicycles are allowed to carry in a train or a bus.

Summing-up

After taking the feedback and Question & Answer session, the training programme was concluded by proposing a Vote of Thanks to the trainers and the participants by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai.

Glimpses of the Web-Based Training Programme

Regional Specialized Web-Based Training Programme on

Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS

07th - 08th December 2022

Key Highlight

The participants updated their knowledge on various operational aspects of handling of MIS portal through actual demonstration, which would be useful to them in efficiently making use of the portal and to showcase their performance at city level under PMAY (U) mission.

Background

The World Urbanization Prospects report 2018 by the UN Department of Economic and Social Affairs estimated that 55 percent of the world's population is now living in urban areas and that this proportion is expected to increase to 68 percent by 2050. Similarly, according to a recent report by the National Commission on Population, there has been a 57 percent increase in the size of urban population in our country. Pradhan Mantri Awas Yojana (Urban) Mission, launched on 25th June 2015 aims at providing housing for all in urban areas by the year 2022. The scheme is a major step towards ensuring that people can get a house within their financial capability. The major objective of the scheme was to ensure provision of pucca houses for every family with facilities of basic services including water connection, toilet facilities, and 24X7 electricity supply. In pursuance of the vision of Government of India towards facilitating 'Housing for All by 2022', the Ministry of Housing and Urban Affairs (MoHUA), Government of India (GoI), State Governments and Urban Local Bodies (ULBs) have taken several measures to implement the housing projects under PMAY (Urban) in cities. In this regard, knowledge in various thematic areas, such as housing technologies, innovative designs, housing finances, development policies, comparative analysis etc. is being imparted to all the concerned authorities. Efforts are being made towards planning and formulation of policy documents, tender documents and Housing for All Plan of Action. Besides Detailed Project Reports (DPRs), innovative housing designs and Public Private Partnership (PPP) projects have been worked out. At the same time, capacities of concerned municipal officials are required to be enhanced for effective and timely implementation of housing projects in order to achieve the mission objective within stipulated time-frame.

The Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai conducted a **Regional Specialized Web-Based Training Programme on 'Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS' on 7th - 8th December 2022**. This training programme was supported by the MoHUA, GoI.

Key Objective

The key objective of this web-based training programme was to understand functioning of MIS for monitoring the progress of implementation of PMAY (U) at ULB level.

Participation

In all, 152 participants comprising Executive Officers, Municipal Engineers, MIS Specialists, Town Supervisors, Assistant Town Supervisors, Scheme Supervisors, from the states of Maharashtra, Gujarat and Tripura attended this training programme.

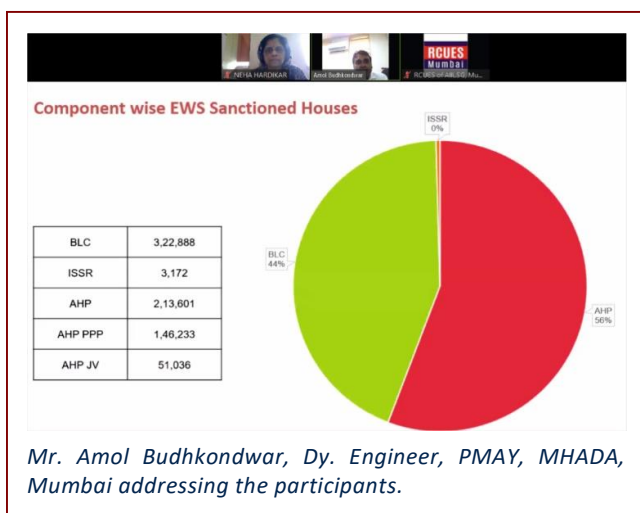
Introduction

At the outset, Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai began this online training programme by welcoming distinguished trainers/subject experts and the participants. She gave the background of RCUES, Mumbai and its working and spoke about the need of this online training programme. It is a prerequisite of every PMAY (U) functionary to understand the functioning of MIS portal to portray city wide performance under PMAY (U). This is a good opportunity to resolve the issues and challenges tackled during implementation of PMAY (U) components at city level, she said.



Ms. Neha Hardikar, Sr. Research Officer, RCUES of AILSG, Mumbai addressing the participants.

Technical Sessions



Mr. Amol Budhkondwar, Dy. Engineer, PMAY, MHADA, Mumbai addressing the participants.

The first technical session on 'Implementation Status of PMAY (U) in Cities' was delivered by Mr. Amol Budhkondwar, Dy. Engineer, PMAY, MHADA, Mumbai. Mr. Budhkondwar commenced the session by focusing on sanctioned projects of PMAY (U) in Maharashtra and mentioning about the highest Credit Linked Subsidy Scheme (CLSS) beneficiaries across the country, Economically Weaker Section (EWS) sanctioned houses under Beneficiary Led Construction (BLC), In-Situ Slum Redevelopment (ISSR), Affordable Housing in Partnership (AHP), Public Private Partnership in AHP, Affordable Housing in Partnership through Joint Venture. He further

presented an overview of PMAY (U) in Maharashtra by stating component-wise number of projects, EWS houses, houses grounded and completed under the mission. At the end, he emphasized upon the significance of MIS updating, monthly progress updating as also RERA registration updating to enhance the progress under PMAY (U) mission.

The next session on 'Compliances in MIS under PMAY (U)' was delivered by Ms. Payal Singwi, Advisory Consultant, PMAY (U), MHADA, Mumbai. The session was focused on curtailment of Detailed Project Report (DPR) in implementing PMAY (U) at city level, which is a significant component of MIS. Ms. Singwi explained the process of submitting curtailment of DPR by stating that identification of the beneficiary who has not yet grounded their homes and issuing notices to them to start/ground the home are the significant steps in curtailment of DPR. The beneficiary can be identified, who does not have interest in

the scheme any more after the timeline of the notices are over. The next step could be preparation of the list of beneficiary which needs to be curtailed from originally approved Central Sanctioning and Monitoring Committee (CSMC) beneficiary list. Simultaneously, it is indispensable to prepare the list of beneficiary which has grounded their home or willing to ground along with caste and gender bifurcation. She further said that the estimation of project cost can be done based on Central and State assistance, ULB and beneficiary share. After the curtailed beneficiary list is decided, the remaining beneficiaries are marked on Development Plan (DP) and ward-wise summary of the beneficiary which has grounded their homes and willing to ground is provided.

She then explained the process of revision of project (removal / reduction of beneficiary) in which, ULB's can only remove the beneficiaries from the beneficiaries already attached in the original project, and they will not be allowed adding any further beneficiaries. CSMC approval is required for any revision of the projects. If cities/ULBs want to revise their project; they have to contact state MIS team and further they have to contact Central MIS Expert after state approval, for getting approval in the CSMC login. Before approaching the MIS expert for the revision, cities have to attach all the



Ms. Payal Singwi, Advisory Consultant, PMAY (U), MHADA, Mumbai addressing the participants.

beneficiaries' list in the CSMC approved project. After the CSMC approval, they will be allowed to remove / reduce the beneficiary in the revised project cities. It is not permissible for the cities/ ULBs to add any new beneficiaries in the revised project. After the CSMC approval for revision, cities have to revise their project within 15 days from the date of CSMC approval from the Central Login, she added.

Further, the process of updating of the Death Cases was explained. She said that uploading of beneficiary's death certificate details module has been developed in PMAY (U). Before uploading the legal heir's details, the details of the beneficiary's family members should have been entered in PMAY (U) MIS. The family member whose Aadhar details are entered in MIS and if his/her age is more than 18 years, he/she can be selected as a legal heir of the house. For uploading legal heir's details, after entering all the required details against legal heir, ULB should forward a request to State Level Nodal Agencies (SLNA), who will validate the legal heir details, and forward the request to the Central Government. After accepting the request by Central Government, the legal heir's details will be incorporated in PMAY (U) MIS. The session was concluded by recapping the significance of compliance of curtailment of DPR and updating death cases in MIS under PMAY (U).

The next session on 'BHUVAN HFA Mobile Application and Geo-tagging in Implementation of PMAY (U)' was delivered by Mr. Radhyeshyam Saini, Project Consultant - GIS Expert, Programme Management Unit – PMAY Urban, MoHUA, Gol. Mr. Saini began the session by affirming that geo-tagging is a vital tool to monitor the progress of built / grounded houses under PMAY (U) through Bhuvan HFA App.

The steps involved in using Bhuvan App in implementing PMAY (U) were explained. Initially, beneficiaries' database need to be created, and after that authorizing and orienting supervisors is done by creating logins on Bhuvan portal. Then, surveyors collect and upload house images in Bhuvan mobile App after which authorized users generate reports in Bhuvan Geo-platform.



Mr. Radhyeshyam Saini, Project Consultant - GIS Expert, Programme Management Unit – PMAY(U), MoHUA, Gol addressing the participants.

This App is a comprehensible mobile application which enables the user to gather geo-tagged information and monitor different stages of constructing houses. The installation process and how geo-tagging of houses under Beneficiary Led Construction (BLC) is done through this mobile App was explained. After the elucidation of installation and implementation process, Mr. Saini further explained the types of reports (district wise, city wise, projects wise, construction stages wise and beneficiaries' id wise), which can be generated through the dashboard. He added that subsequent stages need to be ensured in effective implementation of PMAY (U). The

quality of photograph/geo-tag also needs to be ensured. The roles and responsibilities of supervisors, surveyors, SLTC/CLTC, States/UTs required to be identified correctly. The MoHUA, Gol will do random check to monitor the quality of photos geo-tagged, moderation gaps, working of surveyors, supervisors and SLTC/CLTC etc. The session was concluded by emphasizing the importance of accurate geo-tagging under PMAY (U) mission.

On the second day, the session on 'Effective Implementation of PMAY (U) through MIS Portal' was delivered by Ms. Pooja Gupta, MIS Lead, PMAY (U), MoHUA, Gol. The session was focused on importance of MIS portal under PMAY (U) mission. She said that PMAY (U)-MIS is Citizen Centric IT Solution, which is a key source of monitoring the progress of PMAY (U) mission in which ULBs and SLNAs enter the data pertaining to beneficiaries and projects approved under the PMAY (U) Mission. She further said that recently, MoHUA, Gol has observed certain discrepancy in the data uploaded by the States and ULBs beneficiaries found not to



Ms. Pooja Gupta, MIS Lead, PMAY (U), MoHUA, Gol addressing the participants.

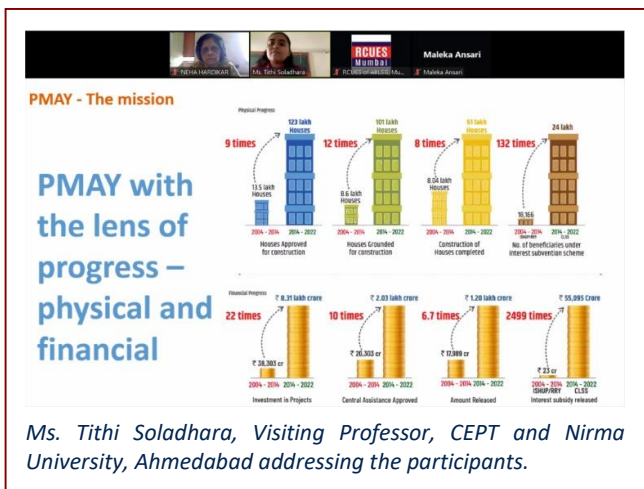
have been attached as per the Annexure data entry. In order to avoid such incongruities of data in future, PMAY (U) MIS has recently imposed one validation on 'Beneficiary Attachment' provision in all components i.e. BLC, ISSR, AHP. This provision allows ULB's to attach beneficiaries list in the approved project as per the total housing unit count, total count in gender and category as entered in Annexure in the MIS system. She added that in MIS, if ULB attaches beneficiaries more than the counts mentioned in the Annexure against category and gender, the system will show an error. PMAY (U) has developed a provision under ULB login to revise total count in gender and category in order to rectify present data discrepancy and overcome this challenge.

She concluded the session by explaining that the MIS allows submitting online demand surveys with a tracking facility and helps in the housekeeping of various records through digitization such as Surveys, Project information, Beneficiary details, fund utilization etc.

The session on 'Good Initiatives under PMAY (U)' was delivered by Ms. Tithi Soladhara, Visiting Professor, Centre for Environmental Planning and Technology (CEPT) and Nirma University, Ahmedabad. The session focused on the physical and financial progress under the mission. She talked

on features of PMAY (U) where focused is given on all-weather housing units with water, kitchen, electricity and toilet. This will result into better quality of life to urban poor with secured tenure, and adequate physical & social infrastructure. She further said that the PMAY (U) mission seeks to address the housing requirement of urban poor including slum dwellers through its verticals and explained major components of PMAY – Housing For All (HFA). She further elucidated that Affordable Rental Housing Complexes (ARHCs) for migrant workers/ urban poor will provide ease of living to urban migrants/ poor in the Industrial Sector as well as in non-formal urban economy to get access to dignified affordable rental housing close to their work place. The ARHC scheme will be implemented through two models: (1) Utilizing existing Government funded vacant houses to convert into ARHCs through PPPs or by Public Agencies, and (2) Construction, Operation and Maintenance of ARHCs by Public/ Private Entities on their own vacant land.

She explained the initiatives undertaken under the housing sector by highlighting ANGIKAAR campaign for change management, which was launched in 2019. It focuses on adopting best practices such as water & energy conservation, waste management, health, sanitation and hygiene for PMAY(U) beneficiaries through community mobilization and IEC activities. The PMAY(U) has convergence with various Urban Missions of MoHUA, GoI. She then explained Technology Sub Mission (TSM), which facilitates adoption of modern, innovative and green technologies and building materials for faster and quality construction of houses. TSM also facilitates preparation and adoption of layout designs and building plans suitable for various geo-climatic zones. It also assists States/Cities in deploying disaster resistant and environment-friendly technologies. Around 15 Lakh houses are being constructed using around 33 alternate technologies across the country. Moreover, MoHUA, GoI has initiated the Global Housing Technology Challenge - India (GHTC-India) which aims to identify and mainstream a basket of innovative construction technologies from across the globe for the housing construction sector that is sustainable, eco-friendly and disaster-resilient. Under the Affordable Sustainable Housing Accelerators- India (ASHA-India) initiative, incubation and acceleration support is provided to potential future technologies that are not yet market-ready (pre-prototype applicants) or to the technologies that are market-ready (post-prototype applicants). The ASHA-India Centres will also help in developing design guidelines, construction manuals and other necessary guidelines, relevant for the effective use of such technologies in cities. Another initiative namely the Light House Projects (LHPs) under GHTC India are being implemented in Gujarat, Jharkhand, Madhya Pradesh, Tamil Nadu, Tripura and Uttar Pradesh to demonstrate the innovative construction technologies which are cost-effective, green and sustainable. The session concluded by citing an example of Rajkot as case of green affordable housing smart Ghar by ensuring adequate ventilation and other provisions. Such initiatives can be replicated in other cities, she added.



The Question & Answer session was conducted in which the participants were allowed to ask their queries regarding overall MIS functioning and issues and challenges they faced during the mission implementation. Trainers addressed their queries by providing solutions to their issues.

Summing-up

This online training programme was concluded by Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai by proposing a Vote of Thanks to the trainers / subject experts and the participants after the feedback session.

Glimpses of the Web-Based Training Programme

REVISION OF PROJECT

- Recent validation has been removed in MIS of checking 100% revised beneficiary attachment before enabling project for Revision updation in MIS
- Beneficiary Attachment is now possible in Revised Projects
- Beneficiary Modification is also open for revised projects (Only after SLSMC approval)

Geo-tagging of BLC-N & BLC-E Houses Through BhuvanHFA Mo. App.

Steps:

- Creation of beneficiary database (PMAY MIS)
- Authorizing and orienting supervisors (Create Logins on Bhuvan portal)
- Authorized users generate reports in Bhuvan Geo-platform
- Supervisor checks and approves uploaded images
- Authorizing and orienting surveyors (Create Logins on Bhuvan portal)
- Surveyors collect and upload house images in Bhuvan mobile app

UPDATE Beneficiary- Mobile Number

City Name : Chennai

Beneficiary | Revision of Project | SPS | Allocation Letter | WFA/PA

Update Name, Aadhar No. & Bank Account as per Aadhar

Update Family Member Name & Aadhar

Update Mobile Number

Edit Beneficiary Ward Detail

Add / Edit Beneficiary Joint Holder / Family member Details

Add / Edit Revised Project Beneficiary Joint Holder / Family member Details

Update Mission Component of Revised/Cartal Survey & Beneficiary

Add / Update Beneficiary Death Certificate Details

Beneficiary House Completion Status

Update Beneficiary House Completion Status

PMAY - The mission

Component of PMAY (U)

- ISSR
- CLSS
- AHP
- BLC

Capacity Building Under PMAY(U)

Light House projects under GHTC India

Global housing technology challenge

Affordable Rental Housing Complexes (ARHCs) for Migrant Workers/ Urban Poor

Technology Sub Mission (TSM)

Robust MIS System

ANGIKAAR - A campaign for change management

Regional Specialized Web-Based Training Programme on

WASH (Water-Sanitation-Hygiene) in Urban Areas

20th - 21st December 2022

Key Highlight

In this training programme the participants acquired the knowledge of formulation of strategies to effectively implement the sustainable WASH services for healthy cities.

Background

The WASH (Water, Sanitation and Hygiene) initiative has been taken by various countries in order to provide safe drinking water, proper sanitation facilities, hygienic environment and livelihood to their citizens by 2030. The WASH program works on long-term prevention and control measures for improving health, reducing poverty, and improving socio-economic development as well as responding to global emergencies and outbreaks of life-threatening illnesses. Universal, affordable and sustainable access to WASH is a key public health issue in international development and is the focus of Sustainable Development Goal (SDG) - 6. In India rapid urbanization has placed immense strain on Urban Local Bodies (ULBs) to provide clean water and sanitation services to the over 300 million people residing in urban areas. The health consequences of rapid urbanization are exhibited by the high rates of stunting, malnutrition, and death from water-borne disease evident across India. The impact of universal access to WASH on global health would be profound.

It is inevitable for ULBs to strengthen WASH services by increasing WASH infrastructure services to fill the existing gaps at city level in urban areas in order to ensure that cities become healthy and liveable cities.

With this background, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai organized a **Regional Specialized Web-Based Training Programme on 'WASH (Water-Sanitation-Hygiene) in Urban Areas' on 20th - 21st December 2022**. This training programme was supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

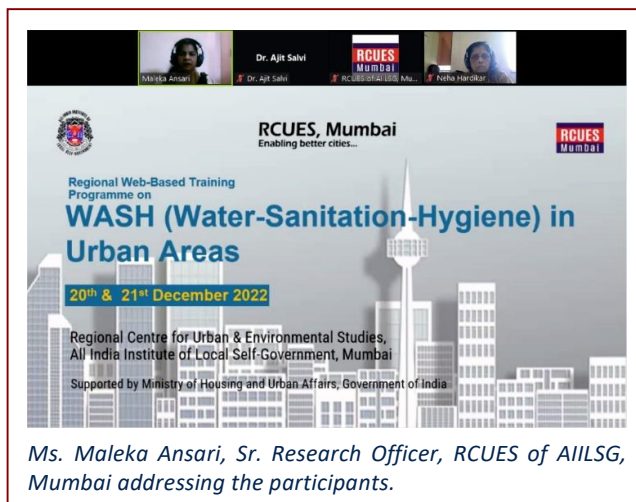
The key objective of this web-based training programme was to encourage ULBs and other stakeholders to strengthen WASH services in urban areas in order to ensure that cities become healthy and liveable cities.

Participation

In all 12 participants comprising Municipal Engineers, City Coordinators, Finance Managers, Tax Officers, Asst. Monitoring Officers, Representatives of NGOs and concerned Municipal Officials from the States of Maharashtra, Rajasthan attended this training programme.

Introduction

This web-based training programme commenced by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai. She welcomed the distinguished experts and the participants. She explained the objective of the training programme and further briefly mentioned about the ULBs' functions which are important in the context of governance of the local area. Further, she added that being service providers ULBs should encourage WASH interventions especially in vulnerable parts of the city.



Ms. Maleka Ansari, Sr. Research Officer, RCUES of AILSG, Mumbai addressing the participants.

Technical Sessions

Overview of public health aspects

- Safe drinking-water, sanitation and health
- Livelihoods, school attendance and development
- Illnesses such as diarrhoea
- 829 000 people die each year from diarrhoea**
- Water contamination – Arsenic, fluoride

Prevention of acute diarrhoea

- Clean and safe drinking water
- Improved sanitation
- Handwashing with soap
- Good food hygiene

Dr. Shreeraj Tadwadekar, Asst. Professor, Microbiology, Seth GS Medical College and KEM Hospital, Mumbai addressing the participants.

The first session on 'WASH & Public Health' was conducted by Dr. Shreeraj Tadwadekar, Asst. Professor, Microbiology, Seth Gordhandas Sunderdas Medical College (GSMC) and the King Edward Memorial (KEM) Hospital, Mumbai. He started the session by explaining public health aspects stating that poor hygiene, inadequate availability & poor quality of drinking water and lack of sanitation facilities cause millions of the world's poorest people to die from preventable diseases each year, in which women and children are the main victims. He said that safe drinking water, sanitation and hygiene (WASH) are crucial to human health and well-being. Further, he added that SDG 6

leads towards human rights by emphasizing access to clean water and sanitation. He explained the process of maintaining hand hygiene while discussing the effective implementation of WASH services for a healthy city. He advised participants to make efforts to plan and implement environmentally sustainable practices including encouraging safe hand wash and sustainable use of water.

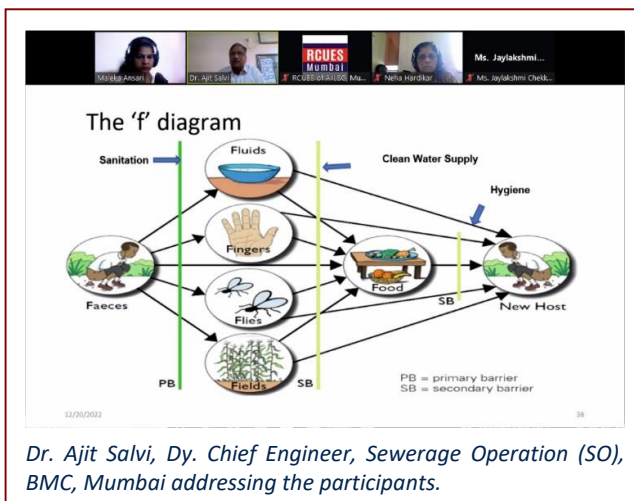
The next session on 'Improving WASH under Urban Development Missions' was conducted by Dr. Ajit Salvi, Dy. Chief Engineer, Sewerage Operation (SO), Brihanmumbai Municipal Corporation (BMC), Mumbai. Beginning his session, he explained practices of personal hygiene which play an important role in human life to create a healthy environment. He discussed SDGs especially focusing on SDG 6.1 which aims to achieve universal and equitable access to safe and affordable drinking water for all by 2030. He further referred to goal 6.2 of SDG 6 related to achieving access to adequate and equitable sanitation and hygiene for all and ending open defecation, paying special attention to the needs of women and girls and those in vulnerable situations, by 2030.

Further he explained sanitation management chains including sanitary facilities management and safe management of water supply and sanitation services by highlighting management of community toilets and public toilets. He recommended that households need to be encouraged to use their toilets

and keep them clean, as the majority of Indian sanitary installations in urban as well as rural areas do not have centralized sewer systems.

He elaborated on safe management of sanitation services by emphasizing on operations of Sewerage Treatment Plants (STP) which require strictly adhering to O&M protocols and performance to be monitored. Further he emphasized on the provision of personal protective equipments and urged the participants that concerned departments should be vigilant to see that all the workers and officials use these equipments compulsorily at work place.

While concluding the session he said that intensive efforts are required to create more equitable access to basic infrastructure in order to improve the living conditions of residents in urban areas with the help of WASH services.



The next session on 'Service Delivery in WASH – ULB Approach' was conducted by Mr. Anand Jagtap, former Officer on Special Duty (OSD), Brihanmumbai Municipal Corporation (BMC), Mumbai. He explained WASH as an approach to improved sanitation facilities and good hygiene practices. These issues are highly interconnected, and are combined together within the targeted WASH approach in order to represent it as a growing sector. The benefits of having access to a safe drinking water source can only be fully realized when there is also access to improved sanitation and good hygiene practices.

Access to WASH services for the poorest and most marginalized children and their families.

- As of 2018 an estimated 4.2 billion people, or 55 per cent of the global population, were living in urban areas.
- A third of them were children, and about 300 million of these children were living in slums – the worst form of informal settlement.
- The need for an increased focus on urban WASH is driven by this increasing number of vulnerable children and their families living in poor urban environments across the world

Mr. Anand Jagtap, former Officer on Special Duty (OSD), BMC, Mumbai addressing the participants.

Further he focused on some facts that as of 2018 an estimated 4.2 billion people, or 55 percent of the global population were living in urban areas and around 300 million children were living in slums the worst form of informal settlement. The need for an increased focus on urban WASH is driven by the increasing number of vulnerable children and their families living in poor urban environments across the world. He mentioned about the status of WASH in India by stating that according to an NSS report only 35.8 percent households in India wash hands with soap before meal, and that about 26 percent people in India don't wash their

hands with soap or detergent after defecation. Two third toilets in India have water and soap/detergent available in or around the toilets. He concluded his session by stating that ULBs can play a crucial role in service delivery of WASH.

On the second day, the technical session on 'City Level Approach to implement Behaviour Change Communication (BCC) Programme' was conducted by Ms. Jayalakshmi Chekkala, Project Manager, AILSG, Mumbai. She explained BCC which is a key to the success of SBM-U 2.0, and it requires localization, community engagement, citizen participation and collaborative partnerships to bring about desired outcomes. Further she focused on the objectives framework for BCC under SBM-U 2.0 introduced in May 2022. She encourage participants to address waste management by adopting BCC

framework which promotes circular economy mentioned under SBM-U 2.0 and the ways encourage recycling behaviour and encourage circular economy.

The last session on 'Good Practices in Urban - WASH & Menstrual Hygiene Management (MHM)' was conducted by Ms. Aparna Kulkarni Govande, State Communication Consultant for Water, Sanitation and Menstrual Hygiene (WS & MH), UNICEF, Mumbai. She started her session by stating implications of WASH on health issues and covered the topics of the need of safe and secure water supply, overall sanitation, SWM, infrastructure and use, operation and maintenance, personal hygiene practices, safe menstrual hygiene practices, etc.

Mapping out behaviors to identify key actions

Intervention Mapping Steps and Tasks

- Step 1: Needs Assessment**
 - Establish a participatory planning group
 - Conduct the needs assessment
 - Assess community capacity
 - Specify program goals for health and quality of life
- Step 2: Matrices**
 - State outcomes for behavior and environmental change
 - State performance objectives
 - Select important and changeable determinants
 - Create a matrix of change objectives
- Step 3: Theory-based Intervention Methods and Practical Applications**
 - Generate program ideas with the planning group
 - Identify theoretical methods
 - Create program methods
 - Select or design practical applications
 - Ensure that applications address change objectives
- Step 4: Intervention Program**
 - Consult interested participants and implementers
 - Create program themes, topics, sequences, and materials list
 - Prepare script documents
 - Review available program materials
 - Draft program materials and protocols
 - Protect program materials and protocols
 - Produce materials and protocols
- Step 5: Adoption and Implementation**
 - Identify potential adopters and implementers
 - Revitalize the planning group
 - State program use outcomes and performance objectives
 - Specify interventions for adoption and implementation
 - Create a matrix of change objectives
 - Select interventions for practical applications
 - Design interventions for adoption and implementation
- Step 6: Evaluation Plan**
 - Design interventions for adoption and implementation
 - Review the program logic model
 - Write short evaluation proposals

Ms. Jayalakshmi Chekkala, Project Manager, AILSG, Mumbai addressing the participants.

Menstrual waste management at ward level – The Challenge

- 3467 MT annual menstrual waste generated in an MCGM ward
- 125 KG menstrual waste generated by using sanitary napkins annually
- 10% increase in sanitary napkin usage y-o-y
- 57% sanitary napkin usage in urban areas

Ms. Aparna Kulkarni Govande, State Communication Consultant for WS & MH, UNICEF, Mumbai addressing the participants.

Further she focused on knowledge and awareness of menstrual hygiene management which is essential to ensure that women and girls can manage their periods safely. She further added that because of long standing stigma, the topic of menstruation is not spoken about openly in Indian society. She concluded her session by stating that menstrual hygiene is a part of WASH services.

Summing-up

After taking the feedback and Question & Answer session, the training programme was concluded by proposing a Vote of Thanks to the trainers and the participants by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai.

Glimpses of the Web-Based Training Programme

Core focus areas of MHM

- MHM awareness (Communities)
- MHM education with 6 weeks sessions (In schools / Ashramshala)
- Menstrual absorbents access, affordability
- Waste management – segregation, collection and incineration
- Responsive WASH services

Management of the Community Toilets & Public Toilets

The diagram illustrates a management cycle: ULB (Urban Local Body) oversees Users, Community Toilet Hygiene, Care takers, Elected Representatives, Operators & Managers, and CBO - CSOs / Contractors. Unhygienic conditions can lead to the spread of infection and outbreaks.

Regional Specialized Training Programme on

Role of Elected Representatives in Implementing Missions and Programmes

27th - 28th December 2022 at Jodhpur, Rajasthan.

Key Highlight

The key highlight of this programme was the group exercise after the technical sessions on the subject of highlighting the crucial role of the elected representatives in implementation of the national missions and physical & economic outcomes targeted under them. The group exercise provided the participants an opportunity to immediately apply the knowledge they acquired through the technical sessions.

Background

The Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI) is implementing various flagship missions and programmes such as Swachh Bharat Mission - Urban (SBM-U) 2.0, National Urban Livelihoods Mission (NULM), Pradhan Mantri Awas Yojana - Urban (PMAY-U), Smart City Mission (SCM), Atal Mission for Rejuvenation & Urban Transformation (AMRUT) 2.0 with the objectives to promote sustainable and inclusive cities that provide core infrastructure and give a decent quality of life to its citizens, enable a clean environment and provide sustainable livelihoods and application of 'Smart' Solutions. The collective city level efforts of Urban Local Bodies (ULBs) along with the multiple stakeholders create synergies in effective implementation of the said missions and programmes. This acts as an impetus for sustainable development and effective urban governance. The elected representatives play a vibrant role in implementing these missions at ground level through various monitoring activities for the welfare of the citizen.

Considering this background, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai organized a **Regional Specialized Training Programme on 'Role of Elected Representatives in Implementing Missions and Programmes' on 27th - 28th December, 2022 at Jodhpur, Rajasthan.** This training programme was supported by the MoHUA, GoI.

Key Objective

The key objective of this training programme was to discuss the significant role of elected representatives in creating synergy with ULBs in implementing various national missions and programmes for effective urban governance and sustainable development.

Participation

In all 91 participants comprising Mayors, Dy. Mayors and other Elected Representatives from the States of Rajasthan and Gujarat attended this training programme.



Participants during the training programme.

Introduction



Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

On the day one, Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai welcomed the dignitaries, distinguished resource persons and the participants. In the introductory session she mentioned the activities conducted by RCUES, Mumbai in training and research areas. Ms. Ansari also spoke about the scope of the programme to be covered under the training programme. Two days' programme included presentations, experience sharing, participatory activities and group work. The introduction was followed by inauguration of the programme.

Inauguration

The specialized training programme was inaugurated by Ms. Kunti Deora, Hon'ble Mayor, North Zone, Jodhpur Municipal Corporation (JMC), Rajasthan in the presence of other dignitaries including Mr. Omprakash Verma, former Mayor, JMC, Rajasthan and Ms. Rashmi Saboo, Member, Standing Committee, Surat Municipal Corporation (SMC), Gujarat by lighting the lamp of knowledge.

In the inaugural address Ms. Deora presented an overview of various flagship missions and schemes sponsored by Central as well as State Governments which are being implemented by the JMC along with their objectives, implementation plans and expected outcomes.



Ms. Kunti Deora, Hon'ble Mayor, North Zone, Jodhpur Municipal Corporation (JMC), Rajasthan inaugurating the training programme by lighting the lamp.

She focused on the roles and responsibilities of elected representatives in monitoring development activities and service delivery in their constituencies. She highlighted the role of elected representatives on making the people informed of the welfare programmes implemented by the government. She appreciated the significance of organizing the training programme in order to enhance the functional knowledge, improve the skills and change the attitude of elected representatives and strengthen capacities of ULBs.

Technical Sessions

Mr. Anilkumar Jain, former Additional Chief Engineer, Public Health Engineering Department (PHED), Government of Rajasthan delivered a session on 'Swachh Bharat Mission - Urban 2.0'. He discussed SBM 1.0 and 2.0 by comparing and highlighting their related provisions as under the respective guidelines. He said that the second phase of SBM is launched with a view to transform the India a Swachh Bharat through making all cities Garbage Free. He said that effective implementation of this mission leads to urban transformation by improving quality of life and makes for ease of living of urban population and bringing about major changes in the eco system.



Mr. Anilkumar Jain, former Additional Chief Engineer, PHED, Government of Rajasthan addressing the participants.

He spoke about scenario of SWM by mentioning the status of waste generation and processing in different states. He said that it is necessary to sustain and accelerate the achievements under SBM-U in first phase with an aim of sustainable SWM, sanitation and treatment of wastewater. He further said that awareness creation along with large scale citizen outreach is necessary to create 'Jan Andolan', and institutionalize Swachh' Behaviour. He added that institutional capacity for effective implementation is based on programmatic interventions to achieve mission objectives.

Further he emphasized on the role of elected representatives which forms essential vital link between the ULBs and the residents of the city. Since sanitation is directly linked with people's behaviour, life style, and their perception of waste, the role of ERs becomes even more significant for establishing an effective waste management system. The Elected representatives have played a laudable role in creating an enabling environment for private sector as well as community participation for achieving the SBM goals, he said.

The next session on 'Atal Mission for Rejuvenation and Urban Transformation (AMRUT) 2.0' was conducted by Mr. Devendra Dhapola, WASH Expert, New Delhi. He started the session by presenting the scenario of implementation during first phase of AMRUT in different states by discussing the issues and challenges faced by the cities. He said that Mission directly and indirectly targeted to improve basic necessities of life i.e. provision of water in every household which makes it possible to improve quality of life, especially of women in terms of saving time and energy. Further



Mr. Devendra Dhapola, WASH Expert, New Delhi addressing the participants.

he discussed SDG 6 by highlighting its connectivity with AMRUT 2.0. He said that journey of AMRUT and SBM have so far been a boon to as they have been partnership in their implementation in the form of Jan Andolan. Further he added that the Jal Jeevan mission was introduced in the second phase of AMRUT to address the issues related to water holistically. He advised ULBs to put in more efforts in the field of water conservation, irrigation, rainwater conservation, rejuvenation of water bodies, desalination of sea water and treatment of wastewater. He also discussed various reforms introduced in AMRUT 2.0. AMRUT reforms for improving the institutional outcomes with focus on accountability, transparency, efficient service delivery, citizen empowerment and resource mobilization.

He further emphasized the role of elected representatives representing their constituencies and working as a bridge between ULBs and the citizens. He stressed that a regular orientation training programme for elected representatives is necessary to make them aware about the new arrivals in development arena of city governance. He said that there could be a possibility of weakening of the control of elected body over governance in cities and towns, due to the lack of capacity amongst elected representatives in the areas of mobilizing the people around development issues, negotiating demands and contributing to planning for service delivery in absence of awareness.



Mr. Bhuwanesh Goyal, District Mission Manager, DAY-NULM, Jodhpur Municipal Corporation, Rajasthan addressing the participants.

Mr. Bhuwanesh Goyal, District Mission Manager, Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM), Jodhpur Municipal Corporation, Rajasthan spoke on 'Deendayal Antyodaya Yojana - National Urban Livelihood Mission (DAY-NULM)' by highlighting implementation status of NULM in various cities of Rajasthan State. He focused on NULM commitments including livelihood opportunities to the urban poor through a combination of skill enhancement, self-employment, shelter and basic facilities for the urban homeless, designated street vending zones and vendors' markets, credit facilities, social security and institutional development. Further he discussed

sub components, programme management structure, fund allocation, implementation strategy, execution and monitoring process under DAY-NULM. He said that the role of elected representatives is crucial and their constant involvement and guidance to the skill up-gradation for better livelihood opportunities in urban areas are essential for overall sustainable development in cities.

Ms. Hemaliben Boghawala, Hon'ble Mayor, Surat Municipal Corporation, Gujarat discussed the key urban development missions implemented in cities by highlighting objectives, components and budgetary provisions. She spoke on the various missions implemented in Surat city by highlighting strategies and innovative techniques adopted for successful implementation. She said that Surat city has



Ms. Hemaliben Boghawala, Hon'ble Mayor, Surat Municipal Corporation, Gujarat addressing the participants.

been accredited with the water-plus certification among four other cities across the country and such first city in Gujarat state.

Further she focused on roles and responsibilities of the elected representatives' plan in managing the common affairs of the city in a continuing process where differences in interests may be accommodated, and cooperative action can be taken. In concluding the session, she said that Government introduced multiple missions for infrastructural, physical as well as social development of the cities and elected representatives are in ideal position to make possible to bring the visions in reality.



Mr. Rajesh Vyas, General Manager, Rajasthan Awas Vikas and Infrastructure Ltd., PMAY, Government of Rajasthan addressing the participants.

On the day two, the technical session on 'Pradhan Mantri Awas Yojana - Urban (PMAY-U)' was conducted by Mr. Rajesh Vyas, General Manager, Rajasthan Awas Vikas and Infrastructure Ltd., PMAY, Government of Rajasthan. He presented urban sector overview with reference to PMAY focusing on issues and challenges in urban sector in the implementation of PMAY. He spoke about the status of PMAY scheme in the state of Rajasthan by citing cases and details of successful housing projects including affordable housing in partnership (AHP) in cities like Bhadna - Kota, Bedwas - Udaipur, SPM - Bharatpur and Beneficiary-led Construction (BLC) in cities like Pali, Sikar, Pratapgarh,

Pindwara, Bundi and Sangod. While concluding the session he stated that PMAY (U) aims at dignified living along with a sense of security and pride of ownership to the beneficiaries by providing them with a pucca house. This has made it possible to address housing needs of LIG and MIG beneficiaries. Elected representatives can motivate the beneficiaries to avail the benefits under the mission.

Group Exercise

A group exercise was conducted in the last session of the training programme. The participants were divided into 7 groups. The theme of this session was to prepare a SWM plan with an aim of making a garbage free city. The purpose of making the groups work was to use application of knowledge imparted through technical sessions. Each group actively participated in sharing ideas to develop SWM plans with an aim of making a garbage free city. A token of appreciation was given for the best SWM plan after the groups presented their work to the resource persons.



Participants engaged in group exercise.

Summing-up

At the end of the programme, certificates were distributed to the participants. This training programme was concluded by proposing a Vote of Thanks to the resource persons and participants by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai.

Glimpses of the Specialized Training Programme



Regional Specialized Web-Based Training Programme on

Swachh Bharat Mission – Urban 2.0

28th - 29th December 2022

Key Highlight

The participants learned about new technologies to implement sustainable solutions for their cities in SWM and Sanitation under SBM-U 2.0.

Background

Swachh Bharat Mission - Urban 2.0 (SBM-U 2.0) envisages to make all cities 'Garbage Free' and ensure grey and black water (used water) management in all cities other than those covered under AMRUT, making all urban local bodies ODF+ and those with a population of less than 1 lakh as ODF++ and water+ to ensure that no untreated used water is discharged in open to pollute water bodies, thus achieving the vision of safe sanitation in urban areas. The Mission also focuses on source segregation of solid waste, utilizing the principles of 3Rs (reduce, reuse, recycle), scientific processing of all types of municipal solid waste and remediation of legacy dumpsites for effective solid waste management.

The achievements under SBM Urban need to be sustained in the long run with creation of adequate infrastructure, and their implementation needs to be accelerated manifold. Hence, SBM - Urban 2.0 is has a focus on garbage free cities and sustainable sanitation. While observing India's journey in Solid Waste Management, it has been observed that the launch of SBM-U, coupled with the promulgation of SWM Rules 2016, Construction and Demolition (C&D) Waste Rules, Plastic Waste Management including reduction in single use plastic, and remediating all legacy dumpsites.

The Regional Centre for Urban and Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai conducted a **Regional Specialized Web-Based Training Programme on 'Swachh Bharat Mission - Urban 2.0' on 28th - 29th December 2022**. This training programme was supported by the Ministry of Housing and Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

The key objective of this web-based training programme was to understand the role of Urban Local Bodies (ULBs) in making cities garbage free and water secure by addressing the challenges in implementation of SWM and management of wastewater to ensure clean and healthy cities.

Participation

In all 26 participants comprising Dy. Municipal Commissioners, Assistant Municipal Commissioner, Municipal Engineers, City Project Officers, MIS / IT Experts, City Coordinators, Health Officer, Project Officer, Assistant Project Officer, Sanitary Inspectors from the states of Maharashtra, Gujarat, Goa, Rajasthan, Assam, Dadra Nagar Haveli, Diu & Daman attended this web-based training programme.

Introduction

This web-based training programme was commenced with the introduction given by Ms. Neha Hardikar, Sr. Research Officer, RCUES, AIILSG, Mumbai. She welcomed Dr. Jairaj Phatak, IAS (Retd.), Director General, AIILSG, India the distinguished trainers and the participants and spoke about the RCUES, Mumbai's functioning. She then explained the objective of this training programme and elaborated as to how the achievements under SBM Urban need to be sustained by creating adequate

infrastructure facilities, and their implementation needs to be accelerated manifold. She said that now SBM-U 2.0 focuses on garbage free cities and sustainable sanitation. She said that understanding the strategic implementation of SBM-U 2.0 through this platform is highly useful for the participants.

Inauguration

Dr. Jairaj Phatak, IAS (Retd.) inaugurated this web-based training programme. Dr. Phatak in his inaugural address talked on achievement of Open Defection Free (ODF) status across the country by stating that almost all cities across the country became ODF under phase-I of SBM-U and are moving towards ODF+ and ODF++ under SBM-U 2.0. He further said that SBM-U 2.0 will be implemented with a vision of achieving 'Garbage Free' status in cities by 100 percent waste segregation, door to door collection of segregated waste from each household / premise, scientific management of all types of waste, including safe disposal in scientific landfills. He concluded his address by stating that cities should focus more on achieving sustainable solid waste management and sanitation under SBM-U 2.0.



Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG, India addressing the participants.

Technical Sessions

The first session on 'Overview of Swachh Bharat Mission - Urban 2.0' was delivered by Mr. Arvind Kumar Singh, Head (Water & Sanitation), Urban Management Centre, Ahmedabad. The session began by explaining achievements of eradication of open defecation and scientific solid waste management under first phase of SBM-U in cities. He explained sanitation protocols, ODF status and municipal solid waste management status. He stated that SBM-U 2.0 launched in October 2021, aims to create Garbage Free Cities in India within the next 5 years. He then elaborated expected outcomes under SBM-U 2.0 such as all ULBs become at least ODF+, ULBs with less than 1 lakh population become at least ODF++, 50% of ULBs with less than 1 lakh population become Water+, and ULBs become certified at least 3-star Garbage Free rating. The emphasis was given on Jan Andolan - Citizens' engagement to promote ownership of 'Swachhata' by bringing citizens to the center of the mission, especially women SHG to be used for community level facilitation. Further he explained funding allocation under SBM-U

2.0, where funds are allocated for projects implementation, IEC activities, capacity building and committed liabilities carried over from phase one of SBM-U. He said that strengthening of E-learning, adoption of new technologies, start-ups and business models, focus on skill development in sanitation and waste management are major components in capacity building. Besides, robust ICT enabled governance is crucial to enable real-time monitoring of assets. He spoke on Mandatory Entry Level conditions by stating about aligning property tax floor rates with market rates with periodic revisions, as recommended by the 15th Finance Commission.



The Public Financial Management System (PFMS) is adopted by all ULBs to receive funds from SBM-U 2.0, in which all transaction has to be made through Direct Benefit Transfer (DBT) and/or Expenditure-Advance-Transfer modules (EAT) modules. While explaining about sustainable solid waste management, he highlighted that Central Government does not provide funds for cost of setting up primary collection & transportation (C&T) systems, including modernization of existing systems, which is one of the components under SBM-U 2.0. He also explained about Micro Composting Centre, which is a facility, where wet waste is processed into compost. He later explained entire process of dry waste processing at Material Recovery Facility (MRF) and process of safe disposal of non- recyclables and inert waste. He talked on IT-enabled applications for implementation under SBM-U 2.0.

He also highlighted on evolution of Swachh Survekshan (SS) by stating that out of four phases of assessment in SS, phase I and II will be assessed on the basis of service level progress indicators designed for SS 2022. Further, he elaborated Star Rating Protocol for Garbage Free Cities (GFC) by explaining Seven Star Rating devised to ensure holistic evaluation across entire SWM Chain. He explained ULB's approach in making cities 'Garbage Free' by discussing on effective source segregation at House Hold (HH) level, decentralization of waste processing, selection of appropriate technology for waste management, capacity building of municipal officials and staff, management of legacy waste & land reclamation, engagement of Self Help Groups (SHGs) and Informal Waste pickers in SWM Value Chain. The session was concluded by focusing more on Star Rating Protocol for making Garbage Free Cities (GFCs).

The next session on 'Sustainable Solid Waste Management in Cities under Swachh Bharat Mission - Urban 2.0' was delivered by Ms. Gauri Mirashi, CEO & Co-Founder, Ecosattva, Aurangabad. In the session, she emphasized on solid waste management and green cover management related to environment. She explained the solid waste management services through BOTRAM Process. BOTRAM is an innovative, cost-effective, equitable and replicable SWM transformation process. It is a six-step process that overhauls, fortifies and enables the city's MSW machinery effective to make a waste management system reliable, safe and sustainable. The focus was given on source segregation of solid waste by using the principles of 3 R's (Reduce, Reuse, and Recycle). She explained the current scenario of SBM-U by mentioning that the solid waste dumped to landfills is substantially reduced. Moreover, its implementation makes door to door waste collection, transportation and centralized waste treatment more effective.

She presented the scenario of SWM in Indian context by stating that 100% of solid waste is not processed and instead transported to open dumps. Hence, the working conditions at dump sites are hazardous and undignified. The implementation of BOTRAM process helps in facilitating access to regular doorstep waste disposal system to all households, 90% of waste is diverted from landfills, and 100% of the formal and informal waste workers inducted in the systems are given access to enhanced and dignified livelihoods. She further explained that in the BOTRAM system, baseline assessment is essential as it is a data driven and research extensive stage to understand the context of SWM for the particular geography, capture Garbage Vulnerable Points (GVPs), understand and mapping existing SWM practices, and get an insight into the available resources (land, equipment, human resources, community influencers, dry waste management facility etc.). This assessment is done through web based application. This process guides

The Challenge

Even though there are policies and regulations to address the waste management problem we face, we are still a long way from being a clean nation. Here are a few reasons for the same:

- Resources allocated but under-utilised infrastructure
- Open dumping points due to irregular waste collection systems

Light has gone out of these community biogas plants

Our In-House BOTRAM™ service streamlines existing resources and infrastructure and enables urban and local bodies to offer efficient and sustainable waste management services

Ms. Gauri Mirashi, CEO & Co-Founder, Ecosattva, Aurangabad addressing the participants.

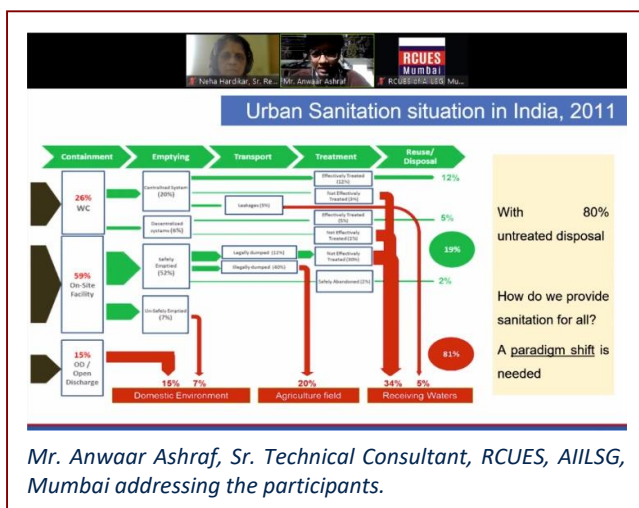
the overall planning exercises and helps in decision-making. The next step is on boarding and orientation, which aims to bring the political and bureaucratic leadership, residents and other stakeholders of a location together to arrive at a common goal. The key goal of this step is to suggest and implement policies and byelaws to enable streamlining of existing infrastructure and resources based on the baseline report. Besides, these two steps, training and route mapping, resource recovery, awareness campaign, monitoring and maintenance are also important steps in the BOTRAM process. Material Recovery Facilities are the corner stone of the BOTRAM process. She highlighted children involvement in waste segregation. In Paithan, children have become the ambassadors of waste segregation and encourage their families to keep the waste separate. In concluding the session the emphasis was given on effective implementation of BOTRAM system for inclusive and sustainable SWM.

The next session on 'Used Water Management for a City' was delivered by Mr. Anwaar Ashraf, Sr. Technical Consultant, RCUES, AILSG, Mumbai. He focused on used-water management for cities under SBM-U 2.0. He talked on conveyance of used-water and used-water treatment under the used-water management approaches. Further, he talked on the proportion of India's urban water treatment by explaining urban sanitation scenario in India in 2011. A paradigm shift is needed to provide sanitation for all as untreated disposal was as high as 80 percent. Thus, there is need for emphasis to be given to used water management under SBM-U 2.0. The overall approach to be taken by ULBs under SBM-U 2.0 is to develop the system by ensuring that untreated used water is not discharged into water bodies or nallahs and all used water (including sewerage and septage, grey water and black water) is safely and transported and treated along with the maximum reuse of treated used water in all cities with less than one lakh population.

He then explained existing methods of used water management. While explaining used water management approaches, he spoke on levels of management. In centralized system in a place of very high population density and where lack of space and high cost of services have been observed. This system is suitable in a core sanitation zone where households have connection to sewerage systems. In this system, used water is transferred between urban watersheds using pumping stations. The Centralized treatment facility is used and remaining water disposed off in surface water bodies (rivers or sea). The Decentralized System is implemented in outskirts areas of the city where high population density, multi-story buildings and affordability of services have been observed. This system is being used in the cities where households have IHHT and Septic tank and used water is conveyed without pumping station. In this system, treated water is disposed off in surface water bodies. The Onsite System is implemented in isolated urban pockets. Onsite system is suitable in places of low population density single-storey building and less affordability of services. In this system, households have IHHT

and septic tank / soak pits. The disposal is done by using leach pits or soak away zones. In this system, black and grey water is segregated and wastewater management is done at household level.

He explained conveyance system of used water management. In conventional sewer system, sewer is conveyed to sewerage pumping station. In solid free sewers system, smaller gradient covers more spatial area without requiring pumping stations. The planning and execution is relatively easy in this system. The water required for cleansing pipes is less and also requires less O & M in this system.



He spoke on Interception & Diversion (I&D) projects system, which is a chief component of SBM-U 2.0. As per the program, in the outskirts areas around the core sanitation zone, all the surface drains need to be intercepted and the wastewater flowing in them need to be diverted to the STP of the core sanitation zone. The components of I&D project were discussed and the function of each was explained. The nuances of designing of I&D structure were explained followed by advantages and disadvantages of I&D project on the STP.

He explained used water treatment in which the discussion was on the treatment stages to understand the treatment technologies. The primary treatment is a physical process where removal of suspended solids is done. At the secondary stage, by a biological process BOD, COD and nutrients are removed through Anaerobic, Aerobic and Facultative processes. Later, Tertiary stage was explained, which is a chemical/ Photolytic process where pathogens are removed through chlorination, ozonation and ultraviolet processes. He said that selection of appropriate technology is dependent on type of STP treatment stages. The parameters of used water treatment need to be monitored for ensuring optimal efficiency of the treatment. Non-mechanized and mechanized options are feasible for wastewater treatment system and life cycle cost should be the driving principle for selection of wastewater treatment technology. The session was concluded by emphasizing on selection of technology is the key towards effective implementation of used water management.

On the second day, the session on 'Swachh Bharat Mission - Urban 2.0 - Missions and Programmes' was conducted by Mr. Saurabh Kale, Sr. Project Manager, Ecosan Services Foundation (ESF), Pune. He focused on understanding the guidelines of Swachh Bharat Mission - Urban 2.0 and the checklist for the preparation of City Wastewater Infrastructure Status (CWWIS). He said that wastewater management and faecal sludge management were not included under Phase-I of SBM-U. While explaining the wastewater management, he highlighted that wastewater management projects need to be taken up on priority as per mandate given by the Supreme Court and the National Green Tribunal (NGT). There is a provision for heavy penalty for non-compliance of these mandates by ULBs, he added. Further, the objectives of wastewater management under SBM-U 2.0 were explained by mentioning that all statutory towns (with population less than 1 lakh) are expected to achieve ODF++ status and at least 50% of cities (less than 1 lakh population) are expected to achieve Water+ status.

Mr. Saurabh Kale, Sr. Project Manager, Ecosan Services Foundation (ESF), Pune addressing the participants.

Later, he elucidated upon components such as Sewage Treatment Plant cum FSTP, Interception and diversion infrastructure (I & D infrastructure), pumping stations, Gravity & Forced mains, Faecal Sludge Management (FSM) infrastructure, desludging trucks and solid liquid separation units and said that these were covered for funding under SBM-U 2.0. He added that components such as sewer network, strengthening of existing on-site systems such as septic tanks/soak pit etc., strengthening municipal drainage system to convey sewage to STP are not covered for funding under SMB-U 2.0.

Furthermore, proposed approach for WWM was explained by focusing on preparation of City Sanitation Action Plan (CSAP) & gap analysis, Integrated DPR preparation, DPR for sewer network for CSZ, DPR Appraisal / Approval and fund release in instalments. He also highlighted importance of City Sanitation Action Plan (CSAP) and its prerequisite in developing this plan in order to understand overall sanitation scenario. He also discussed policies and guidelines of wastewater management and mentioned that in Swachh Survekshan 2023, weightage will be given to sanitation and used water management. The financing options for sanitation and wastewater management under SBM-U and

SBM-U 2.0 also were discussed. The session ended by stating that SBM-U 2.0 mainly focuses on the wastewater and faecal sludge management, which constitute the initial step of CSAP and DPR at city level.

The next session on 'Importance of Information Education and Communication (IEC) and Stakeholders' Participation in Implementation of SBM - Urban 2.0' was conducted by Ms. Seema Redkar, Consultant Sanitation, Pratha & Hindustan Unilever Ltd., Mumbai. The session was initiated by presenting an overview of SBM-U phase - I. She emphasized on the concept of 'Swachhata' under waste management which is to make cities garbage free. Swachhata Campaign framework serves as a guiding document for States and Cities to undertake large scale multimedia campaigns along with intensive and focused inter-personal communication campaigns. It focuses on intensifying messaging around the key focus areas of source segregation, collection, transportation, and processing of waste, plastic waste management, and remediation of legacy dumpsites to truly transform the urban landscape of India. She also spoke on Swachhata Ki Jyot, a second edition of Swachhata talk. It is a peer learning webinar series for States, Urban Local Bodies and Union Territories. This practice allows sharing field experiences and best communication practices of sector partners, cities, and states in making an impact in the field of Swachhata.

She then emphasized on importance of IEC by stating that under first phase of SBM-U, Government and private sector spent huge amount on the development of the community along IEC activities. She said that volunteers are to be engaged with National Urban Livelihood Mission (NULM), National Urban Health Mission (NUHM), ASHA, Anganwadis, Self Help Groups (SHGs), NGOs, youth/women's groups, CBOs, Residents Welfare Association (RWAs) etc. She further said that ULBs need to facilitate formal creation and registration of all citizen residential areas into RWAs, CBOs, Slum Development Associations or similar bodies, to strengthen ULB's last mile connect with every household. ULBs should set up City Sanitation Committees with participation of selected citizen representatives for



periodically reviewing and monitoring the efficient functioning of the assets created. She also explained the difference between IEC and Behaviour Change Communication (BCC) by saying that IEC is used for creating awareness at community level whereas BCC is for enabling activities in the community. IEC is a process to develop communication strategies in order to promote positive behavior whereas BCC is a process of providing supportive environment which enables people to initiate and sustain positive behavior. IEC provides information to the people to behave in a particular manner whereas BCC supports people to

take an action. She talked on behavior change interventions and their developing strategies and concluded her session by emphasizing on the components such as capacity, motivation, and opportunity for inducing behaviour change.

Summing-up

At the end of the feedback session, the Vote of Thanks was proposed by Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai to the subject trainers and the participants and concluded the training programme.

Glimpses of the Web-Based Training Programme

Processing of Dry waste at MRF

- Unloading
- Sorting of Dry waste
- Baling & Bundling
- Shredding
- Weighing of sorted waste

Categories of Dry waste

- Plastic
- Paper
- Metal
- Wood
- Glass
- Leather/Rags
- Rubber
- Thermocol

Achieving Source Segregation - Reinforcement at City Level

Decentralized approach

DECENTRALISED USED WATER COLLECTION AND TREATMENT

LAYOUTS

NEW DEVELOPMENT

STP

SINGLE HOUSE

FIVE-STEP APPROACH TO STAKEHOLDER ENGAGEMENT

STEP 1: ENGAGEMENT STRATEGY

STEP 2: STAKEHOLDER MAPPING

STEP 3: PREPARATION

STEP 4: ENGAGEMENT

STEP 5: ACTION PLAN

Feedback Loop

FIVE-STEP APPROACH TO STAKEHOLDER ENGAGEMENT

- STEP 1: ENGAGEMENT STRATEGY**: Set vision and level of ambition for future engagement, and review past engagements.
- STEP 2: STAKEHOLDER MAPPING**: Define criteria for identifying and prioritizing stakeholders, and select engagement mechanisms.
- STEP 3: PREPARATION**: Focus on long-term goals to define the approach, select role logistics for the engagement, and set the rules.
- STEP 4: ENGAGEMENT**: Conduct the engagement itself, ensuring equitable sharing, equitable contributions, and managing tension while remaining focused on objectives.
- STEP 5: ACTION PLAN**: Identify opportunities from insights, and determine actions, revisit goals, and plan next steps for follow-up and future engagement.

Regional Specialized Training Programmes on

Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS

06th January 2023 and

07th January 2023 at Mumbai, Maharashtra.

Key Highlight

The participants learnt more about the importance of accuracy in Geo-tagging and updated their knowledge on compliances in MIS, especially in updating death cases.

Background

The World Urbanization Prospects report 2018 by the UN Department of Economic and Social Affairs estimated that 55 percent of the world's population is now living in urban areas and that this proportion is expected to increase to 68 percent by 2050. Pradhan Mantri Awas Yojana (Urban) Mission, launched on 25th June 2015 aims at providing housing for all in urban areas by the year 2022. The scheme is a major step towards ensuring that people get a house within their financial capability. The major objective of the scheme was to ensure provision of pucca house for every family with facilities of basic services including water connection, toilet facilities, and 24X7 electricity supply. In pursuance of the vision of Government of India towards facilitating 'Housing for All by 2022', the Ministry of Housing and Urban Affairs (MoHUA), Government of India (GoI), State Governments and Urban Local Bodies (ULBs) have taken several measures to implement the housing projects under PMAY (Urban) in cities.

In this regard, knowledge in various thematic areas, such as housing technologies, innovative designs, housing finances, development policies, comparative analysis etc. is being imparted to all the concerned authorities. Efforts are being made towards planning and formulation of policy documents, tender documents and Housing for All Plan of Action. Besides Detailed Project Reports (DPRs), innovative housing designs and Public Private Partnership (PPP) projects have been worked out. At the same time, capacities of concerned municipal officials are required to be enhanced for effective and timely implementation of housing projects in order to achieve the mission objective within the stipulated time-frame.

The Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai conducted **Regional Specialized Training Programmes on 'Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS' on 6th January 2023 & 7th January 2023 at Mumbai, Maharashtra.** These training programmes were supported by the MoHUA, GoI.

Key Objective

The key objective of these training programmes was to understand the functioning of MIS for monitoring the progress of implementation of PMAY (U) at ULB level.

Participation

In all 17 participants comprising Chief Executive Officers, Dy. Town Planner, CLTC Engineers, MIS Specialists, from the states of Maharashtra and Gujarat attended these training programmes.

Introduction

Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai initiated the first training programme by welcoming Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG, India, distinguished trainers / subject experts and the participants. She gave the background of RCUES, Mumbai and its working and spoke about the prerequisite of these training programmes. It is necessary for each and every PMAY (U) functionary to understand the functioning of MIS portal to portray city wide performance under PMAY (U). This is a good opportunity to resolve the issues and challenges tackled during implementation of PMAY (U) components at city level, she said.

The second training programme was initiated by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai.



Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

Inauguration



Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG, India inaugurated the training programme by lighting the lamp.

Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG inaugurated the training programme. In his inaugural address, he spoke about increasing urbanization and emerging need for houses in cities. He further stated that Government of India (GoI) has The Multidimensional Poverty Index which reflects both the incidence and the intensity of multidimensional poverty, which helps to create a comprehensive picture of the people living in poverty and allows for comparisons between countries, as well as within countries by urban / rural locations, and other characteristics of households and communities. Earlier, poverty definition was

in terms of calories. The Global Multidimensional Poverty Index (MPI) identifies multiple deprivations at the household and individual level in health, education and standard of living - the same three dimensions like the Human Development Index (HDI). The Government of India accepted MPI which is closely connected to HDI.

Further, he focused on housing component, which is one of the indicators of HDI under standard of living. He mentioned about how implementation of PMAY mission is effective through assessment of the housing component of HDI under Standard of Living. He wished a great success to the training programme.

Technical Sessions

The first technical session on 'Compliances in MIS under PMAY (U)' was delivered by Ms. Payal Singwi, Advisory Consultant, PMAY (U), MHADA, Mumbai. The session was focused on curtailment of Detailed Project Report (DPR) in implementing PMAY (U) at city level, which is a significant component of MIS. Ms. Singwi explained the process of submitting curtailment of DPR by stating that identification of the beneficiaries who have not yet grounded their homes and issuing notices to them to start/ground the home, are the significant steps in curtailment of DPR. The beneficiary can be identified, who does not have interest in the scheme anymore after the timeline of the notices are over. The next step could be preparation of the list of beneficiary which needs to be curtailed from originally approved Central Sanctioning and Monitoring Committee (CSMC) beneficiary list. Simultaneously, it is indispensable to prepare the list of beneficiaries which have grounded their home or willing to ground along with caste and gender bifurcation. She further said that the estimation of project cost can be done based on Central and State assistance, ULB and beneficiary's share. After the curtailed beneficiary list is finalized, the remaining beneficiaries are marked on Development Plan (DP) and ward-wise summary of the beneficiaries which have grounded their homes and willing to ground is provided.

She then explained the process of revision of project (removal / reduction of beneficiaries) in which, ULB's can only remove the beneficiaries from the beneficiaries already attached in the original project, and they will not be allowed adding any further beneficiaries. CSMC approval is required for any revision of the projects. If cities / ULBs want to revise their project; they have to contact the State MIS team and further they have to contact the Central MIS Expert after state approval, for getting approval in the CSMC Login. Before approaching the MIS expert for revision, cities have to attach all the beneficiaries' list in the CSMC approved project. After the CSMC approval, they will be allowed to remove/reduce the beneficiary in the revised project of the cities. It is not permissible for the cities/ ULBs to add any new beneficiaries in the revised project. After the CSMC approval for revision, cities have to revise their project within 15 days from the date of CSMC approval from the Central Login, she added.



Ms. Payal Singwi, Advisory Consultant, PMAY (U), MHADA, Mumbai addressing the participants.

Further, the process of updating of the Death Cases was explained. She said that for uploading of beneficiary's death certificate details, module has been developed in PMAY (U). Before uploading the legal heir's details, the details of the beneficiary's family members should have been entered in PMAY (U) MIS. The family member whose Aadhar details are entered in MIS and if his/her age is more than 18 years, he/she can be selected as a legal heir of the house. For uploading legal heir's details, after entering all the required details against legal heir, ULB should forward a request to State Level Nodal Agencies (SLNA), who will validate the legal heir details, and forward the request to the Central Government. After accepting the request by Central Government, the legal heir's details will be incorporated in PMAY (U) MIS. The session was concluded by recapping the significance of compliance of curtailment of DPR and updating death cases in MIS under PMAY (U).

The next session on 'BHUVAN HFA Mobile Application and Geo-tagging in Implementation of PMAY (U)' was delivered by Dr. Piyush Mahore, Managing Consultant, PMAY, MHADA, Mumbai. Dr. Mahore initiated the session by mentioning that geo-tagging is a dynamic tool, which enables the user to monitor the different stages of progress of built/grounded houses under PMAY (U) through Bhuvan

HFA App. He also talked on advisory for all states and UTs on Geo tagging for BLC component under PMAY (U). The Standard Operating Procedures (SOPs) of BHUVAN and BHARAT HAF Mobile applications were explained. BHARAT HFA app is used to capture data of AHP and ISSR projects whereas BHUVAN app is used for BLC component under PMAY (U).



Dr. Piyush Mahore, Managing Consultant, PMAY, MHADA, Mumbai addressing the participants.

The stages involved in using Bhuvan App in implementing PMAY (U) were elucidated. Initially, beneficiaries' database need to be created, and after that authorizing and orienting of supervisors is done by creating logins on Bhuvan portal. Then, surveyors collect and upload house images in Bhuvan mobile App after which authorized users generate reports in Bhuvan Geo-platform.

This App is a comprehensible mobile application which enables the user to gather geo-tagged information and monitor different stages of constructing houses. The installation process and how geo-tagging of houses under Beneficiary Led Construction (BLC) is

done through this mobile App was explained. After the elucidation of installation and implementation process, Dr. Mohare further explained the types of reports (district wise, city wise, projects wise, construction stages wise and beneficiaries' id wise), which can be generated through the dashboard. He added that subsequent stages need to be followed up in effective implementation of PMAY (U). The session was concluded by emphasizing the importance of accurate geo-tagging under PMAY (U) mission.

Group Exercise

In the first training programme, the group exercise was conducted by dividing the participants into three groups. Each group was given a role play to be conducted as MHADA, ULB and beneficiary. The participants discussed among themselves the challenges tackled by beneficiaries and other issues. The group presented the role of beneficiaries, and explained the challenges they faced during handling MIS portal and other related challenges. The group playing the role of ULBs, explained limitations in implementing the mission. The group presented the role of MHADA, and explained the process of reaching out to them through proper channel. The group for ULBs explained the efforts taken by the ULBs.

This exercise helped in understanding each of the stakeholders' role and responsibilities in effective implementation of PMAY.

Summing-up

The first training programme was concluded by Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai by proposing a Vote of Thanks to the trainers/subject experts and the participants after the feedback session. The second training programme was concluded by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai.

Glimpses of the Specialized Training Programmes



Regional Specialized Training Programme on

City Level Approach in Implementing Missions and Programmes

18th January 2023 at Guwahati, Assam.

Key Highlight

In this training programme, the participants updated their knowledge on convergence of PMAY & NULM missions to generate livelihood opportunities in their respective ULBs.

Background

The Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI) is implementing various flagship missions and programmes such as Swachh Bharat Mission - Urban (SBM-U) 2.0, National Urban Livelihoods Mission (NULM), Pradhan Mantri Awas Yojana - Urban (PMAY-U), Smart City Mission (SCM), Atal Mission for Rejuvenation & Urban Transformation (AMRUT) 2.0 in order to promote sustainable and inclusive cities that provide core infrastructure and give a decent quality of life to its citizens, a clean and sustainable environment, sustainable livelihoods and application of 'Smart' Solutions.

The collective city level efforts of Urban Local Bodies (ULBs) along with the multiple stakeholders in creating synergies in effective implementation of the said missions and programmes is an impetus for sustainable development and effective urban governance. The city administrators play a vibrant role in implementing these missions at city level for good governance and citizens' welfare. It is a necessity to understand the city level approach to be adopted by city administrators in synergy with other stakeholders in its implementation at city level.

With this background, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai conducted a **Regional Specialized Training Programme on 'City Level Approach in Implementing Missions and Programmes' on 18th January 2023 at Guwahati, Assam.** This training programme was supported by the MoHUA, GoI.

Key Objective

The key objective of this training programme was to discuss the significant role of city administrators and other stakeholders in adapting city level approach in implementing various missions and programmes for effective urban governance and sustainable development.

Participation

In all 23 participants comprising State Mission Manager, Municipal Engineers, Civil Consultants -AMRUT, Water Supply Consultants, GIS Consultants, NULM functionaries, MIS Specialists from Assam State attended this training programme.

Introduction

Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai commenced this training programme by welcoming Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG, India, distinguished trainers/subject experts and the participants. She gave the background of RCUES, Mumbai and its activities and spoke about the significance of this training programme. She said that this training programme created an opportunity to understand the current status of all flagship missions at the same platform. This training programme may allow us to explore opportunities of convergence of missions for its effective implementation.



Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

Inauguration



Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG, India inaugurated the training programme by lighting the lamp.

Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG inaugurated the training programme. Ms. Panchami Choudhury, State Mission Director, DAY-NULM & Dy. Secretary, Department of Housing & Urban Affairs, Government of Assam and Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai were present during the inauguration.

Technical Sessions

The first technical session on 'City Level Approach for Missions' was delivered by Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG, India. Initially, he spoke on democracy and its advantages and obligatory functions of municipal bodies. Later, he spoke on anti-poverty programmes in which he explained about wage employment and self-employment schemes. He said that organizing urban poor in Self-Help Groups (SHGs), creating opportunities for skill development leading to market-based employment and helping urban poor to set off self-employment ventures by ensuring easy access to credit are



Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG addressing the participants.

significant indicators under DAY-NULM. He elaborated upon the Multidimensional Poverty Index (MPI), which gives one-third weightage to health, one-third to education and one-third to standard of living. Thus, nutrition, child mortality, years of schooling, school attendance, sanitation, cooking fuel, drinking water, electricity, housing and assets, all these components get covered. From 2005-06 to 2015-16, the poverty rates in India almost halved from 54.7% to 27.5% with 27.1 crore people crossing the poverty line. It has been further reduced to 25% by 2021. He talked on SBM, AMRUT, Infrastructure programmes like Jawaharlal Nehru National Urban Renewal Mission (JNNURM) and Integrated Development of Small & Medium Towns (IDSMT) and highlighted the best performing city under each mission.



Ms. Panchami Choudhury, State Mission Director, DAY-NULM, & Deputy Secretary, Department of Housing & Urban Affairs, Government of Assam addressing the participants.

The next session on 'Progress & Challenges in Implementing DAY - NULM in Assam State' was conducted by Ms. Panchami Choudhury, State Mission Director, DAY-NULM, & Deputy Secretary, Department of Housing & Urban Affairs, Government of Assam. Ms. Choudhury began the session by saying that DAY-NULM was implemented in the State of Assam in the year 2015-16 covering 25 District Head Quarters towns and eventually it was expanded to 79 additional towns, making a total coverage of 104 towns in the state. She said that improving the livelihoods opportunities for the poor in urban areas can be achieved through key interventions such as forming strong grassroots level community institutions

(SHGs/ALFs), skill development and Self-employment to urban youths, providing shelters to urban homeless, and addressing the livelihood concerns of street vendors.

The current implementation status under NULM's Social Mobilization & Institution Development (SM & ID) component in the state of Assam was discussed, where the information on number of SHGs formed, revolving fund support given to SHGs was shared. The key initiative – Har Ghar Tiranga was undertaken under SM & ID component of NULM. A total of 1009 SHGs under DAY-NULM involved in flag making under the campaign in 2022. She also spoke on key initiatives undertaken under NULM in the state of Assam. On-boarding of SHG products and uniform branding of them on E-commerce portal are the activities under SM & ID component of NULM. The MoHUA, GoI has developed a Brand Name 'SonChiraiya' and its logo to increase the market outreach of SHG products on e-commerce portals – Flipkart & Amazon from Assam state. The Secretary, MoHUA, GoI has officially launched the brand name and logo. These initiatives during pandemic developed livelihood opportunities and generated revenue for achieving sustainability.

She later spoke on PM Street Vendor's AtmaNirbhar Nidhi (PM SVANidhi), the scheme to facilitate street vendors to access affordable working capital loan for resuming their livelihoods activities, after easing of lockdown. The COVID-19 pandemic and consequent lockdowns adversely impacted the livelihoods of street vendors. They usually work with a small capital base, which they might have consumed during the lockdown. Therefore, credit for working capital to street vendors will be helpful to resume their livelihoods. She explained challenges of the scheme faced by Assam State during its implementation at ULB level. A few of the challenges are listed here such as Corpus fund is not allocated for City Level Federation (CLF), discouraging Area Level Federations (ALF) to form CLF, registration of ALF under Cooperative Department taking longer time, lack of sufficient budget for extensive training and capacity building for SHG members on up-scaling, product standardization, branding etc. She added that although banks provide SHG loan, however, they are reluctant to sanction individual loan under Self Employment

Programme (SEP). NULM officials are mobilizing applications under PM SVANidhi scheme. However, banks are delaying sanction and disbursement of loans which deprives the street vendors to avail the scheme benefits in time. She concluded the session by stating that the existing components under NULM have been extended provisionally till 31st March, 2023. DAY-NULM 2.0 is scheduled to be launched and implemented tentatively from FY 2023-24.

The next session on 'Current Status of Implementation of AMRUT 2.0 in Assam State' was delivered by Ms. Natasha Kakaty, Consultant - Civil, AMRUT, Government of Assam, Guwahati. The session initiated by giving background of AMRUT phase - I. GIS based Master Plan for 4 cities and Local Area Plan for Guwahati, water supply projects and development of park projects under AMRUT were explained. She then elucidated the flow chart of water intake (Surface water from River Brahmaputra) and how the network is distributed to households. Later, she focused on AMRUT 2.0, launched in October 2021 to achieve the status of AatmaNirbhar Bharat.



Ms. Natasha Kakaty, Consultant - Civil, AMRUT, Government of Assam, Guwahati addressing the participants.

She added that the projects have to be submitted in three equal Tranches and the fund will be released in three instalments with ratio of 20:40:40 under AMRUT 2.0. She explained in detail three Tranches and activities approved and funds to be released under each Tranche. In the first Tranche, nine water supply schemes have been approved by GoI. Seven water supply schemes, for rejuvenation of water bodies and one Sewage Treatment Plant (STP) cum Faecal Sludge Treatment Plant (FSTP) project has been approved by GoI as second Tranche of the fund. She spoke on special Tranche in which, thirty rejuvenation of water bodies covering 27 ULBs have been approved by GoI. In the third Tranche, seven water supply schemes and one STP cum FSTP project have been approved by State-level High Powered Steering Committee (SHPS) for submission before Apex Committee, MoHUA, GoI for final approval, she added.

She further stated that AMRIT Sarovar Mahotsav was held across the country in the month of August, 2022. Melas were organized at the banks of clean water bodies in urban areas to create awareness amongst public to keep such water bodies clean. Amrit Sarovar Mahotsav was celebrated in the vicinity of 52 water bodies across Assam where minimum work to rejuvenate such water bodies has been incorporated. She also stated that Pay Jal Survekshan is conducted in cities to ascertain equitable distribution of water, reuse of wastewater and mapping of water bodies. She concluded the session by mentioning that AMRUT 2.0 is a step towards AatmaNirbhar Bharat with aim of making the cities 'water secure'.

The next session on 'Good Initiatives adopted through Implementing Missions & Programmes' was delivered by Mr. Pravakar Chakraborty, State Project Officer, IEC, PMAY, Government of Assam. Mr. Chakraborty initiated the session by giving an overview of components of PMAY (U). He stated that Assam State started implementation of PMAY mission since 2017 though it was launched in 2015. He further mentioned that after 2017, MoHUA, GoI have accepted voter ID as a unique identifier for Economically Weaker Section (EWS) beneficiaries. He explained the status of implementation of PMAY in Assam State till January 2023 by mentioning the number of beneficiaries received first, second and third installments for construction of houses and total number of grounded and completed houses. He later spoke on the progress of Credit Linked Subsidy Scheme (CLSS), Affordable Housing in Partnership (AHP) and In-Situ Slum Redevelopment (ISSR) by describing number of beneficiaries who availed subsidy, amount sanctioned and the projects started under the said schemes.

After the overview on implementation status at Assam State, he spoke on good initiatives adopted in Assam State under the mission. The first initiative was Griha Adhaxila / Shilanyas in which foundation stone laying ceremony was performed to expedite the grounding houses under PMAY. Elected representatives were associated in this initiative. Another initiative was Griha Pravesh Samaroh in



Mr. Pravakar Chakraborty, State Project Officer, IEC, PMAY, Government of Assam addressing the participants.

which house warming ceremony was performed after completion of houses under the mission. MPs, MLAs, Deputy Commissioners, Executive Officers were associated in the ceremony. This involvement of important dignitaries gives the beneficiaries a sense of satisfaction and importance of completing the houses in time. These practices act as encouragement to other beneficiaries to complete their houses within the stipulated time. The session was concluded by depicting the pictures of good initiatives adopted under the mission. After this session, the participants discussed the possibilities of converging PMAY & NULM mission to generate livelihoods opportunities.

Summing-up

The training programme was concluded by proposing a Vote of Thanks to the distinguished trainers and the participants by Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai after feedback session.

Glimpses of the Specialized Training Programme



Regional Specialized Training Programme on

City Level Approach in Implementing Programme on National Missions

30th - 31st January 2023 at Ahmedabad, Gujarat.

Key Highlight

In this training programme, the participants gained the knowledge of Public Transport Ecosystem in Smart City Projects through technology interventions to promote sustainability in urban transport under Smart City Mission.

Background

The Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI) is implementing various flagship missions and programmes such as Swachh Bharat Mission - Urban (SBM-U) 2.0, National Urban Livelihoods Mission (NULM), Pradhan Mantri Awas Yojana - Urban (PMAY-U), Smart City Mission (SCM), Atal Mission for Rejuvenation & Urban Transformation (AMRUT) 2.0 to promote sustainable and inclusive cities that aims at providing core infrastructure in the cities and giving a decent quality of life to its citizens, a clean and sustainable environment, sustainable livelihoods and application of 'Smart' Solutions.

The collective city level efforts of Urban Local Bodies (ULBs) along with the multiple stakeholders in creating synergies in effective implementation of the said missions and programmes, is an impetus for sustainable development and effective urban governance. The city administrators play a vibrant role in implementing these missions at city level for good governance and citizens' welfare. It is necessary to understand the city level approach to be adopted by city administrators in synergy with other stakeholders in its implementation at city level.

The Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai conducted a **Regional Specialized Training Programme on 'City Level Approach in Implementing Programme on National Missions' on 30th - 31st January 2023 at Ahmedabad, Gujarat.** This training programme was supported by the MoHUA, GoI.

Key Objective

The key objective of this training programme was to discuss the significant role of city administrators and other stakeholders in adapting city level approach in implementing various missions and programmes for effective urban governance and sustainable development.

Participation

In all 29 participants comprising Elected Representatives, Sr. Project Consultants, Welfare Officers, Health Officers, Assistant Works Manager, Sanitary Inspectors, IT Experts from Gujarat State attended this training programme.

Introduction

This training programme was initiated by Mr. Dinesh Patel, Regional Director, AIILSG, Vadodara by welcoming the dignitaries on the dais. Later, Ms. Neha Hardikar, Sr. Research Officer, RCUES, AIILSG, Mumbai said that this training programme provides an opportunity to understand the current status of all flagship missions at the same platform. This training programme may allow us to explore opportunities of convergence of various missions to enhance livelihood opportunities and aid effective implementation.



Ms. Neha Hardikar, Sr. Research Officer, RCUES, AIILSG, Mumbai addressing the participants.

Inauguration



Mr. Hitesh Makwana, Hon'ble Mayor, Gandhinagar Municipal Corporation inaugurated the training programme by lighting the lamp in the presence of Ms. Hansa Patel, Executive Advisor, AIILSG, Vadodara.

Mr. Hitesh Makwana, Hon'ble Mayor, Gandhinagar Municipal Corporation, Gujarat inaugurated this training programme. Ms. Hansa Patel, Executive Advisor, AIILSG, Vadodara was also present during the inauguration. Ms. Hansa Patel felicitated Mr. Hitesh Makwana, Hon'ble Mayor of Gandhinagar by presenting a memento.

Technical Sessions

The first technical session on 'Current Status of Implementation of AMRUT 2.0 in Gujarat State' was delivered by Mr. Devang Shah, Director, Himadri Enviro-Protection Consultants Pvt. Ltd., Ahmedabad. He initiated the session by explaining the significance of developing water secure cities in India. He added that this objective can be achieved through infrastructure development in the water supply and sewerage sector by focusing on 100% tap water in all cities and 100% sewer connection in AMRUT 1.0 cities. He explained infrastructure components and mandatory as well as optional reforms under AMRUT.



Mr. Devang Shah, Director, Himadri Enviro-Protection Consultants Pvt. Ltd., Ahmedabad addressing the participants.

He further elucidated upon evolution of stages since Integrated Development of Small & Medium Towns (IDSMT) scheme, followed by JnNURM in 2006 and then AMRUT/ SBM in 2015, while explaining Underground Sewerage System (USS) in AMRUT. There is a need to have more efforts on feasibility, network optimization, technology options and innovations in design and implementation for underground sewerage system for small towns, he added. He depicted pictures of different types of sewer cleaning equipment being used in underground sewerage system. The key issues and challenges during implementation and O & M stage of USS were explained and discussed on planning and proposed funding pattern under the mission.

He summarized his presentations by saying that the present scenario depicts that systems designed for 30 years call for augmentation within 10-20 years, which must be addressed meticulously. There is substantial improvement in technology to ensure better quality with certain time. Quality control, supervision, third party inspection needs review thoroughly.



The next session on 'Technology Interventions for Public Transport Ecosystem in Smart City Projects' was conducted by Ms. Nidhi Shah, Consultant, Price waterhouse Coopers (PwC) Pvt. Ltd., India, Ahmedabad. Ms. Shah commenced the session by stating that in order to promote sustainability and implementation of smart solutions for the urban transport ecosystem under Smart City Mission, there has been a change from manual to automated monitoring of the public transport services with the technology interventions coming into operations. The aspects for an efficient mobility ecosystem are interlinked with the digital age where Smart and Connected

Mobility refers to an 'Information Everywhere' ecosystem with the objective of integrated mobility. She further said that the implementation of Intelligent Transit System (ITS) applications mainly for traffic management, citizen information, public transport, and commercial vehicle operations have been in major demand across the Indian smart cities. For effective mobility ecosystem in Ahmedabad city and sustainable operations & data led governance, the three factors play a pivotal role namely: (a) integrated systems driving better efficiency, (b) direct visibility on ground through improved decision making performance parameters, and (c) improved operations through data analytics. These factors pave a way for a new concept which can be aligned with both current and future mobility demands of users, namely intermodal, personalized, on-demand and seamless use - Mobility as a Service (MaaS). It is the future state of the city's transport demand with integration and access to different transport services (such as public transport, ride-sharing, car-sharing, bike-sharing, scooter-sharing, taxi, car rental, ride-hailing etc.) in one single digital mobility platform with an efficient public transport system at its core.

She concluded the session by stating that Ahmedabad city is at the forefront in implementing the smart solutions for urban transport projects namely ITMS and AFCS system for Bus Rapid Transit (BRT) services and Ahmedabad Municipal Transport Service (AMTS), Common Card Payment System and non-motorized transport system of the city.

On the second day, the session on 'Issues and Challenges in Implementing Solid Waste Management in Gujarat' was conducted by Ms. Monika Patel, Environmental Engineer (SWM), Ahmedabad Municipal Corporation (AMC), Gujarat. She commenced the session by highlighting on Ahmedabad as an award winning Cleanest Mega City consecutively for four years under Swachh Survekshan (SS) and further mentioned about the door to door waste collection system established in Ahmedabad city.

The entire waste collection system is monitored through GPS system. She said that more than 165 closed body vehicles are deployed for waste collection from the nuisance spots from August 2019. The collected waste through this system is transported to nearby Refuse Transfer Stations (RTS). She also explained that AMC has constructed minimum one RTS with capacity of 300 - 350 TPD in all Seven Zones. Currently 8 RTSs are operational in the seven zones. Each RTS has 2 to 3 Stationary Compactors, 9 Large Hook Loader Vehicles and 11 Large Containers with capacity to carry 12 to 15 MT waste. These RTSs were constructed by AMC and given on O&M basis. She also added that these transfer stations helps AMC to save on transportation cost, reduce pollution and ease traffic congestion, and effective and speedily collection of waste.



Ms. Monika Patel, Environmental Engineer (SWM), AMC, Gujarat addressing the participants.

She talked on bio-mining of Pirana dump site, a pilot project initiated by AMC, Gujarat. More than 72 lakh MT legacy waste is cleared and approximately 35 acres land reclaimed through this project till date. She further spoke on the challenges for waste segregation at source due to lack of awareness and concluded her session by saying that segregation can only be successful if there is a behaviour change in people and appropriate facilities are provided to them.

Mr. Mayank Meena, Project Manager, AILSG, New Delhi spoke on Urban 20, in which he explained about G20, which is the premier forum for international economic cooperation. It plays an important role in shaping and strengthening global architecture and governance on all major international economic issues. India holds the Presidency of the G20 from 1st December 2022 to 30th November 2023. The G20 Summit is held annually, under the leadership of a rotating Presidency. The G20 initially



Mr. Mayank Meena, Project Manager, AILSG, New Delhi addressing the participants.

focused largely on broad macroeconomic issues, but it has since expanded its agenda to inter-alia include trade, climate change, sustainable development, health, agriculture, energy, environment, climate change, and anti-corruption. He also spoke on how G20 works.

He then explained that the U20 brings together a group of Participating Cities from G20 countries represented by a city Sherpa and Mayor in two key events namely, the Sherpa meeting and the Mayoral Summit. He concluded by stating the expected outcome of U20.

Summing-up

Mr. R. A. Merza, IAS, Dy. Municipal Commissioner, AMC, Gujarat graced the concluding session by his presence. Ms. Hansa Patel, Executive Advisor, AILSG, Vadodara welcomed Mr. Merza and felicitated him by offering a memento. The certificates were distributed at the hands of Mr. Merza to the participants. The training programme was concluded by proposing a Vote of Thanks to the

distinguished trainers and the participants by Ms. Neha Hardikar, Sr. Research Officer, RCUES, AIILSG, Mumbai after the feedback session.

Glimpses of the Specialized Training Programme



Regional Specialized Training Programme on

Deendayal Antyodaya Yojana – National Urban Livelihoods Mission (DAY-NULM)

07th - 08th February 2023 at Surat, Gujarat.

Key Highlight

The key highlight of this programme was the exposure site visit conducted at Surat to exhibit the good practices of 'Shelter for Urban Homeless' to the participants.

Background

Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM) was launched by the then Ministry of Housing and Urban Poverty Alleviation (MoHUPA), Government of India (GoI) in 2013. Its objectives included reducing poverty and vulnerability of the urban poor households by enabling them to access gainful self-employment and skilled wage employment opportunities, resulting in an appreciable improvement in their livelihoods on a sustainable basis, through building strong grassroots level institutions of the poor. The mission also aims at providing shelters equipped with essential services to the urban homeless in a phased manner. In addition, the mission also addresses livelihood concerns of the urban street vendors by facilitating access to suitable spaces, institutional credit, social security and skills for accessing emerging market opportunities.

With this background, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai organized a **Regional Specialized Training Programme on 'Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM)' on 7th - 8th February, 2023 at Surat, Gujarat.** This training programme was supported by the Ministry of Housing and Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

The key objective of this training programme was to encourage the Urban Local Bodies (ULBs) and other stakeholders in effective implementation of DAY-NULM for sustainable livelihoods opportunities.

Participation

In all 49 participants comprising Hon'ble Mayors, Elected Representatives, Project Officers, Dy. Project Officers, Community Organizers, MIS Managers – Self-Employment Programme (SEP), Representatives of Area Level Federation (ALF) and City Level Federation (CLF) from the State of Gujarat attended this training programme.

Introduction

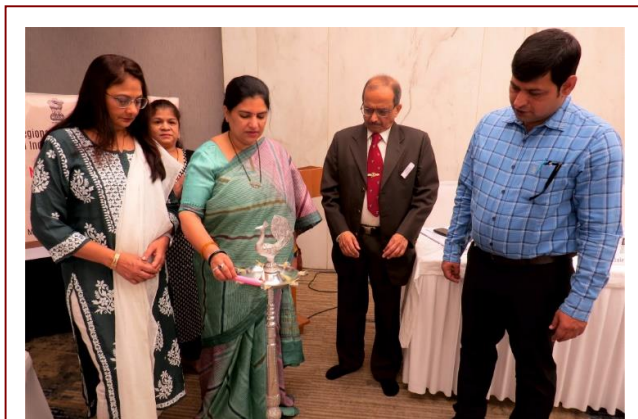


Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

The training programme was commenced with an introduction by Ms. Maleka Ansari, Sr. Research Officer (SRO), RCUES, AILSG, Mumbai. She welcomed the dignitaries, resource persons and participants. She briefed them about the objective of the training programme and also mentioned the activities conducted by RCUES, Mumbai in training, capacity building and research. The two-days training programme included presentations by the experts, and exposure visits to show the good practices developed under the component of Shelter for Urban Homeless (SUH), as under the mission.

Inauguration

The specialized training programme was inaugurated by Ms. Hemaliben Boghawala, Hon'ble Mayor, Surat Municipal Corporation (SMC), Gujarat in presence of Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG, India by lighting the traditional lamp. In her inaugural address, she said that the urban informal sector comprises a large part of the unorganized economy, low level of education and skill in the unorganized sector workers have resulted in their inability to access the opportunities offered by emerging markets. This underscores the criticality of skills up-gradation for better livelihood opportunities in urban areas. Further she said that DAY-NULM envisages universal social mobilization of urban poor into Self Help Groups (SHGs) and forming their federation. At the end of her inaugural session, she re-iterated that the SUH component of the mission supports the poor section of the society and aims at providing shelter and a healthy environment by reducing their vulnerable conditions.

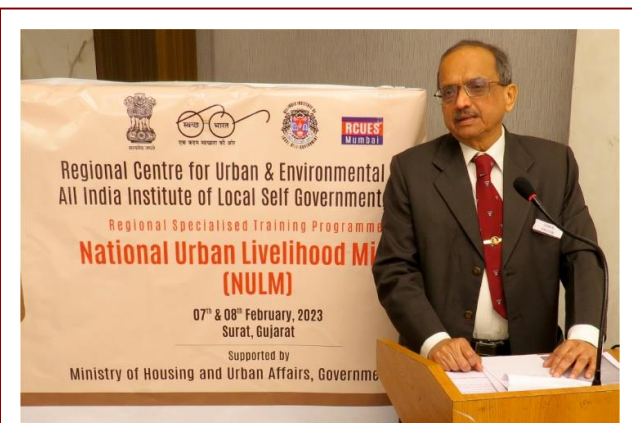


Ms. Hemaliben Boghawala, Hon'ble Mayor, Surat Municipal Corporation (SMC), Gujarat inaugurated the training programme by lighting the lamp.

Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG, India gave the keynote address in which he highlighted that in order to implement various components of the DAY-NULM, formation of strong grassroots level institutions of the poor are important in order to reduce poverty and vulnerability at community level.

Technical Sessions

The first session on 'Need for Convergence in Planning and Implementation of Missions and Programmes' sponsored by Government of India' was conducted by Dr. Jairaj Phatak. He commenced the session with an all-time appealing quote by Abraham Lincoln that "Democracy is Government by the People, of the People and for the People" by highlighting the intent of the quote. He briefly discussed the concept of welfare, happiness, development and efficiency in the context of citizens and



Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG addressing the participants.

welfare policies for the people at large. Further he mentioned the obligatory functions of the ULBs and anti-poverty programmes which are implemented in rural as well as urban areas of our country. In concluding his session, he presented an overview of the current scenario of various missions as are being implemented in urban areas by mentioning their funding pattern towards development of infrastructure as well as socio physical achievements. He advised the participants to make efforts to devise local level strategies in order to improve livelihood opportunities under DAY-NULM.

The next session on 'Convergence of DAY-NULM & Pradhan Mantri Formalization of Micro-Food Processing Enterprises (PM FME)' was conducted by Mr. Mayank Mishra, National Mission Manager, DAY-NULM, MoHUA, Gol, New Delhi. Beginning his session, he discussed DAY-NULM by stating that it is Centrally Sponsored Scheme, launched in 2014, aiming to uplift urban poor like street vendors, slum dwellers, homeless, rag pickers, unemployed and differently-abled etc. by enhancing sustainable livelihood opportunities through skill development and employment. He further mentioned the provision of subsidies to urban poor i.e., interest subsidy of 5% - 7% for setting up individual micro-enterprises with the loan of up to 2 lakhs and for group enterprises with a loan limit of up to Rs.10 lakhs.

Further he explained the PM FME by elaborating upon the concept of One District One Product (ODOP) approach. He said that the ODOP is a strategy introduced to promote sale of local products like agri, food, non-agri, minor forest etc. He gave the detailed information about the PM FME which is centrally sponsored scheme introduced by the Ministry of Food Processing Industries (MoFPI), Gol in June, 2020 by forming partnership with the State/UT Governments for providing financial, technical and business support for up-gradation of the existing micro food processing enterprises. It is a five-year



Mr. Mayank Mishra, National Mission Manager, DAY-NULM, MoHUA, Gol, New Delhi addressing the participants.

project including funding pattern in 60:40 ratio between Central and State Governments. He also discussed the provision of seed capital @ Rs. 40000/- per member of SHG as a working capital and purchase of small tools. Further he pointed to the need for convergence of DAY-NULM & PM FME to ensure the positive outcomes of the mission at the bottom level of the community.

The next session on 'Good Initiatives under NULM' was conducted by Dr. Gayatri Jariwala, Dy. Municipal Commissioner, SMC, Gujarat. She briefly discussed the Central and State Government schemes implemented by SMC including DAY-NULM, PM Street Vendors AtmaNirbhar Nidhi (PM SVANidhi), Mukhyamantri Mahila Utkarsh Yojana (MMUY). She elaborated upon the livelihood projects supported by SMC by highlighting Garib Kalyan Mela, Sevasetu programme etc. She stated that the DAY-NULM envisages universal social mobilization of urban poor into SHGs and their federations. These groups are intended to serve as a support system for the poor, to meet their

financial and social needs. In addition, DAY-NULM lays emphasis on the betterment efforts for the vulnerable sections of the urban population such as SCs, STs, minorities, female-headed households, persons with disabilities, the destitute, migrant labourers and especially vulnerable occupational groups such as street vendors, rag pickers, domestic workers, beggars, construction workers etc.

Further she focused upon the achievements under implementation of the DAY-NULM especially the components of creating livelihood opportunities through skill training and providing financial



Dr. Gayatri Jariwala, Dy. Municipal Commissioner, SMC, Gujarat addressing the participants.

assistance to start micro enterprises. She spoke about livelihoods projects implemented for the urban poor and vulnerable section of society including Pink Auto, Pink E-Auto, AVSAR etc., by collaborating with Airport Authority of India, One Station One Product with the support of Ministry of Railway to promote Vocal for Local Vision, Rakhi and Navaratri mela, Green Ganesha, reuse of waste items during festival of Ganesh immersion, empowerment of women by providing training in making artificial ornament under HUNNAR project and cotton bags by facilitating markets and raw materials.

On the second day, a session on 'ULBs Presentation on NULM Implementation' was taken by Mr. Ranchhodhbhai Patel, Project Officer, DAY-NULM, SMC, Gujarat and Ms. Dipti Aagoriya, Sr. Community Organizer, Rajkot Municipal Corporation, Gujarat. They briefed about the strategies adopted for implementation of DAY-NULM components, challenges faced during the implementation and outcomes under DAY-NULM in their cities. Mr. Patel initiated with a brief description of various components implemented under DAY-NULM in Surat city. Further he explained the



Mr. Ranchhodhbhai Patel, Project Officer, DAY-NULM, SMC, Gujarat addressing the participants.



Ms. Dipti Aagoriya, Sr. Community Organizer, Rajkot Municipal Corporation, Gujarat addressing the participants.

gist of the successful projects completed under the mission in collaboration with other stakeholders under PPP to create sustainable livelihoods opportunities in Surat for women. Ms. Aagoriya discussed the strategies adopted for implementation of various components under DAY-NULM, challenges faced during the implementation and outcomes benefitted under the mission.

Group Exercise

After the session, a group exercise was conducted in preparation of an action plan for achieving convergence in implementation of all missions and programmes. Eight groups were formed comprising 6 to 7 participants in each group. The participants were involved in group exercise with live discussion among them. Each group developed a framework for achieving convergence during implementation of various missions and programmes, in their cities. Each group presented their action plan. The best group was awarded a token of appreciation for best plan preparation and presentation amongst the eight groups.



Participants engaged in group exercise.

Site Visit

A site visit was organized in the post lunch session at Althan area of Surat city. Ms. Kavita Desai, Dy. Project Office (DPO), DAY-NULM, SMC, Gujarat welcomed participants. She briefly explained the formation of Shelter for Urban Homeless (SUH) at Althan area and its management. Further she informed that it is a SUH situated at Althan- Bhatar area, near Soham Circle in south west zone of SMC with a capacity of 384 beneficiaries' accommodation. It was constructed in accordance with the DAY-NULM guidelines on a 40640 sq. area that includes 25 family rooms and 11 dormitories. It has a kitchen facility, washing area and sufficient toilet bathrooms for male, female and the persons with special needs. SUH at Althan area has provided accommodation to old and disabled persons at ground floor.



Participants during the site visit at SUH at Althan area of Surat city.

The internal management of SUH is handed over to Jyoti Samajik Seva Sanstha (JSSS) by SMC, Gujarat. Mr. Tarun Mishra & Ms. Jyoti Pandya, Project Manager, discussed with participants about the facilities provided for the homeless like recreation activities area, library, locker room, study area etc. All basic facilities and services like free food, efforts for children's education and admission in school, medical facilities to all inmates of shelter, Reproductive Child Health (RCH) services to all adolescence girls and pregnant women, social security scheme benefits, support to get identity documents to procure government scheme benefits etc., are also

available. Further DPO informed that SMC is planning to construct shelters at all strategic locations of the city which would not only provide accommodation but also have minimum effect on livelihood sources of poor and homeless people. The participants observed and interacted with the beneficiaries about the services received in the shelter home.

Summing-up

After taking the feedback and Question & Answer session, the training programme was concluded by proposing a Vote of Thanks to the trainers / subject experts and the participants by Ms. Maleka Ansari, SRO, RCUES, AILSG, Mumbai.

Glimpses of the Specialized Training Programme



Regional Specialized Training Programme on

Role of Elected Representatives and Project Functionaries in Implementing Programmes on National Missions

20th - 21st February 2023 at Rajkot, Gujarat.

Key Highlight

The key highlight of this programme was the group exercise followed by technical sessions to facilitate the understanding about the implementation of urban development missions and role of Urban Local Bodies (ULBs) to achieve the intended outcomes.

Background

The Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI) is implementing various flagship missions and programmes such as Swachh Bharat Mission – Urban (SBM-U) 2.0, Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM), Pradhan Mantri Awas Yojana - Urban (PMAY-U), Smart City Mission (SCM), Atal Mission for Rejuvenation & Urban Transformation (AMRUT) 2.0 to promote sustainable and inclusive cities that provide core infrastructure and to give a decent quality of life to its citizens, a clean and sustainable environment, sustainable livelihoods and application of 'Smart' Solutions.

The collective city level efforts of ULBs along with the multiple stakeholders in creating synergies in effective implementation of the said missions and programmes, is an impetus for sustainable development and effective urban governance. The elected representatives and project functionaries play vibrant role in implementing these missions at ward / community level for good governance and citizens' welfare.

Considering this background, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai organized a **Regional Specialized Training Programme on 'Role of Elected Representatives and Project Functionaries in Implementing Programmes on National Missions' on 20th - 21st February, 2023, at Rajkot, Gujarat.** This training programme was supported by the MoHUA, GoI.

Key Objective

The key objective of this training programme was to discuss the significant role of elected representatives and project functionaries in creating synergy with ULBs in implementing various missions and programmes for effective urban governance and sustainable development.

Participation

In all 56 participants including Dy. Mayors, Elected Representatives, Municipal Engineers, Urban Planners, Swachh Bharat Mission (SBM) Experts, Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM) Managers, Project Officers, Project Managers, Community

Organizers, Sanitary Inspectors and concerned officials from various cities of Gujarat State attended this training programme.

Introduction



Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

Mrs. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai, welcomed the dignitaries on the dais and participants. Thereafter, she gave an introduction of the training programme by explaining its objectives.

Inauguration

The training programme was inaugurated by Dr. Darshitaben Shah, Hon'ble Dy. Mayor, Rajkot Municipal Corporation (RMC), Gujarat in the presence of Dr. Jairaj Phatak., IAS (Retd.), Director General, AILSG, India. In her inaugural speech, she spoke about the important role played by ULBs in providing services through implementation of various national missions and programmes sponsored by State as well as Central Government.

Further, she stated that executive and deliberative wings are the backbone of ULBs in the process in creating significant scenario of development programmes. She advised the elected representatives to develop bond with the people and the ULB

functionaries through whom they can play a positive role in the effective implementation of the various socio-economic development programmes in a sustainable manner.



Dr. Darshitaben Shah, Hon'ble Dy. Mayor, Rajkot Municipal Corporation (RMC), Gujarat inaugurated the training programme by lighting the lamp in the presence of Dr. Jairaj Phatak., IAS (Retd.), Director General, AILSG.

Technical Sessions

Dr. Jairaj Phatak, IAS (Retd.) delivered a special address on 'Need for Convergence in Planning and Implementation of Missions and Programmes sponsored by Government of India' in the first session. He mentioned AILSG's key role in the field of training, research and advocacy. Further he stated that AILSG has provided a good platform for elected representatives and municipal officials for enhancing their capacities in their work.

Further he focused on his session by highlighting the need and importance of convergence of planning and implementation of all the urban development missions in order to achieve holistic development of the urban centres in our country. He briefly talked about the various welfare programmes and



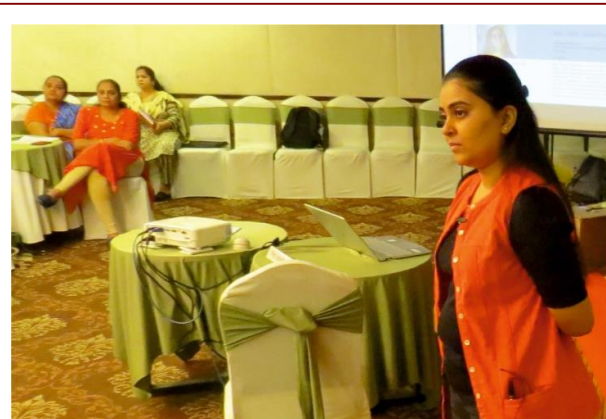
Dr. Jairaj Phatak, IAS (Retd.), Director General, AIIISG addressing the participants.

missions implemented by the State as well as Central Government. Further he focused on the city level approach for achieving sustainable outcomes of the missions by highlighting the important aspects of the strategies adopted by cities including improving operational efficiency and quality of life of urban residents. In concluding the session, he discussed Sustainable Development Goals (SDGs) implemented with the aim of making cities inclusive, safe, resilient and sustainable.

The next session on 'Atal Mission for Rejuvenation and Urban Transformation (AMRUT) 2.0' was taken by Ms. Tithi Soladhara, Expert, AMRUT & Visiting Faculty,

CEPT University, Ahmedabad, Gujarat. She focussed on the concept of AatmaNirbhar Bharat which was introduced in the second phase of AMRUT in October, 2021. She briefly discussed the reforms to be achieved during the implementation of SBM-U 2.0 including water conservation, governance, energy efficiency and urban planning to enhance city water security, financial health of ULBs and ease of living of citizens.

Further she discussed the tools for effective implementation of the mission by describing rural and urban synergies as well as synergies created among the missions for achieving intended outcomes. In concluding the session, she stated that state level efforts are necessary to enhance the functional knowledge and improvement of job related skills of the targeted groups, capacity building among elected representatives and ULB functionaries, contractors and their staff and citizens for making AatmaNirbhar cities.



Ms. Tithi Soladhara, Expert, AMRUT & Visiting Faculty, CEPT University, Ahmedabad, Gujarat addressing the participants.



Ms. Falguni Joshi, Consultant, Paryavaranmitra, Ahmedabad, Gujarat addressing the participants.

Ms. Falguni Joshi, Consultant, Paryavaranmitra, Ahmedabad, Gujarat discussed 'SBM-U 2.0 and Garbage Free City (GFC)'. She spoke on the objectives of SBM-U 2.0 by stating that in order to achieve the vision of GFCs over the next five years including safe containment, transportation, disposal of faecal sludge, and septage from toilets. Further she focused on the scenario of GFCs mentioned in SBM-U 2.0 by highlighting a steady reduction in the waste generation and beautification which is necessary to achieve a clean and aesthetically pleasing city.

Further she added that implementation of the measures to remediate all legacy waste and scientific management of municipal waste including solid, liquid, plastic and construction & demolition are intended for achieving GFC. In concluding her session, she also focused on source segregation of solid waste, utilizing the principles of 3Rs - reduce, reuse, recycle, scientific processing of all types of municipal solid waste and remediation of legacy dump sites for effective waste management. She said that elected representatives and project functionaries are playing important role to accelerate progress towards GFCs.

Mr. Mahesh Pandya, Director, Paryavaranmitra, Ahmedabad, Gujarat discussed 'SBM-U 2.0 and Sustainable Sanitation'. In the beginning, he mentioned the legal framework related to waste management. Further he briefly discussed SDGs with a special focus on SDGs 11.6, which measures the progress of performance of a city's solid waste management. He pointed out to the reduction in waste generation by citing the example of lockdown status. He said that rapid changing life style has adverse impact on waste generation especially plastic waste. He advised the elected representatives to promote awareness among the citizens through organizing IEC campaigns. He added that project functionaries can also play important role in encouraging communities for sustainable waste management.



Mr. Mahesh Pandya, Director, Paryavaranmitra, Ahmedabad, Gujarat addressing the participants.



Mr. Hardik Desai, Project Manager, DAY-NULM, Navsari Municipal Council, Gujarat addressing the participants.

Mr. Hardik Desai, Project Manager, Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM), Navsari Municipal Council, Gujarat addressed the issues under DAY-NULM and Need for convergence with Pradhan Mantri Formalization of Micro-Food Processing Enterprises (PM FME)'. He discussed the current status of implementation of all the components of the mission in their cities. Further he spoke about the challenges faced at the initial stage during the implementation especially in team building. He cited several good initiatives achieved under the implementation of DAY-NULM including skill

training programmes, shelter for homeless, PM Street Vendors AtmaNirbhar Nidhi (PM SVANidhi) etc.

Further he focused on the guidelines of PM FME and its objectives. He explained the main objective which included extending support to micro food processing units of urban SHGs. He said that PM FME was launched by Ministry of Food Processing Industries, Government of India on 29th June 2020 in order to enhance the competitiveness of individual micro-enterprises in the unorganized segment and promote formalization of the food processing sector by adopting the strategies of One District One Product (ODOP). He also talked about the importance of implementing PM FME and DAY-NULM in a convergent manner to support sustainable livelihoods projects. At the end of the session, he discussed details of district-wise products to be covered under ODOP in Gujarat state and current updates of PM FME Scheme which are being implemented in 35 states and union territories of India.

Mr. K. S. Gohel, City Engineer, Housing & AMRUT, RMC, Gujarat discussed 'Current status of PMAY-U implemented by RMC'. He stated that PMAY is targeted to make all cities slum free and provide affordable housing to the eligible beneficiaries of economical weaker section and lower income groups. He highlighted the issues and challenges faced during the implementation of housing projects under the mission, including non-availability of proper documentary evidence, irregular disbursement of project fund under Beneficiary Led Construction (BLC) component etc. He informed that in all 36,000 beneficiaries have benefited under Credit Link Subsidy Scheme (CLSS) in Rajkot city. While concluding his session, he said that elected representatives act as support system in implementation of PMAY in Rajkot.



Mr. K. S. Gohel, City Engineer, Housing & AMRUT, RMC, Gujarat addressing the participants.



Mr. Dipal Kathad, Consultant, SBM-U 2.0, RMC, Gujarat addressing the participants.

Last session was addressed by Mr. Dipal Kathad, Consultant, SBM-U 2.0, RMC, Gujarat in which he discussed 'Current Status of 'SBM-U 2.0 Issues and Challenges in Waste Management and Role of Elected Representatives in its Implementation'. In his presentation, he gave a brief overview of the city profile. He mentioned RMC's objectives towards implementing SBM-U 2.0, targeted sustainable solid waste management, sanitation and treatment of wastewater, awareness among citizens and enabling high capacity operationalization by promoting institutional capacity.

Further he discussed the strategies implemented to achieve outcomes of the mission by organizing mega cleanliness campaigns in which 10582 women volunteers from various fields like schools, colleges, government employees, hospitals, traffic police, safai karmcharis, SHGs, NGOs, etc. participated. He added that first time ever it happened that such a large number of female volunteers gathered for cleanliness campaign and promotion of SBM - U 2.0.

Group Exercise

After the session, a group work was conducted where the participants were distributed into seven groups and asked to make action plans to achieve garbage free city. The participants were asked to discuss among themselves key actions that they will undertake in their respective cities to ensure garbage free. Along with this, they were asked to discuss key initiatives that they will undertake to start planning and management in the operations of solid and liquid waste.



Participants engaged in group exercise.



Participants awarded for best group exercise and presentation.

This was followed by presentation on key points discussed by each group. A token of appreciation was given to the preparation and presentation of the best action plan.

Site Visit

A site visit was organized in the post-lunch session at a dormitory developed under the scheme of Shelter for Urban Homeless (SUH) at branch No. 10, Hospital Road, Rajkot. Ms. Kashmia Vadher, Project Officer, DAY-NULM, RMC, Gujarat welcomed the participants. She briefly explained the entire operations of SUH and its management. She explained the infrastructural facilities provided in this SUH including age wise accommodation, common kitchen, bathroom, toilets, entertainment room etc. Further she added that services like food, health, education, water and sanitation are also provided to the beneficiaries. Participants discussed with beneficiaries about the availability of services and overall management of SUH.



Participants during the site visit at SUH at Rajkot city.

Summing-up

After taking the feedback and Question & Answer session, the training programme was concluded by proposing a Vote of Thanks to the trainers / subject experts and the participants by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai.

Glimpses of the Specialized Training Programme



Regional Specialized Training Programme on

Role of Elected Representatives and Executives in Implementing Programme on National Missions

21st - 22nd February 2023 at Vadodara, Gujarat.

Key Highlight

The participants learned the strategies of convergence of the flagship missions and developing industrial hubs under Dholera Smart City Projects in the training programme.

Background

The Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI) is implementing various flagship missions and programmes such as Swachh Bharat Mission - Urban (SBM-U) 2.0, National Urban Livelihoods Mission (NULM), Pradhan Mantri Awas Yojana - Urban (PMAY-U), Smart City Mission (SCM), Atal Mission for Rejuvenation & Urban Transformation (AMRUT) 2.0 to promote sustainable and inclusive cities that aims at providing core infrastructure in the cities and giving a decent quality of life to its citizens, a clean and sustainable environment, sustainable livelihoods and application of 'Smart' Solutions.

The collective city level efforts of the Urban Local Bodies (ULBs) along with the multiple stakeholders are instrumental in creating synergies for effective implementation of the said missions and programmes, which is an impetus for sustainable development and effective urban governance. The city administrators play a vibrant role in implementing these missions at city level for good governance and citizens' welfare. It is necessary to understand the city level approach to be adopted by city administrators in creating synergy with other stakeholders in their implementation at city level.

The Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai conducted a **Regional Specialized Training Programme on 'Role of Elected Representatives and Executives in Implementing Programme on National Missions' on 21st - 22nd February 2023 at Vadodara, Gujarat.** This training programme was supported by the MoHUA, GoI.

Key Objective

The key objective of this training programme was to discuss the significant role of elected representatives and executives in adopting an appropriate city level approach in implementing various missions and programmes for effective urban governance and sustainable development.

Participation

In all 66 participants comprising Dy. Mayor, Elected Representatives, Municipal Secretary, Assistant Municipal Commissioner, Chief Accountant, Ward Officers and Sanitary Inspectors from Gujarat State attended this training programme.

Introduction

This training programme was commenced by Mr. Dinesh Patel, Regional Director, AIIILSG, Vadodara by welcoming the dignitaries on the dais. Later, Ms. Neha Hardikar, Sr. Research Officer, RCUES, AIIILSG, Mumbai stated that this training programme provides an opportunity to understand the current status of all flagship missions through this unique platform. This training programme is designed to explore opportunities of convergence of various missions and the significant role of elected representatives and executives in implementing the missions.

Inauguration



Mr. Banchhanidhi Pani, IAS, Municipal Commissioner, Vadodara Municipal Corporation (VMC), Gujarat inaugurated the training programme by lighting the lamp. Also seen (L to R) Ms. Hansa Patel, Executive Advisor, AIIILSG, Vadodara, Dr. Hitendra Patel, Chairman, Standing Committee, VMC, Mr. Ranjit Chavan, President, AIIILSG, India, Mr. Girish Kumar Kotecha, Dy. Mayor, Junagadh Municipal Corporation (JMC), and Mr. Hareshbhai Parsana, Chairman, Standing Committee, JMC, Gujarat.

The training programme was inaugurated by Mr. Banchhanidhi Pani, IAS, Municipal Commissioner, Vadodara Municipal Corporation (VMC), Gujarat in the presence of Dr. Hitendra Patel, Chairman, Standing Committee, VMC, Mr. Girish Kumar Kotecha, Dy. Mayor, Junagadh Municipal Corporation (JMC), Gujarat, Mr. Hareshbhai Parsana, Chairman, Standing Committee, JMC, Mr. Ranjit Chavan, President, AIIILSG, India, Ms. Hansa Patel, Executive Advisor, AIIILSG, Vadodara and Ms. Neha Hardikar, Sr. Research Officer, RCUES, AIIILSG, Mumbai. Mr. Ranjit Chavan, President, AIIILSG, India felicitated Mr. Banchhanidhi Pani, IAS, Municipal Commissioner, VMC, Gujarat by offering a memento.

Technical Sessions

The first technical session on 'Current Status of Implementation of AMRUT 2.0 in Gujarat State' was conducted by Dr. Vijay Anandkat, Senior Fellow, World Resources Institute (WRI) & Advisor – Urban Development Department for AMRUT & Smart City Missions, Gandhinagar, Gujarat. He initiated the session by explaining significance of developing water-secure cities in India. The emphasis was given on moving towards AatmaNirbhar Bharat with the aim of making the cities 'water secure' and providing functional water tap connections to all the households. He initially gave an overview of the status of AMRUT phase-I. The necessity for AMRUT 2.0 was emerged to holistically address the issues of water conservation, irrigation, rainwater harvesting, rejuvenation of water



Dr. Vijay Anandkat, Senior Fellow, WRI & Advisor – Urban Development Department for AMRUT & Smart City Missions, Gandhinagar, Gujarat addressing the participants.

bodies, desalination of seawater, and treatment of wastewater. He added that these issues can be addressed through infrastructure development in the water supply and sewerage sector by focusing on 100% tap water in all cities and 100% sewer connection in AMRUT 1.0 cities. He explained the infrastructure components and mandatory as well as optional reforms under AMRUT.

He said that Gujarat has undertaken various rejuvenation of water bodies and development projects worth more than rupees ten thousand crores covering 161 ULBs of Gujarat State. He further said that universal coverage of water supply, sewerage, septage management and recycle/ reuse of treated used water, and rejuvenation of water bodies and creation of green spaces are the thrust areas focused on improving sustainability and efficiency in water sector. Elected Representatives (ERs) can support ULB officials by facilitating and ensuring citizens' participation for achieving water security and sustainability of the projects. It was also mentioned that Behaviour Change Communication (BCC) is envisaged as a key strategy for spreading awareness on conservation of water and enhancing water use efficiency among the citizens. Moreover, ULBs with support from ERs can submit detailed City Water Balance Plans (CWBP) and City Water Action Plans (CWAP) through online portal, covering proposed projects in the thrust areas under AMRUT 2.0. He further said that mission has a reform agenda on ease of living of citizens through reduction of non-revenue water, recycling of treated used water, rejuvenation of water bodies and strengthening urban finance. He concluded the session by emphasizing on treatment of wastewater and achieving cities the status of water+ cities under AMRUT 2.0.



Dr. Anil Roy, Sr. Associate Professor, Faculty of Planning, CEPT University, Ahmedabad, Gujarat addressing the participants.

On the second day, the session on 'Current Status of Implementation of SBM – Urban 2.0 in Gujarat State' was delivered by Dr. Anil Roy, Sr. Associate Professor, Faculty of Planning, CEPT University, Ahmedabad, Gujarat. He commenced the session by speaking on global scenario of sanitation as stated in the Urban Development Goals of the UN which points out that 81% of the global population lacks safely managed sanitation services, 80% or more wastewater returns to the environment without adequate treatment and 50% people still practice open defecation. Integrated Wastewater and Septage Management trainer module of the NIUA states that 88% of

the India's population have access to basic sanitation, 67% of wastewater returns to the environment without adequate treatment and 12% people still practice open defecation at India level. He explained sanitation approaches and the evolving stages up to SBM U 2.0.

He spoke on sanitation which has been neglected in India due to the lack of awareness and peoples' participation. Urban Sanitation has acquired attention in metro cities whereas small and medium towns faced severe lack of finance, technology etc. JNNURM provided some support for urban sanitation through the housing for all, where basic services at the dwellings were ensured but that was not enough. He added that SBM is the world's largest sanitation programme through Smart City and AMRUT which recognized the issues of water and sanitation. While talking on Swachh Certification Protocol, he presented an overview of ODF certification progress till date. So far 964 cities became ODF++ and only 9 cities became water+. He further focused on progress of Gujarat State under SBM U 2.0 and mentioned the latest status of solid waste management and Sewage Treatment Plants (STPs) in Gujarat State. ERs can play a vital role in supporting the administrators for effective implementation of programme at ground level by taking a lead in IEC and Behaviour Change (BC) drives for effective implementation of the missions at the ULB level. He concluded the session by stating that Water+ is a complete sanitation programme, which will lead to making India self-reliant in urban sanitation.

Through this the cities can positively achieve circular economy status in the long run. Innovations need to scale up and replicate in cities under SBM U 2.0, he added.

The next session on 'Issues and Challenges in Implementing Solid Waste Management in Gujarat State' was conducted by Ms. Monika Patel, Environmental Engineer (SWM), Ahmedabad Municipal Corporation (AMC), Gujarat. She commenced the session by focussing on Ahmedabad which has a distinction of being an award winning Cleanest Mega City consecutively for four years under Swachh Survekshan (SS). He further mentioned about the door-to-door waste collection system practiced in Ahmedabad city. The entire waste collection system is monitored through GPS system. She said that more than 165 closed-body vehicles are deployed for waste collection from the nuisance spots from August 2019. The collected waste through this system is transported to nearby Refuse Transfer Stations (RTS). She also stated that AMC has constructed at least one RTS with a capacity of 300 - 350 TPD in all the seven zones of the city. Currently 8 RTSs are operational in the seven zones. Each Transfer Station has 2 to 3 Stationary Compactors, 9 Large Hook Loader Vehicles and 11 Large Containers with a capacity to carry 12 to 15 MT waste. These RTSs were constructed by AMC and given on O&M basis. She also added that these Transfer Stations helps AMC to save on transportation cost, reduce pollution and ease traffic congestion, resulting in effective and speedily collection of waste.



Ms. Monika Patel, Environmental Engineer (SWM), AMC, Gujarat addressing the participants.

She spoke on the bio-mining of Pirana dump site which is a pilot project initiated by AMC, Gujarat. More than 72 lakh MT legacy waste was cleared and approximately 35 acres land was reclaimed through this project till date, she said. She further spoke on the challenges for waste segregation at source due to lack of awareness and concluded her session by saying that segregation can only be successful if there is a behaviour change in the people and appropriate facilities are provided to them.

The next session on 'Smart City Project – Dholera' was conducted by Mr. Dilip Bramhbhatt, General Manager, Dholera Industrial City Development Limited, Gandhinagar, Gujarat. Initially he spoke on



Mr. Dilip Bramhbhatt, General Manager, Dholera Industrial City Development Limited, Gandhinagar, Gujarat addressing the participants.

the National Industrial Corridor Development Programme, which is India's most ambitious programme aiming at developing new Industrial Corridors and Smart Cities. The Programme is aimed at development of futuristic industrial cities in India which can compete with the best manufacturing and investment destinations in the world. The development has started with Delhi Mumbai Industrial Corridor (DMIC) and eight Smart City Nodes on it. The programme will create employment opportunities and bring about economic growth leading to overall socio-economic development. Dholera is the biggest node under DMIC and is at the most advanced stage of development. He further

said that Dholera industrial city lays equal emphasizes on social and recreational aspects in the planning to compliment industrial ecosystem.

He said that Dholera Special Investment Region (SIR) is spread over an area of 920 sq.km., and Dholera SIR is the First Planned Greenfield Industrial Smart City of India, certified by the Indian Green Building Council, offering a number of possibilities of growth and advanced infrastructure making it a connected and sustainable city, by fast tracking approvals with the single window clearances system. Dholera Taluka in the District of Ahmedabad, is envisaged to be bigger than the city of Ahmedabad. It is strategically located between the industrial cities of Ahmedabad, Vadodara, Rajkot and Bhavnagar. The proximity that Dholera SIR Project shares with the DMIC corridor makes the location even more desirable, making it a potential global trading and manufacturing hub. The connectivity of the region has been well planned and connects it through roads, rail, metro, highway and by air to all important cities of the world. He further added that Dholera SIR is fast emerging as the hotspot for residential, commercial and industrial plots investment. The city is expected to have its self-sustaining ecosystem comprising various economic drivers through social infrastructure, logistic and utility infrastructure, and overall industrialization. He concluded the session by saying that Dholera SIR has world-class infrastructure and connectivity within and outside the industrial area. This concept can be replicated under Smart City Mission/Projects, he said.

Summing-up

In the concluding session, Ms. Hansa Patel, Executive Advisor, AIILSG, Vadodara welcomed Smt. Rajmata Shubhangini Raje Gaekwad, Vadodara and felicitated her by offering a memento.



The certificates were distributed at the hands of Smt. Rajmata Shubhangini Raje Gaekwad to the participants. The training programme was concluded by proposing a Vote of Thanks to the distinguished trainers and the participants by Ms. Neha Hardikar, Sr. Research Officer, RCUES, AIILSG, Mumbai.

Glimpses of the Specialized Training Programme



Regional Specialized Training Programme on

Deendayal Antyodaya Yojana – National Urban Livelihoods Mission (DAY-NULM)

15th March 2023 and

16th March 2023 at Jaipur, Rajasthan.

Key Highlight

The participants learnt the significance of convergence of DAY-NULM with other missions to generate more and more livelihood opportunities in SWM & sanitation sector.

Background

Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM) was launched by the then Ministry of Housing and Urban Poverty Alleviation (MoHUPA), Government of India (GoI) in 2013 with the objectives to reduce poverty and vulnerability of the urban poor households by enabling them to access gainful self-employment and skilled wage employment opportunities, resulting in an appreciable improvement in their livelihoods on a sustainable basis, through building strong grassroots level institutions of the poor. The mission inter alia, aims at providing shelters equipped with essential services to the urban homeless in a phased manner. In addition, the mission also addresses livelihood concerns of the urban street vendors by facilitating access to suitable spaces, institutional credit, social security and skills to the urban street vendors for accessing emerging market opportunities. The Urban Local Bodies (ULBs), DAY-NULM functionaries and other stakeholders develop a synergy in its implementation to achieve sustainable livelihood opportunities.

Considering this, Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai conducted **Regional Specialized Training Programmes on 'Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM)' 15th March 2023 & 16th March 2023 at Jaipur, Rajasthan.** These training programmes were supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI).

Key Objective

The key objective of these training programmes was to encourage the ULBs and other stakeholders in effective implementation of DAY-NULM for sustainable livelihoods opportunities.

Participation

In all, 98 participants comprising Chief Executive Officers, Joint Directors, State Mission Managers, City Mission Managers, District Mission Managers, State Project Managers, District Project Managers, and President, Dy. President & members of ALFs attended these training programmes from the State of Rajasthan.

Sr. No.	Date of the Training Programme	No. of Participants
1	15 th March, 2023	45
2	16 th March, 2023	53
	Total	98

Introduction



Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai initiated this training programme. She welcomed trainers and participants and gave a background of functioning of the RCUES, Mumbai. She further spoke about the need of effective implementation of DAY-NULM at ULB level for creating sustainable livelihoods opportunities. The convergence of DAY-NULM with other flagship missions like Swachh Bharat Mission (SBM) and Atal Mission for Rejuvenation & Urban Transformation (AMRUT) will create many livelihoods opportunities to sustain urban

poor. This programme will be certainly helpful to understand convergence strategies to be implemented / replicated at city level.

The second training programme was commenced & coordinated by Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai.

Inauguration

The first training programme was inaugurated by Mr. Bhanwarlal Bhairwa, Project Director, DAY-NULM, Government of Rajasthan (GoR) in the presence of Dr. Jairaj Phatak, IAS (Retd), Director General, AILSG, India, Dr. (Prof.) Sneha



Ms. Maleka Ansari, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.

Palnitkar, Chief Executive Officer (CEO), Waste Management Resource Centre (WMRC), AILSG, Mumbai, Mr. Vinod Paliwal, Regional Director, AILSG, Jodhpur, Rajasthan and Mrs. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai.

Dr. Jairaj Phatak, IAS (Retd), Director General, AILSG felicitated Mr. Bhanwarlal Bhairwa, Project Director, DAY-NULM, Government of Rajasthan by offering a plant.

Mr. Bhairwa addressed the participants by saying that this is a good opportunity for all the participants to understand the implementation strategies for developing more and more livelihoods opportunities. DAY-NULM implementing functionaries should focus more on convergence with the other missions, he said.



Mr. Bhanwarlal Bhairwa, Project Director, DAY-NULM, GoR inaugurated the training programme by lighting the lamp. Also seen (L to R) Mr. Vinod Paliwal, Regional Director, AILSG, Jodhpur, Rajasthan, Dr. Jairaj Phatak, IAS (Retd), Director General, AILSG, Dr. (Prof.) Sneha Palnitkar, CEO, WMRC, AILSG, Mumbai, and Mrs. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai.

The second training programme was also inaugurated by Mr. Bhanwarlal Bhairwa, Project Director, DAY-NULM, GoR.

Technical Sessions



Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG addressing the participants.

The first technical session on 'Overview of Central Government supported Missions & Programmes' was delivered by Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG. Firstly, he spoke on democracy and its advantages; and obligatory functions of municipal bodies. Later, he spoke on poverty alleviation programmes in which he explained the wage employment and self-employment schemes. He added that organizing urban poor in Self-Help Groups (SHGs), creating opportunities for skill development leading to market-based employment and helping urban poor to set up self-employment ventures by ensuring easy access to credit, are significant

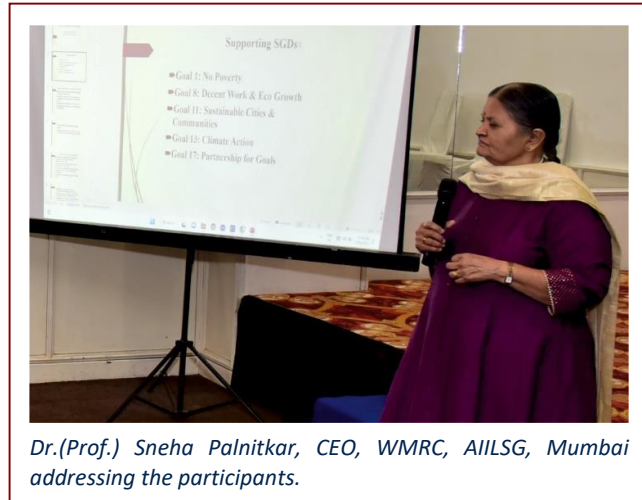
indicators under DAY-NULM. He elucidated the Multi-dimensional Poverty Index (MPI), which gives one-third weightage to health, one-third to education and one-third to standard of living. Thus, nutrition, child mortality, years of schooling, school attendance, sanitation, cooking fuel, drinking water, electricity, housing and assets get due weightage. From 2005-06 to 2015-16, the poverty levels in India almost halved from 54.7% to 27.5 % with 27.1 crore people crossing the poverty line. It was further reduced to 25% by 2021.

He also spoke on SBM, AMRUT, Infrastructure programmes like Jawaharlal Nehru National Urban Renewal Mission (JNNURM) and Integrated Development of Small & Medium Towns (IDSMT) and highlighted the best performing city under each of the missions. He concluded the session by focusing more on benefits of convergence of DAY-NULM mission with SBM & AMRUT missions to generate more livelihoods opportunities.

The next session on 'Convergence of DAY-NULM & SBM' was delivered by Dr. (Prof.) Sneha Palnitkar, CEO, WMRC, AILSG, Mumbai. She commenced the session by emphasizing on need for convergence of DAY-NULM and SBM. She said that the guidelines issued by the MoHUA, GoI in 2018 suggest a convergence model under both the missions through promoting livelihoods options for SHGs, informal sanitation workers, marginalized communities and those working in sanitation and solid waste sector at city level. The guidelines stated that all SHG members to play a role of ground level/ community level facilitators and encourage interpersonal communication within SHGs.

She also talked on livelihoods opportunities under Solid Waste Management (SWM). These opportunities include contracts of street sweeping, collection & operation of dry waste, door to door waste collection and its segregation, operation of Material Recovery Facility (MRF) centre, waste collection from slums etc. SHGs can be involved in handling these activities. Besides, she also spoke on generating livelihoods opportunities through art and craft products from waste. The useful products can be created by training and engaging waste pickers and slum dwellers families to make creative products. These activities generate livelihoods to the waste pickers and other slum dwellers, and reduce the burden of ULBs of waste collection and transportation of waste in cities. She depicted several pictures of creative recycled items and furniture made out of waste. She further added that creation of interactive gardens and wall arts can be made by involving communities, which leads to increase in livelihoods opportunities through convergence of missions.

Further in her session, she explained City Inclusive Safai Mitra Suraksha Challenge Fund (Manhole to Machine) initiative taken under SBM. Rehabilitation of informal safaimitras can be achieved through linkages with entrepreneurship and livelihoods opportunities. She also talked on zero garbage implementation approach which includes conducting assessment of existing situation, awareness building, encouraging waste segregation, door to door waste collection, decentralized waste processing facilities etc. This implementation can be done at ULB level. She added that the strategies adopted by ULBs such as mobilizing SHGs of sanitation workers & waste pickers, skill development of SWM and sanitation workers, capacity building of DAY-NULM & SBM functionaries, creating enabling governance frameworks, strengthening community engagement platforms for sanitation and SWM, promoting livelihood opportunities in sanitation and SWM. She concluded the session explaining the livelihoods opportunities through plastic waste management under SBM.



Dr.(Prof.) Sneha Palnitkar, CEO, WMRC, AILSG, Mumbai addressing the participants.

The above two sessions were conducted on both the days. Following are the technical sessions which were conducted after above-stated starting two sessions on 15th March 2023.



Mr. Nitin Pareek, State Mission Manager, DAY-NULM, GoR addressing the participants.

The session on 'Overview of DAY-NULM and Indira Gandhi Shahari Credit Card Yojana' was conducted by Mr. Nitin Pareek, State Mission Manager, DAY-NULM, GoR. He started the session by mentioning the current status of implementation of the DAY-NULM across Rajasthan State by explaining component wise physical progress under DAY-NULM. He also explained PM Street Vendors Atma Nirbhar Nidhi (PM SVANidhi) which aims to empower street vendors by providing loans to them to tide over their difficulties in the wake of the pandemic and restart their business. Further, he explained the progress of PM SVANidhi, in which he elaborated upon total eligible

applications, total sanctioned applications and total loan disbursed till date across Rajasthan State. At the third stage of loan process, the number of applications received were less as street vendors can not apply for third stage until he repays the loan amount of the second stage.

He further emphasized on Samridhi scheme, which aims to assess potential eligibility of PM SVANidhi beneficiaries and their families for central welfare schemes and facilitates the linkages to other schemes. This scheme is currently being implemented in 48 cities of Rajasthan.

He also spoke on Indira Gandhi Shahari Credit Card Yojana launched by Chief Minister of Rajasthan State in 2021 -22. It provides interest free loans of up to fifty thousand rupees for a period of one year to street vendors, unorganized services sector employees and unemployed youths registered under district employment centre of urban areas. The primary benefit of this scheme is that it provides financial

assistance to the unemployed youths so that they can revive their business. In fact, various self-employment opportunities in urban areas are being developed through this scheme. This scheme helped to reduce the impact of pandemic on the informal business sector. He concluded the session by explaining the significance of the given schemes in enhancing wellbeing of marginalized urban poor.

The next session on 'Status of DAY-NULM in Rajasthan State' was jointly delivered by Mr. Ashwini Kumar, State Mission Manager, DAY-NULM, GoR & Mr. Ahmed Tehreen, State Mission Manager, DAY-NULM, GoR. They focused on the issues and challenges tackled by DAY-NULM functionaries during implementation at multiple clusters while implementing DAY-NULM at city level.

Mr. Kumar gave an overview of implementation status of Support to Street Vendors and Homeless Shelters components under DAY-NULM. He explained all the components under DAY-NULM with its current progress as some of the participants were joined newly as DAY-NULM functionaries under the mission. He insisted all participants to read the guidelines of Support to Street Vendors for their better understanding to implement the component.



Mr. Ashwini Kumar, State Mission Manager, DAY-NULM, GoR addressing the participants.



Mr. Ahmed Tehreen, State Mission Manager, DAY-NULM, GoR addressing the participants.

In the beginning he said that it is a centrally sponsored scheme launched on 29th June, 2020 to support collective enterprises like Farmer Producer Organizations (FPOs), SHGs, Cooperatives along the entire value chain. He explained One District One Product (ODOP) approach introduced in implementation of PM FME. He stated that products like agriculture produce, food, non-agriculture, minor forest etc. will be preferred to support the existing individual processing unit for ODOP. He also spoke on the strategies to be followed in implementing PM FME including provision of

Mr. Tehreen discussed the overall strategies, approaches undertaken at state / ULB level while implementing the components of the mission. He also highlighted the emergence of phase two of DAY-NULM in the near future.

Following are the technical sessions which were conducted after starting the first two sessions on 16th March 2023.

Mr. Manmohan Sharma, State Project Officer, Social Mobilization & Institution Development (SM & ID), DAY-NULM, GoR spoke on 'Convergence of DAY-NULM & Pradhan Mantri Formalization of Micro-Food Processing Enterprises (PM FME)'.



Mr. Manmohan Sharma, State Project Officer, SM & ID, DAY-NULM, GoR addressing the participants.

seed capital Rs. 40,000/- per member of SHGs and credit linked 35% grant for capital investment for training, handholding, and marketing support. He further noted that implementation of PM FME creates a platform to address seed capital support, credit link subsidy for capital investment and support to common infrastructure, which can be converged with DAY-NULM, Area Level Federation (ALF) and City Level Federation (CLF) to start group employment ventures.

Further he discussed city level initiatives implemented under DAY-NULM by highlighting Shelter for Urban Homeless (SUH) targeting dignified human living by providing the basic common facilities and amenities such as water, sanitation, electricity, food, cooking space, common recreation space facilitates etc.



Ms. Sandhya Bhandari, State Project Manager, SEP, FI & ME, DAY-NULM, GoR addressing the participants.

Ms. Sandhya Bhandari, State Project Manager, Self-Employment Programme (SEP), Financial Inclusion and Micro Enterprises (FI & ME), DAY-NULM, GoR addressed the 'Issues and Challenges in Implementing DAY-NULM - Entrepreneurship Development Programme (EDP) - Orientation & Awareness'. She initiated the session with an overview of the DAY-NULM scenario in Rajasthan by highlighting the gaps between demand and supply of employment opportunities in urban areas. She briefly discussed the self-employment programme, under which financial assistance is provided to individuals / groups of urban poor for setting up gainful self-employment ventures / micro-

enterprises, suited to their skills, training, aptitude and local conditions. She emphasized on the need to orient ground level institutions to encourage needy and poor to take advantage from livelihood opportunities created under DAY-NULM.

She focused on the importance of SHGs, ALFs, and CLFs in effective implementation of sustainable livelihoods programmes under DAY-NULM. She explained the benefits of the revolving funds for the vulnerable groups in cities. In the concluding session, she noted that City Livelihood Centres (CLCs) and their important role in generating livelihoods by encouraging local skill and talents.

Mr. Ravi Kiran Bokam Naydu, State Coordinator, Centre for Advocacy and Research (CFAR), Jaipur discussed the 'Role of SHGs in Sanitation'. He spoke on the project implemented by Jaipur Municipal Corporation by creating livelihood opportunities in sanitation by outsourcing the cleaning and maintenance services to the vulnerable groups through SHGs, in collaboration with CFAR. Further he informed that a total 23 SHGs are involved in sanitation based livelihood.



Mr. Ravi Kiran Bokam Naydu, State Coordinator, CFAR, Jaipur addressing the participants.

He added that to strengthen SHGs post-COVID period and to enhance their livelihood options, trainings were conducted for them in making bio-degradable sanitary napkins, kitchen waste compost, mask making, phenyle and hand wash making. At the end of the session, he informed that their centre is planning next training in digitalizing the marketing of the SHGs products.

Summing-up

The first training programme was concluded by Ms. Neha Hardikar and the second training programme was concluded by Ms. Maleka Ansari, both Sr. Research Officers, RCUES, AIILSG, Mumbai by proposing a Vote of Thanks to the trainers / subject experts and the participants.

Glimpses of the Specialized Training Programme



REGIONAL SEMINARS



Regional Seminar on

City Wide Inclusive Sanitation (CWIS)

28th September, 2022 at Mumbai, Maharashtra.

The urban sanitation challenge is intensified by unregulated rapid urbanization. Estimates show that around 70% of the world's population will be urbanized by 2050. This increasing urbanization surpasses the development and availability of sanitation infrastructure in developing cities. Further, the top-down approach of sanitation planning without consideration of local knowledge and stakeholder preferences is neither successful nor sustainable. There is a need for an innovative and holistic approach for sanitation. Furthermore, the Sustainable Development Goals also emphasize for cities to be inclusive, safe, and resilient, to ensure citizens' health and wellbeing, and to provide access to sustainable water and sanitation services to all.

Swachh Bharat Mission 2.0 has launched SBM-U 2.0 envisions to make all cities 'Garbage Free' and ensure grey and black water management in all cities other than those covered under AMRUT, make all urban local bodies (ULBs) as ODF+ and those with a population of less than 1 lakh as ODF++, thereby achieving the vision of safe sanitation in urban areas. City Wide Inclusive Sanitation (CWIS), is an approach to urban sanitation that involves collaboration among multiple stakeholders to ensure that everyone benefits from adequate sanitation service delivery outcomes. CWIS aims to support cities develop comprehensive approaches to sanitation improvement that encompass long-term planning, technical innovation, institutional reforms, and financial mobilization. However, the Sustainable Development Goals provide new impetus to ensure access to sustainable water and sanitation services, to keep cities safe and resilient, and to ensure citizens' health and well-being.

With an aim to discuss various approaches for City Wide Inclusive Sanitation, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIIILSG), Mumbai conducted a Regional Seminar on 'City Wide Inclusive Sanitation (CWIS)' on 28th September



Delegates during the Seminar.

2022 at Mumbai. This Seminar was supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI). The Seminar was conducted in collaboration with Messe Munchen India (MMI) under IFAT India, a leading environmental technology trade fair to provide sustainable environmental solutions.

In all, 54 delegates comprising Municipal Engineers, Junior Overseers, Sewage Operation Inspectors, WASH Specialists, Sr. Research Officers, Project Managers, Research Associates, from Maharashtra attended this Seminar.

At the outset Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai introduced the Seminar followed by welcoming address by Ms. Utkarsha Kavadi, Director, RCUES, AILSG, Mumbai.

Ms. Utkarsha Kavadi gave the background of RCUES and its functioning and talked about importance of CWIS to ensure adequate sanitation service delivery by elaborating six basic principles of CWIS. She also emphasized on RCUES's efforts in bringing together various stakeholders through this seminar for discussing a way forward for CWIS in cities of India. She further extended thanks to MMI for taking forward this event as a joint venture.



Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.



Ms. Utkarsha Kavadi, Director, RCUES, AILSG, Mumbai addressing the delegates.

The Seminar was inaugurated by Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG, India by lighting the lamp. Mr. Yusuf Kabir, WASH CCES Specialist, DRR-Emergency Focal Point, UNICEF, Maharashtra, Dr. Ajit Salvi, Dy. Chief Engineer (SO), Brihanmumbai Municipal Corporation (BMC), Mumbai, Mr. Robin Fernandes, Business Unit Head-Capital Goods, MMI, Mumbai and Ms. Utkarsha Kavadi graced the event by their valued presence during the inauguration. Ms. Kavadi felicitated the Guests on the dais by presenting a memento after the inauguration.

Mr. Robin Fernandes, Business Unit Head-Capital Goods, MMI, Mumbai, Maharashtra expressed gratitude towards RCUES of AILSG, Mumbai for valuable collaboration with MMI, Mumbai. He encouraged the participants to get to know new technologies exhibited at the event and through other sources.

Mr. Yusuf Kabir, WASH CCES Specialist, DRR-Emergency Focal Point, UNICEF, Maharashtra in his address, deeply appreciated IFAT, India for their immense efforts in organizing this huge event/exhibition on wastewater theme.

Dr. Ajit Salvi, Dy. Chief Engineer (SO), BMC, Mumbai, Maharashtra appreciated the efforts taken by RCUES, AILSG, Mumbai for this joint initiative with MMI, Mumbai under IFAT India. He wished looking forward to sustainable collaboration between AILSG, Mumbai and MMI, Mumbai.



Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG, India inaugurated the seminar by lighting the lamp. (L to R) Mr. Yusuf Kabir, WASH CCES Specialist, DRR-Emergency Focal Point, UNICEF, Maharashtra, Dr. Ajit Salvi, Dy. Chief Engineer (SO), BMC, Mumbai, Mr. Robin Fernandes, Business Unit Head-Capital Goods, MMI, Mumbai and Ms. Utkarsha Kavadi, Director, RCUES, AILSG, Mumbai.



Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG, India addressing the delegates.

Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG in the inaugural address, spoke on how ULBs have evolved over the years in implementing Sanitation and Solid Waste Management (SWM) at city level. He further said that SBM Urban 2.0 guidelines have provided comprehensive directions to ULBs towards becoming Garbage Free Cities (GFC). He concluded the address by wishing a great success to the Seminar.

The inauguration was followed by the presentations. The distinguished speakers presented the work under City Wide Inclusive Sanitation (CWIS).

The first presentation on 'Maha Urban WASH-ES Coalition & its Initiatives' was delivered by Ms. Utkarsha Kavadi, Director, RCUES, AILSG, Mumbai. She initiated the presentation by briefing the overview of RCUES, which is anchored at AILSG, Mumbai since 1968 through research, trainings, advisory, policy/strategy formulation planning IEC activities, technical/handholding support in implementation of projects and documentation. Focusing on key highlights of activities under RCUES, Mumbai, she talked on Maharashtra-Urban WASH and Environmental Sanitation (ES) Coalition essentially to encourage partnerships and support local governments in urban WASH-ES. It is a joint initiative of the RCUES of AILSG, Mumbai and UNICEF Maharashtra. She added that the Coalition brings together local organizations, think-tank institutions, and sector experts to strengthen municipal capacities and encourage collaborative action to enhance service delivery in WASH (Water, Sanitation and Hygiene) in urban Maharashtra for cohesive and comprehensive implementation of the initiatives.

The focus areas of Coalition is sanitation, solid waste management, water, environment and climate change. It aims to bring together government departments, development partners, grassroots organizations and communities in the State. It was further stated that coalition initiatives drive collaborative change by facilitating multiple stakeholders' engagement. The Coalition recognizes the importance of engaging a gamut of stakeholders for operations and maintenance, and professionalization of WASH service delivery with a focus on ensuring sustainability in urban areas. The Coalition facilitates joint action research with government and partner organizations to identify gaps and local challenges and assist with long-term strategic interventions.

She explained that the Maharashtra Urban WASH-ES Coalition provides handholding support to ULBs and development partners with a view to providing cutting-edge and integrated solutions to urban Maharashtra's emerging challenges in WASH and Environmental Sanitation. Through its implementation initiatives, the Coalition aims to support State and Local Governments through a coordinated approach with a focus on cross-learning and minimizing overlaps of individual efforts. She highlighted the support provided in implementation of Urban Rural Linkages in Faecal Sludge and Septage Management at Indapur and Junnar; and Cluster Level Dry Waste Management at Bhiwandi.

She talked on Maha Urban INNO -Wash Challenge for infection prevention and control that supports the implementation of innovative ideas for ULBs through development organizations. Currently, RCUES of AILSG, Mumbai is supporting implementation of this project at Sanagli-Miraj-Kupwad City Municipal Corporation (SMKMC) through Maha Urban WASH-ES Coalition platform. She further added that the Coalition particularly engages with small and medium towns that are in need of support in order to achieve the goals as mandated under various missions and programmes related to IHHL and community sanitation, FSSM and wastewater management, water supply and solid waste management.

She further stated that WASH-Action4Change is a platform for promotion and dissemination of local good practices under the urban Water, Sanitation and Hygiene (WASH) and Environmental Sanitation (ES) sector in Maharashtra. The presentation was concluded by explaining the impact of Coalition initiatives at ground level by driving change through multi stakeholders' engagement.

The next presentation on 'Co-treatment of Faecal Sludge / Septage at Sewage Treatment Plant at Sangali-Miraj-Kupwad City Municipal Corporation' was presented by Mr. Saurabh Kale, Sr. Project Manager, Ecosan Services Foundation (ESF), Pune, Maharashtra. This activity is being undertaken under MAHA Urban WASH and Environmental Sanitation Coalition, a joint initiative by RCUES of AILSG Mumbai and UNICEF Maharashtra. Maha-UWES-C has launched the Maharashtra Urban INNO- WASH challenge for infection, prevention and control that supports the implementation of innovative ideas for ULBs through development organizations. One of



Mr. Saurabh Kale, Sr. Project Manager, ESF, Pune, Maharashtra addressing the delegates.

the winning proposal under the challenge is Co-treatment of septage at sewage treatment plant for Sangli Miraj Kupwad with support from Ecosan Services Foundation, Pune. Under the project, a scientific septage receiving station shall be constructed and commenced at the STP to avert the risks of unscientific methods of sludge disposal.

The presentation included planning & treatment of Faecal Sludge and Septage Management (FSSM) through quantification and characterization of sludge, selecting appropriate approach for treatment and creating enabling environment. The approach for FSSM depends on the quantity and quality of the sludge to be handled. For the ULBs with sufficient finance and generating smaller quantity of sludge to be handled, scientific land application such as Deep Row Entrenchment (DRE) is recommended. Co-treatment of sludge can be achieved either at Sewage Treatment Plant (STP) or Municipal Solid Waste (MSW) Management Plant. He further added that co-treating faecal sludge and septage (FSS) with sewage is recommended as expenses involved are low. Co-treatment at MSW plant can be done either at the composting stage or incineration stage. Composting is beneficial as the sludge contains nutrients which are necessary for composting. Incineration is only recommended when the energy required for drying of sludge is less than to the energy produced by incineration.

He then explained procedure of co-treatment of FSS at STP through its project approach and stakeholders engagement. The project approach includes feasibility assessment for addition of FSS in existing STP, conceptualizing and designing of co treatment system for scientific addition of FSS in STP, implementation, monitoring and evaluation of co-treatment system at STP and capacity building of multiple stakeholders. Later, he talked on existing situation of wastewater and septage management and the proposed co-treatment approach in Hanuman Nagar STP, SMKMC. The potential social financial, health and environmental impacts were explained by him saying that co-treatment system increases life of equipment at STP without imposing any re-commission charges. Co-treatment system is also advantageous to regulate desludging. Moreover, co-composting is useful to farmers and gardens of the city. This system is also helpful in controlling disease outbreak like Gastro, Cholera during flood situations.

At the end, he summarized the presentation by stating that the session had reflections on feasible approach of scientific management of faecal sludge/septage in sewage treatment plants and opportunities to the ULBs in Maharashtra where they have STPs and non-sewered sanitation practices. The integrated approach of wastewater and septage management is the key of CWIS.

The next presentation on 'Use of Bioremediation Technology for Effective Implementation of City-Wide Inclusive Sanitation' was presented by Dr. Ajit Salvi, Dy. Chief Engineer (SO), BMC, Mumbai, Maharashtra. He began the presentation by presenting an overview of sanitation scenario in Indian cities and said that India is committed to achieving the 2030 global agenda in sanitation sector through Sustainable Development Goal no. 6 on clean water and sanitation for all. The conventional sewerage and wastewater treatment system will not help in achieving the new SDG target of safely managed sanitation for all. Hence, CWIS is the desired shift in urban sanitation paradigm.

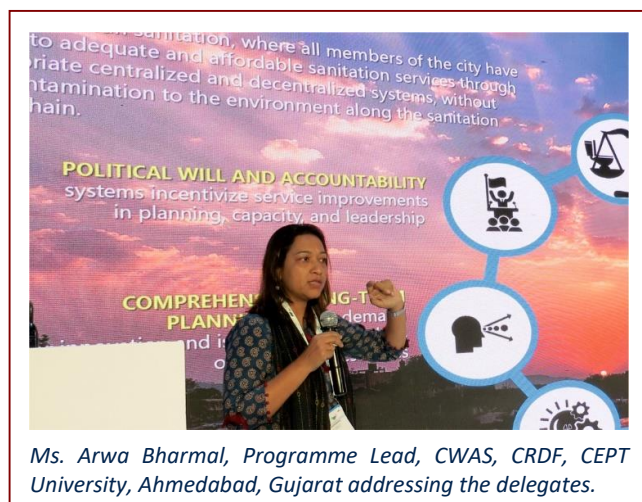


Dr. Ajit Salvi, Dy. Chief Engineer (SO), BMC, Mumbai, Maharashtra addressing the delegates.

He explained that in non-sewer network sanitation system, septic tank is important part of sanitation value chain. Faecal sludge generated in the septic tank is needed to be digested properly as it is a host for many disease causing organisms. Nevertheless, in many cases Septic tank is used as a large containment tank with overflow to the drains, which causes increase in foul odor and increases frequency of emptying of septic tank, reduction in breakdown of organic matter, increase in sludge deposition and increase in bad bacteria and pathogens. These problems arise as modern cleaning products e.g. disinfectants, bleaches and

detergents, are designed to kill the bugs i.e. bacteria. Regular use of these chemicals can upset the biological balance of the septic tank by killing off the micro-organisms that do the work. The bioremediation technology is an effective solution to address these problems. Bioremediation employs the use of living organisms like microbes and bacteria in the removal of contaminants, pollutants and toxins from soil, water and other locations. This technology can be used for digestion of sludge in septic tank effectively. It helps in reducing BOD, COD, TSS, fecal coliform etc. The presentation was concluded by stating the significance of this technology. It is easy to apply as there is no major capital expenditure, no electricity required and it is easy for operation and maintenance.

The next presentation on 'City Wide Inclusive Sanitation' approach for small towns in Maharashtra' was delivered by Ms. Arwa Bharmal, Programme Lead, Centre for Water & Sanitation (CWAS), CRDF, CEPT University, Ahmedabad, Gujarat. The presentation began by stating seven principles of City Wide Inclusive Sanitation, where all members of the city have access to adequate and affordable sanitation services through appropriate centralized and decentralized systems, without any contamination to the environment along the sanitation value chain. She presented the case of Wai, one of the eight global cities under CWIS programme, moving towards universal



Ms. Arwa Bharmal, Programme Lead, CWAS, CRDF, CEPT University, Ahmedabad, Gujarat addressing the delegates.

access to sanitation. She then presented the sanitation situation of Wai before the inception of CWIS programme. The City has moved beyond toilets and now become ODF++ City. Wai is the first City in India to pass resolution through Council to implement FSSM plan in their City. This resolution covers City Wide FSSM, involvement of private sector, scheduled cleaning, land for treatment facility, and levy of taxes.

She then explained how scheduled services are advantageous as compared to 'on demand services'. In the 'on demand basis', the cleaning services of the ULB are treated as a complaint redressal system for overflowing septic tanks rather than as a regular cleaning and maintenance service. In the scheduled practices, septic tanks are cleaned on a pre-determined schedule, which has resulted into improvement in groundwater and river water quality due to scheduled desludging. Regulations and penalties will be set in place to ensure periodic cleaning. Moreover, awareness generation activities will educate households about the need for regular cleaning.

City Wide FSSM is achieved at Wai Municipal Council (WMC) as WMC has initiated the tender process for 2nd round of service after successful completion of first 3-Year Scheduled desludging cycle covering the entire city. The operating system for scheduled desludging was fully mechanized and monitored through SaniTab / SaniTrack. It is now been mandated as a part of ODF++ protocol and Swachh Survekshan under SBM 2.0 as it shows improvement in groundwater and river water quality. After implementing FSSM in Wai, sanitation workers now wear safety gear regularly and households pay sanitation tax instead of high user charges for desludging.

Later, the focus was given on empowering women for inclusive sanitation service delivery through SHG engagement for Individual House Hold Toilets (IHHT), assessment of Community Toilets (CTs) with respect to gender inclusivity, Menstrual Hygiene Management (MHM) facilities to be installed in all CTs/PTs. She stated that WMC regularly submits various data required for, Service Level Benchmarks (SLBs), Swachh Bharat Mission (SBM) and Swachh Survekshan (SS) to the state and Central government. Furthermore, Adhava reporting system has been developed to scale up in other cities of Maharashtra as it is a monthly performance of different activities performed by the sanitation department. This system helps in strengthening sanitation activities at ULB level. She ended the presentation by explaining the current status of WMC and stating that WMC has attained ODF status and sustained the same through management of full sanitation service chain resulted in safe sanitation for all by 2022.



Mr. Vijay Sapkal, Assistant Project Coordinator, CARPE, Ecosattav, Aurangabad, Maharashtra addressing the delegates.

The next presentation on 'Inclusive & Sustainable Solid Waste Management Systems' was delivered by Mr. Vijay Sapkal, Assistant Project Coordinator, CARPE, Ecosattav, Aurangabad, Maharashtra. The presentation highlighted upon solid waste management services through BOTRAM Process. BOTRAM is the innovative, cost-effective, equitable and replicable SWM transformation process. It is a six-step process that overhauls, fortifies and enables the city's MSW machinery effective to make the waste management system reliable, safe and sustainable. He presented scenario of SWM in Indian context by stating that 77% of

solid waste is not processed and instead, transported to open dumps. Hence, the working conditions at dump sites are hazardous and undignified. The implementation of BOTRAM process achieves access to regular doorstep waste disposal system to all households, 90% of waste is diverted from landfills, and 100% of the formal and informal waste workers inducted in the systems and given access to

enhanced and dignified livelihoods. He further explained that in the BOTRAM system, baseline assessment is essential as it is a data driven and research extensive system to understand the context of SWM for the particular geography, capture Garbage Vulnerable Points (GVPs), understand and map existing SWM practices, and get an insight into available resources (land, equipment, human resources, community influencers, dry waste management facility etc.). This assessment is done through web based application. This process guides the overall planning exercises and decision making in the project. The next step is 'on boarding' and orientation, which aim to bring the political and bureaucratic leadership, residents and other stakeholders of a location together to arrive at a common goal. The key goal of this step is to suggest and implement policies and byelaws to enable streamlining of existing infrastructure and resources based on the baseline report. Besides, these two steps, training and route mapping, resource recovery, awareness campaign, monitoring and maintenance are also important steps in the BOTRAM process. Material Recovery Facilities are the cornerstone of the BOTRAM process. These are structures for the effective treatment of the diverse streams of waste.

He then explained that Geo-tagging of GVPs, vehicular routes, plastic pollution entry points of water bodies are significant components in adopting inclusive and sustainable SWM. He focused on children's involvement in waste segregation. In Paithan as children have become the ambassadors of waste segregation and encourage their families to keep the wastes separate. In conclusion, the emphasis was given on effective implementation of BOTRAM system for inclusive and sustainable SWM.

The last presentation on 'Community Engagement in Improving Sanitation – Mumbai' was delivered by Mr. Anand Jagtap, former Officer on Special Duty, BMC and Sanitation Expert, Mumbai, Maharashtra. The presentation was commenced by emphasizing on importance of community engagement in addressing issues at community level. He elaborated that community engagement is essential for people centric service delivery and helps building a resilient and inclusive system of development. It also helps in developing initiatives for project implementation at local level as active community participation in project planning and implementation may improve project design through the use of indigenous knowledge, which increases project acceptability. This ensures the sustainability of the project through resource mobilization.



Mr. Anand Jagtap, former Officer on Special Duty, BMC and Sanitation Expert, Mumbai, Maharashtra addressing the delegates.

He talked on genesis of slum adoption programme by stating that after realization about inadequacy of present services, lack of community involvement in public issues, the need for slum adoption programme arose. The functioning of slum adoption programme was explained in detail including the role and responsibilities of Community Based Organizations (CBOs) for effective implementation of slum sanitation. Furthermore, sustainability of the sanitation facilities and its management arrangements is ensured by making arrangements for generating adequate revenue through autonomy to the CBOs in fixing suitable user charges for defraying O&M expenses, providing training to the CBOs on the upkeep and operation and maintenance of the sanitation facilities etc. The presentation was concluded by depicting glimpses of success stories of slum sanitation at city level.

At the end of the Seminar, Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai felicitated the eminent speakers. She concluded the Seminar by proposing a Vote of Thanks to the speakers and delegates.

Glimpses of the Seminar



Regional Seminar on

Strengthening Community & Public Sanitation – Swachh Bharat Mission – Urban 2.0

19th November, 2022 at Navi Mumbai, Maharashtra.

The Swachh Bharat Mission - Urban 2.0, a flagship mission has been adopted in Maharashtra State as Swachh Maharashtra Mission (Urban) 2.0 with the objective of making all cities in the state garbage free. Under this mission, the aims are to achieve 3 Star and above GFC rating and ODF++ and above certification for all cities in the state by 2026. The SMM-U 2.0 adopts the policies of partnerships, innovations, capacity building, city level planning, urban-rural convergence, while aligning with national priorities. Several government bodies, development organisations, knowledge hubs, and non-government organisations have undertaken noteworthy efforts for the success of Swachh Maharashtra Mission within their capacities. Collaborative efforts through partnerships among numerous such organisations and urban local bodies are crucial to the success of SMM-U 2.0.

19th November is celebrated every year as “World Toilet Day” globally, to inspire action and to tackle the global sanitation crisis. This observance, held annually since 2013, signifies toilet as a basic necessity and raises awareness of the 3.6 billion people living without access to safely managed sanitation. It is about taking action to achieve Sustainable Development Goal 6: sanitation and water for all by 2030. It is a platform to engage in a dialogue with various stakeholders and to deliberate upon probable solutions to various challenges to access safe WASH facilities for all. Various programmes are organised at national and international level to create awareness amongst beneficiaries about the importance of toilet and improve the habits associated with it.

With this aim, the Regional Centre for Urban & Environmental Studies (RCUES) of All India Institute of Local Self Government (AIILSG), Mumbai conducted a **Regional Seminar on 'Strengthening Community and Public Sanitation – Swachh Bharat Mission – Urban 2.0'** on 19th November 2022 at Navi Mumbai, Maharashtra. This Seminar was supported by the Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI). The Seminar was conducted in collaboration with Navi Mumbai Municipal Corporation (NMMC), Navi Mumbai & Ecosan Services Foundation (ESF), Pune.

In all, 72 delegates comprising President, Dy. Municipal Commissioner, Additional City Engineer, Municipal Engineers, Chief Sanitary Officers, Chief Sanitary Inspectors, Sr. Research Officers, Sr. Programme Manager, WASH Specialists, Project Manager, Consultant, Programme Officers, Research Associates, Project Associates, Junior Overseers, Sewage Operation Inspectors, Representatives of NGOs and concerned officials from Maharashtra attended this Seminar.

At the outset Ms. Neha Hardikar, Sr. Research Officer, RCUES, AIILSG, Mumbai commenced the Seminar by giving introduction of Ms. Utkarsha Kavadi, Director, RCUES, AIILSG, Mumbai and requested her to give welcome address.



Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai addressing the participants.



Ms. Utkarsha Kavadi, Director, RCUES, AILSG, Mumbai addressing the participants.

Ms. Kavadi welcomed the dignitaries on the dais and the delegates. She gave the background of RCUES, Mumbai and its functioning and talked about the need for collaborative action in the sanitation sector, to support government missions and accomplish their objectives in cities, especially focusing on Maharashtra. She extended thanks to NMMC, Navi Mumbai & ESF, Pune for taking forward this event as a joint venture.



Mr. Babasaheb Rajale, Deputy Municipal Commissioner (SWM), NMMC, Navi Mumbai inaugurating the seminar by lighting the lamp.

The seminar was inaugurated by Mr. Babasaheb Rajale, Deputy Municipal Commissioner (SWM), NMMC, Navi Mumbai by lighting the lamp. Mr. Manoj Patil, Additional City Engineer, NMMC, Navi Mumbai, Mr. Anand Ghodke, WASH Officer, UNICEF Maharashtra, Dr. Dayanand Panse, Director, Ecosan Services Foundation (ESF), Pune and Ms. Utkarsha Kavadi, Director, RCUES, AILSG, Mumbai graced the event by their valued presence during the inauguration. Ms. Kavadi felicitated the Guests on the dais by presenting a memento after the inauguration.

Dr. Dayanand Panse, Director, Ecosan Services Foundation (ESF), Pune in his address said that population is increasing with high pace, whereas sanitation facilities for growing population are not developing to the extent required. He talked on evolution journey from sanitation to improved sanitation and up to safe sanitation.



Dr. Dayanand Panse, Director, Ecosan Services Foundation (ESF), Pune addressing the participants.



Mr. Anand Ghodke, WASH Officer, UNICEF Maharashtra talked on school sanitation and importance of cluster based sanitation. He also showed a video on Menstrual Hygiene Management (MHM) friendly toilet.

Dr. Babasaheb Rajale, Deputy Municipal Commissioner (SWM), NMMC Navi Mumbai in his address said that Swachh Survekshan (SS) is one of the biggest movement in which NMMC has achieved 3rd rank in India and 1st in Maharashtra. The exemplary initiatives and multi-stakeholder approach for WASH in NMMC highlighting the efforts for achieving and sustaining the Water+ certification was showcased.

The inauguration was followed by the technical presentations. The distinguished speakers presented the work in community and public sanitation. In the first session, six presentations were delivered on Strengthening Community & Public Sanitation in Cities.

The first presentation on 'Maharashtra Urban WASH-ES Coalition – Support to SBM-U 2.0' was delivered by Ms. Utkarsha Kavadi, Director, RCUES, AILSG, Mumbai. Ms. Kavadi said that Maharashtra Urban WASH and Environmental Sanitation (ES) Coalition is a joint initiative of the RCUES, AILSG, Mumbai and UNICEF Maharashtra to encourage partnerships and support local governments in urban WASH-ES. The focus areas of the Coalition are sanitation, solid waste management, water, environment and climate change. It aims to bring together government departments, development partners, grassroots organisations and communities in the State. The coalition initiatives bring about collaborative change by facilitating multiple stakeholders' engagement for WASH service delivery with a focus on ensuring sustainability in urban areas through long term strategic interventions.

She elaborated upon community and public sanitation in the perspective of SBM - Urban 2.0 under which ODF requires ULBs to construct CT/PT and facilitate IHHL construction in order to meet 100% demand, whereas ODF+ requires ULBs to ensure all the constructed CT/PT and IHHL to be maintained clean and kept functional and that the toilets are connected to safe sanitary containment system or sewage conveyance system. She added that ODF++ requires ULBs to ensure that wastewater from CT/PT or IHHLs should not be disposed untreated into the environment and without sustaining ODF++, a city cannot move towards Water+.

She talked on Maha Urban INNO-Wash Challenge for infection prevention and control that supports the implementation of innovative ideas for ULBs through development organizations. Currently, RCUES, AILSG, Mumbai is supporting implementation of this project at Sanagli-Miraj-Kupwad City Municipal Corporation through Maha Urban WASH-ES Coalition platform. She further stated that WASH-Action4Change is a platform for promotion and dissemination of local good practices under the urban Water, Sanitation and Hygiene (WASH) and Environmental Sanitation (ES) sector in Maharashtra. The presentation was concluded by explaining the impact of Coalition initiatives at ground level by driving change through multi stakeholders' engagement.

The next presentation on 'NMMC's Strategy in moving towards Water+ City by focusing on Community Sanitation' was delivered by Dr. Babasaheb Rajale, Deputy Municipal Commissioner (SWM), NMMC, Navi Mumbai. He initiated the session by saying that NMMC ranked first in Maharashtra and third in the Country in World's largest urban cleanliness survey. It is the first city in Maharashtra to achieve Garbage Free Cities (GFCs) '5 Star Rating' and Water+ certification in Maharashtra.

He explained uniqueness of Swachh Navi Mumbai by stating that it has a well-planned underground sewage network which caters to about 99% of the population of the city. Moreover, city has comprehensive contract for toilet maintenance and its operations. STPs are planned in such a way as to cater to population more than 30 lakhs. NMMC has established centralized online monitoring of septic tanks using level transmitters, toilets fitted with QR code-based WhatsApp feedback mechanism. More than 30% of treated recycled water is reused. He further spoke on sanitation journey since 2017 till 2021 by mentioning that it is a first city which has achieved ODF++ status in Maharashtra and explained parameters of water+ certification, focusing on water security. NMMC implemented through planned underground sewer network with seven operational STPs, beautification of water bodies and re-use of storm water in fountains, gardens, societies, depots etc. These also included clean and operational CT/PT with citizen QR code feedback mechanism, centralized online monitoring of septic tank using level transmitters and installation of Tertiary Treatment Plant.

Furthermore, NMMC executed a MoU with MIDC for reuse of the treated water. More than 40% reuse of treated wastewater is done daily in the city and achieved 100% Central Pollution Control Board (CPCB) and National Green Tribunal (NGT) compliance. The session was concluded by depicting the pictures of initiatives undertaken to become India's number one cleanest city as NMMC's Swachh Survekshan (SS) vision.



Dr. Babasaheb Rajale, Deputy Municipal Commissioner (SWM), NMMC, Navi Mumbai addressing the participants.



Ms. Rupali Kelshikar, Co-Founder, Woloo, Mumbai addressing the participants.

The next presentation on 'Public Toilets - a Business Perspective' was delivered by Ms. Rupali Kelshikar, Co-Founder, Woloo, Mumbai. She said that sanitation is still a big issue faced in India and many other countries. In addition, COVID-19 made sanitation problems even more intricate to urgently find the best solutions and innovations. Woloo has developed solutions and innovations for sanitation problems in an integrated ecosystem. Woloo Smart-Clean Hygiene Management technology is a curated cleaning management solution for toilets monitoring. It is designed to improve the cleanliness and hygiene standards for washrooms.

Woloo - Women's Powder Room, is a retail store chain set up by women franchisees to sell women's hygiene/personal care and beauty products for world class (safe & hygienic) washrooms for women of all ages. When customers use the Woloo toilets, they earn points and can redeem them later in purchasing hygiene products at Woloo toilets. IoT based app shows WAH (Woloo Assurance of Hygiene) rated toilets in public areas. Woloo is committed to empower 150 million urban working women in India with their hygiene dignity, she concluded.

The next presentation on Gandhvedh – Innovation for monitoring of O&M of CTs/PTs' was delivered by Mr. Chandrashekhar Sakpal, CEO & Co-Founder, Viliso Technologies Pvt. Ltd., Mumbai. Mr. Sakpal explained the need for a continuous monitoring system in CTs/PTs. Community-based toilets and public toilets are cleaned as per a schedule or when they are visibly dirty, but not when they stink. Exposure to unhygienic toilets, leads to poor physical and physiological health. He further explained that Gandhvedh is an IoT based product which can be installed in CT/PT and will monitor various parameters like temperature, malodour, Total Volatile Organic Compounds (TVOC), and humidity. Its odour levels are set as per CPCB norms. When the levels of these parameters cross a certain threshold, the app shows a signal indicating the level of different parameters and sends alerts to the monitoring agency and caretaker. Colour coded system is used in the app to identify hygiene levels. He further explained the benefits of Gandhvedh for users where safe access to clean and hygienic CT/PT is available. ULBs can constantly monitor CT/PT where the condition of CT/PT can be improved, hence footfall increases. ULBs could get real time data to quantify cleanliness and hygiene status of the toilets. It is a cost effective, revenue generating solution and conducive to adapting behaviour change.



Mr. Chandrashekhar Sakpal, CEO & Co-Founder, Viliso Technologies Pvt. Ltd., Mumbai addressing the participants.

The next presentation on 'ITeS based solution for O&M of Community & Public Toilets in M/East Municipal Ward of Brihanmumbai Municipal Corporation (BMC)' was delivered by Dr. Shanta Sandour, Professor Vivekanand Education Society, Mumbai. Dr. Sandour spoke about CTs/PTs, the challenges faced in their maintenance and how to address these challenges through databased solutions. The session focused on bringing accountability and transparency in community and public sanitation through multiple identified stakeholders such as Community Based Organisations (CBOs), ULBs and toilet users. She said that CBOs are officially appointed by ULBs. They play a major role in O&M of the community toilets. They work as User Manager on demand-driven approach. They play a critical role



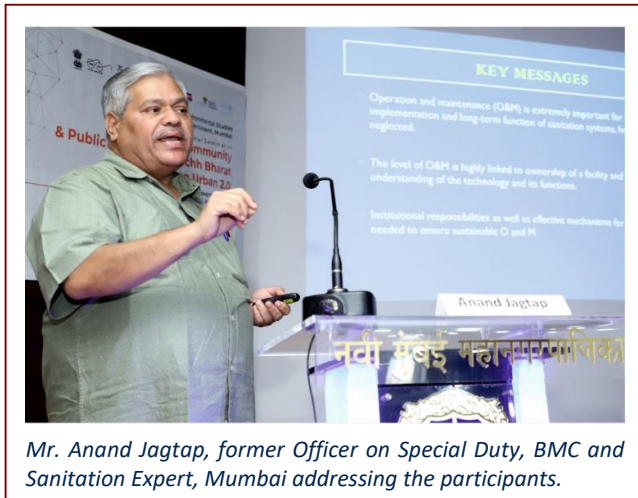
Dr. Shanta Sandour, Professor Vivekanand Education Society, Mumbai addressing the participants.

in sustainability in public sanitation. Toilets are built by the Municipal Corporation and handed over to the CBOs for O&M. However they are monitored by ULBs on a regular basis. The challenges faced by CBOs comprising water issues in toilets, women safety and lack of facilities available for children. ULBs receives complaints about women safety, non-maintenance of toilets, and unavailability of infrastructure due to lack of O&M etc. As toilets are unhygienic and not maintained properly, toilet users also face many difficulties. Hence as per the Advisory on public and community toilets developed by Ministry of Housing and Urban

Affairs (MoHUA), Government of India (GoI), need for an ITeS based monitoring system was identified, she added. The O&M parameters are recorded and maintained to track information, sustainability of infrastructure etc. This monitoring system will be able to raise complaints, keep logs of daily users of

the toilet, keep records of O&M related activities, monitoring of O&M staff and their responsibilities. The monitoring system also provide the facilities for Gender and differently abled, and keeps track of cleanliness of the CT/PT based on the feedback system, she concluded.

The last presentation of the session on 'Challenges in O&M of Community Toilets and Scope for Interventions' was made by Mr. Anand Jagtap, former Officer on Special Duty, Brihanmumbai Municipal Corporation (BMC) and Sanitation Expert, Mumbai. The session was focussed upon the importance of public and community participation in community and public sanitation. He elaborated on challenges such as high O&M expenses, lack of participation and ownership of community, lack of skilled labour, poor quality of infrastructure of community toilets, need of behavioural change among people, etc. He highlighted the innovations that can be adopted for sustainable operation and maintenance of community and public toilets. The session was concluded by emphasizing on private sector intervention in urban sanitation and provision of sanitation services at community level.



Mr. Anand Jagtap, former Officer on Special Duty, BMC and Sanitation Expert, Mumbai addressing the participants.

In the second session, three presentations were made on WASH in School to understand the current scenario of school sanitation in India.



Mr. Pravin Jadhav, Head Operations, CYDA, Pune addressing the participants.

The first presentation on 'WASH in Schools Programme' was delivered by Mr. Pravin Jadhav, Head Operations, Centre for Youth Development and Activities (CYDA), Pune. Mr. Jadhav spoke about the work under WASH in Schools in association with UNICEF and other organizations and NGOs in the remote areas. He mentioned that under the WASH in Schools Programme, more than 2 lakh students were covered, 2300+ monitoring committees were formed in schools, star rating of more than 8700+ schools was improved and 4000+ School Management Committees (SMCs) are trained.

He also mentioned that more than one lakh school Principals are trained and more than 2300+ child cabinets are formed for better management of WASH facilities in schools. The renovation and retrofitting of WASH facilities in school were undertaken under this programme. He further said that WASH Mitra is a one stop solution to O&M for school WASH facilities. WinS Alliance will act as a platform to all the organizations who are important stakeholders for WASH in school and community development. The main objective of WinS Alliance is to optimally make use of partners' knowledge, experience, expertise and networks to improve existing WASH in Institutes facilities. Government Departments, NGOs/INGOs, CSRs, CBOs, Research Institutes, and Independent Researchers are the multiple partners who can come together to achieve WinS Alliance objective. Innovations with plastic bottles and bamboos for construction of toilet blocks were explained. They have also used Tyre technology for faecal sludge management as an alternative solution to septic tank in school. He also mentioned about the challenges they faced during their projects under WASH in school.

The next presentation on 'Support to Community & School Sanitation through CSR Projects' was delivered by Mr. Aditya Bhedasgaonkar, Senior Project Manager – CSR, ESF, Pune. He talked on school sanitation with a developed strategy to make School Action Plan which includes baseline survey, institutionalization of different stakeholders, different behavioural change activities along with the hand holding and monitoring support to schools. He mentioned that ESF is trying to build a child friendly toilet in the schools to give them a sustainable facility, a way to handle vandalism, behaviour change and awareness, refurbishment of wash facilities to children for adaptability and meeting their requirements. He also said that students not only act as beneficiaries but they are the Agents of Change. ESF also works in resource conservation like water conservation through rain water harvesting, renewable resources for generating electricity from solar energy in school and liquid waste management for peri-urban and rural schools. ESF is focusing on Menstrual Hygiene Management in school and community and women development in WASH sector. He also mentioned about how ESF celebrated World Toilet Day every year for creating awareness in the society about importance of toilet and hygiene related to toilet.



Mr. Aditya Bhedasgaonkar, Senior Project Manager – CSR, ESF, Pune addressing the participants.



Mr. Sandeep Tendolkar, WASH faculty, UNICEF, Maharashtra addressing the participants.

The last presentation on 'WASH in Schools' was delivered by Mr. Sandeep Tendolkar, WASH faculty, UNICEF, Maharashtra. He highlighted the work of UNICEF under WASH in Schools. He emphasized on the issues in rural and peri-urban sanitation, wherein there is lack of availability of sanitation facilities and overall, operation and maintenance of sanitation infrastructure is immensely challenging. He mentioned that in order to implement Swachh Vidyalaya Guidelines by schools they need to address all categories of sanitation which are water facility, toilet, and

hand washing with soap, operation and maintenance, BCC and IEC activities, etc.

Besides, technical sessions, the prize distribution event was held at the end of the seminar to felicitate winning schools for competitions held on 'WASH in Schools'. The three competitions 'The Big Squat', 'My Toilet My Responsibility', 'WASH to be celebrated' were organized and conducted by ESF, Pune and the Secretariat, Maha-U-WES-C in collaboration with CYDA, Pune. The representatives of the schools were felicitated at the ceremony as the schools had vigorously participated by engaging students in these competitions.



Felicitation of winning schools for competitions held on 'WASH in Schools'.

At the end of the Seminar, Ms. Neha Hardikar, Sr. Research Officer, RCUES, AILSG, Mumbai felicitated the distinguished speakers. She concluded the Seminar by proposing a Vote of Thanks to the speakers and delegates.

Glimpses of the Seminar



• **ANNEXURES**



Regional Specialized Web-Based Training Programme on

Menstrual Hygiene Management

under Health & Safety of Sanitation Workers

30th – 31st May 2022

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.20 hrs.	Health, Safety and Wellbeing of Sanitation Workers	<ul style="list-style-type: none">• Preventive health measures of sanitation workers• Causes of employee absenteeism and its impact at workplace• Performance issues at workplace due to health & safety	Mr. Anil Kumar Jain Former Additional Chief Engineer, Public Health Engineering Department (PHED), Govt. of Rajasthan.
Session 2 12.20 to 12.50 hrs.	Occupational Health and Safety of FLWs/ Sanitation Workers	<ul style="list-style-type: none">• Ensuring Health and Safety by developing safety measures• Enhancing their capacity to address the challenges and delivery sanitation services.• Role of ULBS in advocating for sanitation workers and improving their working conditions.	Dr. Ajit Salvi Dy. Chief Engineer, Sewerage Operation (SO), Brihanmumbai Municipal Corporation (BMC), Mumbai, Maharashtra.
Session 3 12.50 to 13.00 hrs.	Discussion	Question & Answer	Open Forum

Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.20 hrs.	Overview of Menstrual Management (MHM)	<ul style="list-style-type: none"> • Importance of good menstrual hygiene management • Menstruation and nutrition • Menstruation challenges at community level 	Ms. Aparna Kulkarni- Gowande State Communication Consultant for Water, Sanitation and Menstrual Hygiene, Maharashtra.
Session 2 12.20 to 12.50 hrs.	Key Action Points to be taken for advocating Menstrual Management (MHM)	<ul style="list-style-type: none"> • Budgetary Provisions for MHM at ULB level • Promoting MHM friendly Interventions 	Ms. Deane Menezes Founder, Red is the New Green (RING) Sustainable Development Foundation
Session 3 12.50 to 13.00 hrs.	Discussion	Question & Answer	Open Forum

Regional Specialized Web-Based Training Programme on

Swachh Bharat Mission – Urban 2.0

07th – 08th June 2022

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Swachh Bharat Mission – Urban 2.0	<ul style="list-style-type: none"> • Overview of Swachh Bharat Mission - Urban 2.0 • ULBs' Approach in making Cities Garbage Free 	Mr. Arvind Kumar Singh Head, Water & Sanitation Urban Management Centre
Session 2 12.10 to 12.40 hrs.	Sustainable Solid Waste Management in Cities under SBM - Urban 2.0	<ul style="list-style-type: none"> • Issues and Challenges in Source Segregation • Principles of 3 R's (Reduce, Reuse and Recycle) • Reduction in Single-Use Plastic (SUP) and Air Pollution 	Dr. Milind Kulkarni Former Professor, Environmental Engineering IIT, Bombay, Mumbai, Maharashtra
Session 3 12.40 to 13.00 hrs.	Importance of IEC and Stakeholders' Participation in Implementation of SBM – Urban 2.0	<ul style="list-style-type: none"> • Behaviour Change Communication (BBC) Framework for Garbage Free Cities • IEC Drives 	Mr. Anand Jagtap Former OSD, MCGM & Sanitation Expert, Mumbai

Session 4 13.00 to 13.30 hrs.	Discussion	Question & Answer	Open Forum
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Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Sustainable Sanitation in Cities under SBM - Urban 2.0	<ul style="list-style-type: none"> • Holistic Approach towards Sanitation Service Chain • Issues and Challenges in implementation of sanitation chain 	Ms. Raagini Jaain Founder & MD, Geetanjali Environtech Pvt. Ltd., & National Technical Expert in SBM India
Session 2 12.10 to 12.40 hrs.	Construction & Demolition (C&D) Waste under SBM U - 2.0	<ul style="list-style-type: none"> • Issues and Challenges in handling C & D Waste in Indian Cities • Holistic Approach towards Sanitation 	Dr. Dilip Patel Professor, Department of Civil Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat.
Session 3 12.40 to 13.00 hrs.	Discussion	Question & Answer	Open Forum

Regional Specialized Web-Based Training Programme on

Atal Mission for Rejuvenation and Urban Transformation – 2.0

15th - 16th June 2022

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.00 hrs.	Overview of AMRUT & AMRUT – 2.0	<ul style="list-style-type: none"> • Mission Components & Thrust Areas • Pey Jal Sarvekshan • Provision of technological based portal management 	Mr. P. C. Pisolkar Former Chief Municipal Auditor, Brihanmumbai Municipal Corporation (BMC), Mumbai, Maharashtra.
Session 2 12.00 to 12.20 hrs.	Strategies adopted for making AtmaNirbhar Bharat under AMRUT 2.0	<ul style="list-style-type: none"> • Provision of Universal coverage of water in all statutory towns • Coverage of sewerage/ septage management in 500 AMRUT cities 	Mr. Sravan Kumar Kota Research Officer, South Asian Institute for Advanced Research and Development (SAIARD), Guwahati, Assam.
Session 3 12.20 to 12.40 hrs.	Encouraging to develop Green Spaces & Parks	<ul style="list-style-type: none"> • Efforts to increase the amenity value of cities • Developing greenery and open spaces & parks 	Ms. Amruta Vasudeon Manager, Vodafone Idea Ltd.

Session 3 12.40 to 13.00 hrs.	Discussion	Question & Answer	Open Forum
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Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.00 hrs.	Rejuvenation of Urban Transport system	<ul style="list-style-type: none"> • Scenario of urban transport • Importance of urban transport under AMRUT 2.0 Raising public awareness about sustainable urban transport • Encouraging non – motorised transport 	Mr. T. C. Benzamine, IAS (Retd.) Former Principal Secretary, Urban Development Department, Government of Maharashtra.
Session 2 12.00 to 12.40 hrs.	Promoting Public Private Partnership	<ul style="list-style-type: none"> • Mobilization of market finance to develop projects at community as well as city level • Adoption of leading technologies in water sector • Encouragement of entrepreneurs/ start-ups for balancing water eco-system 	Mr. Siddhesh Khedekar Manager, KPMG Managing Consultant, Urban Development, GoM.
Session 3 12.40 to 13.00 hrs.	Discussion	Question & Answer	Open Forum

Regional Specialized Web-Based Training Programme on

Jal Jeevan Mission – Urban

23rd - 24th June 2022

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Overview of Jal Jeevan Mission – Urban (JJM-U)	<ul style="list-style-type: none"> Jal Jeevan Abhiyan Importance of water conservation Issues and challenges in JJM -U 	Mr. Devendra Dhapola WASH Expert, New Delhi.
Session 2 12.10 to 12.40 hrs.	Advance Urban Water Management	<ul style="list-style-type: none"> Challenges in improving intermittent water supply Smart and efficient water supply systems 	Dr. Pradip Kalbar Associate Professor, Centre for Urban Science and Engineering (CUSE), IIT, Bombay, Maharashtra.
Session 3 12.40 to 13.10 hrs.	Water Conservation through Waste Water Management	<ul style="list-style-type: none"> Water Stressed Cities. Contamination of water bodies and related health issues. Wastewater Management through recycling and reuse 	Dr. Ajit Salvi Dy. Chief Engineer (SO), Brihanmumbai Municipal Corporation (BMC), Mumbai, Maharashtra.

Session 3 13.10 to 13.30 hrs.	Discussion	Question & Answer	Open Forum
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Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Water Audit – An Approach to Water Conservation	-	Mr. Anil Kotkar Executive Engineer (Meters) Revenue, Brihanmumbai Municipal Corporation (BMC), Mumbai, Maharashtra.
Session 2 12.10 to 12.40 hrs.	Solarization of Urban Water Supply for Optimization of Energy Charges	-	Mr. Shrinivas Deshpande Retd. Joint Director (Engineering), Ground Water Surveys and Development Agency, Water Supply & Sanitation Department, Government of Maharashtra.
Session 3 12.40 to 13.10 hrs.	Rainwater Harvesting & Ground Water Management	<ul style="list-style-type: none"> • Current water situation I urban areas • Rainwater Harvesting as an effective solution • Case Study 	Mr. Sandeep Adhyapak Chairman & Managing Director, Water Filed technologies Pvt. Ltd. Thane, Maharashtra.
Session 4 13.10 to 13.30 hrs.	Discussion	Question & Answer	Open Forum

Regional Specialized Web-Based Training Programme on

National Urban Livelihoods Mission (NULM)

29th - 30th June 2022

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Overview of NULM	<ul style="list-style-type: none"> • Issues & challenges in implementation of NULM • Post pandemic approach of NULM • Sustainable livelihoods opportunities for SHGs & beneficiaries • Government initiatives for strengthening NULM mission 	Mr. Rohidas Dorkulkar Deputy Commissioner, DAY – NULM, Directorate of Municipal Administration, Navi Mumbai, Maharashtra.
Session 2 12.10 to 12.40 hrs.	Convergence of SBM & NULM for Sustainable Livelihoods Opportunity	<ul style="list-style-type: none"> • Enhancing sanitation & waste management-based livelihoods opportunities • Convergence with other social protection schemes 	Dr. Ajit Salvi Dy. Chief Engineer, Sewerage Operation (SO), Brihanmumbai Municipal Corporation (BMC), Mumbai, Maharashtra.
Session 3 12.40 to 13.00 hrs.	Discussion	Question & Answer	Open Forum

Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Implementation of Good Practices under NULM	<ul style="list-style-type: none"> • Status of Street Vendors under NULM • Street vendors' survey – Experience sharing 	Mr. Man Mohan Sharma State Mission Manager, SMID, NULM, Rajasthan.
Session 2 12.10 to 12.40 hrs.	Generating new livelihoods opportunities through implementing innovative and special projects at local level	–	Mr. Abdur Mukit Bin Rouf State Project Manager (S&SI) and PM SVANidhi, Assam Urban Livelihoods Mission (ASULM), Assam.
Session 3 12.40 to 13.10 hrs.	Shelter schemes implemented for homeless	–	Dr. Gayatri Jariwala Asst. Municipal Commissioner, Surat Municipal Corporation, Gujarat.
Session 3 13.10 to 13.30 hrs.	Discussion	Question & Answer	Open Forum

Regional Specialized Web-Based Training Programme on

Solid and Liquid Waste Management in Urban Areas

07th - 08th July 2022

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Overview of Swachh Bharat Mission – Urban 2.0	<ul style="list-style-type: none"> Guidelines of Swachh Bharat Mission - Urban 2.0 ULBs' Approach in making Cities Garbage Free Expected Outcome Funding allocation for implementation of SBM - U 2.0 	Ms. Hetal Sorathia Manager (Projects), SBM Urban Mission Director Office, Ahmedabad, Gujarat.
Session 2 12.10 to 12.40 hrs.	Sustainable Solid Waste Management	<ul style="list-style-type: none"> Issues and Challenges in Source Segregation Principles of 3 R's (Reduce, Reuse and Recycle) ULB level intervention to make solid waste management sustainable 	Dr. Ketana Matkar Founder and Managing Director, Cipher Environmental Solutions LLP, Mumbai, Maharashtra.
Session 3 12.40 to 13.10 hrs.	Plastic Waste Management	<ul style="list-style-type: none"> Government notifications on Plastic Waste Management Issues in implementation of plastic waste Impact of plastic pollution of health 	Ms. Madhavi Patel Project Officer, SBM Urban Mission Director Office, Ahmedabad, Gujarat.

Session 3 13.10 to 13.30 hrs.	Discussion	Question & Answer	Open Forum
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Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.25 hrs.	Swachh Bharat Mission Urban 2.0 - Mission and Programs	<ul style="list-style-type: none"> • Legal Mandates of wastewater management under SBM-U 2.0 • Policies and Guidelines • Proposed strategies for SLWM • Swachh Survekshan 2023 	Mr. Saurabh Kale Sr. Project Manager, Ecosan Services Foundation (ESF), Pune, Maharashtra.
Session 2 12.25 to 13.10 hrs.	Used Water Management for a City	<ul style="list-style-type: none"> • Used Water Management Approaches • Conveyance of used water • Used water treatment 	Mr. Dhawal Patil General Manager, Ecosan Services Foundation, (ESF), Pune, Maharashtra.
Session 3 13.10 to 13.30 hrs.	Discussion	<ul style="list-style-type: none"> • Legal Mandates of wastewater management under SBM-U 2.0 • Policies and Guidelines • Proposed strategies for SLWM • Swachh Survekshan 2023 	Open Forum

Regional Specialized Training Programme on

Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS

27th July 2022 at Nagpur, Maharashtra

Programme Outline

Session and Time	Topic	Content	Faculty / Subject Expert
09.00 to 09.30 hrs.	Registration		RCUES of AILSG, Mumbai
09.30 to 09.40 hrs.	Introduction		Ms. Maleka Ansari Sr. Research Officer, RCUES, AILSG, Mumbai.
09.40 to 09.50 hrs.	Inauguration & Special Address		Mr. Amol Budhkhandwar Executive Engineer/ 2, PMAY, MHADA, Mumbai, Maharashtra.
09.50 to 10.00 hrs.	Keynote Address		Mr. Akhilesh Kekare Regional Coordinator, PMU, PMAY, MoHUA, Gol.
Session 1 10.00 to 11.15 hrs.	Effective implementation of MIS portal under PMAY (U)	<ul style="list-style-type: none"> • Data entry of survey (format 4A and 4B) • Add/Update Slum Details • Add Implementing Agency Details • Approval of Mapped Planning Areas 	Ms. Pooja Gupta, Lead MIS, PMAY, MoHUA, Gol.

		<ul style="list-style-type: none"> • Adding Master Data for Wards/Area • Entering of Annexure • Beneficiaries Attachment with Aadhaar • Submission of Monthly Progress Report (MPR-BLC) 	
11.15 to 11.30 hrs.	Tea Break & Group Photo		
Session 2 11.30 to 12.30 hrs.	Operational Strategies of MIS under PMAY - Part 1	<ul style="list-style-type: none"> • Revision of Project in MIS • Category Gender Modification in Project Annexure Request • Capturing of Joint Holder Name in Survey Data and Retrospective Data • Aadhaar Information Mismatch 	Ms. Pooja Gupta, Lead MIS, PMAY, MoHUA, Gol.
Session 3 12.50 to 13.00 hrs.	Operational Strategies of MIS under PMAY - Part 2	<ul style="list-style-type: none"> • Introduction to E-finance Module • Beneficiary wise funds released (Central Assistance + State Share + ULB Share) • Submission of information related to Sanction Order released against State Share 	Mr. Akhilesh Kekare Regional Coordinator, PMU, PMAY, MoHUA, Gol.
13.30 to 14.15 hrs.	Lunch Break		
Session 4 14.15 to 15.30 hrs.	Validation & Modification of Documentation	<ul style="list-style-type: none"> • Aadhaar Replication • Beneficiaries Mobile No updation & Bank Account updation • Utilisation Certificate + ATR • Update Beneficiary House completion Status • Account Freezing of the Beneficiaries • 3rd instalment module • Submission of UC and ATR • DBT expenditure of all cities 	Mr. Akhilesh Kekare Regional Coordinator, PMU, PMAY, MoHUA, Gol.

		<ul style="list-style-type: none"> • Category and Gender Modification 	
15.30 to 15.45 hrs.	Tea Break		
Session 5 15.45 to 16.30 hrs.	Bhuvan HFA Mobile Application and Geotagging	-	Mr. Radheyshyam Saini Sr. Project Consultant, GIS Expert, MoHUA, Gol.
Session 6 16.30 to 17.30 hrs.	MIS for City Login under PMAY	<ul style="list-style-type: none"> • Legal heir • 3rd Instalment • Validation of data • Dashboard overview for city login 	Mr. Radheyshyam Saini Sr. Project Consultant, GIS Expert, MoHUA, Gol.
Session 7 17.30 to 18.00 hrs.	Questions & Answers and Summing Up		Open Forum

Regional Specialized Training Programme on

Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS

29th July 2022 at Pune, Maharashtra

Programme Outline

Session and Time	Topic	Content	Faculty / Subject Expert
09.00 to 09.30 hrs.	Registration		RCUES of AILSG, Mumbai
09.30 to 09.40 hrs.	Introduction		Ms. Neha Hardikar Sr. Research Officer, RCUES, AILSG, Mumbai.
09.40 to 09.50 hrs.	Inauguration & Special Address		Mr. Amol Budhkhandwar Executive Engineer/ 2, PMAY, MHADA, Mumbai, Maharashtra.
09.50 to 10.00 hrs.	Keynote Address		Mr. Akhilesh Kekare Regional Coordinator, PMU, PMAY, MoHUA, Gol.
Session 1 10.00 to 11.15 hrs.	Effective implementation of MIS portal under PMAY (U)	<ul style="list-style-type: none"> • Data entry of survey (format 4A and 4B) • Add/Update Slum Details • Add Implementing Agency Details 	Ms. Pooja Gupta, Lead MIS, PMAY, MoHUA, Gol.

		<ul style="list-style-type: none"> • Approval of Mapped Planning Areas • Adding Master Data for Wards/Area • Entering of Annexure • Beneficiaries Attachment with Aadhaar • Submission of Monthly Progress Report (MPR-BLC) 	
11.15 to 11.30 hrs.	Tea Break & Group Photo		
Session 2 11.30 to 12.30 hrs.	Operational Strategies of MIS under PMAY - Part 1	<ul style="list-style-type: none"> • Revision of Project in MIS • Category Gender Modification in Project Annexure Request • Capturing of Joint Holder Name in Survey Data and Retrospective Data • Aadhaar Information Mismatch 	Ms. Pooja Gupta, Lead MIS, PMAY, MoHUA, Gol.
Session 3 12.50 to 13.00 hrs.	Operational Strategies of MIS under PMAY - Part 2	<ul style="list-style-type: none"> • Introduction to E-finance Module • Beneficiary wise funds released (Central Assistance + State Share + ULB Share) • Submission of information related to Sanction Order released against State Share 	Mr. Akhilesh Kekare Regional Coordinator, PMU, PMAY, MoHUA, Gol.
13.30 to 14.15 hrs.	Lunch Break		
Session 4 14.15 to 15.30 hrs.	Validation & Modification of Documentation	<ul style="list-style-type: none"> • Aadhaar Replication • Beneficiaries Mobile No updation & Bank Account updation • Utilisation Certificate + ATR • Update Beneficiary House completion Status • Account Freezing of the Beneficiaries • 3rd instalment module • Submission of UC and ATR 	Mr. Akhilesh Kekare Regional Coordinator, PMU, PMAY, MoHUA, Gol.

		<ul style="list-style-type: none"> • DBT expenditure of all cities • Category and Gender Modification 	
15.30 to 15.45 hrs.	Tea Break		
Session 5 15.45 to 16.30 hrs.	Bhuvan HFA Mobile Application and Geotagging	-	Mr. Radheyshyam Saini Sr. Project Consultant, GIS Expert, MoHUA, Gol.
Session 6 16.30 to 17.30 hrs.	MIS for City Login under PMAY	<ul style="list-style-type: none"> • Legal heir • 3rd Instalment • Validation of data • Dash board overview for city login 	Mr. Radheyshyam Saini Sr. Project Consultant, GIS Expert, MoHUA, Gol.
Session 7 17.30 to 18.00 hrs.	Questions & Answers and Summing Up		Open Forum

Regional Specialized Web-Based Training Programme on

Financial Reforms at ULB Level

04th - 05th August 2022

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Overview of Indian Economy	<ul style="list-style-type: none"> • Overview of economic scenario of cities • Impact of economic inflation on cities 	Dr. Ranjan Kumar Das Associate Professor, Symbiosis School of Economics, Pune, Maharashtra.
Session 2 12.10 to 12.40 hrs.	Financing Urban Infrastructure	<ul style="list-style-type: none"> • Issues and Challenges • Options to encourage financing urban infrastructure 	Dr. Mukesh Mathur Consultant, AILSG, New Delhi. Former Professor, National Institute of Urban Affairs (NIUA), New Delhi.
Session 3 12.40 to 13.10 hrs.	Role of Central & State Government in Amending Financial Reforms at ULB Level	<ul style="list-style-type: none"> • Financial reforms for ULBs to provide sustainable solutions of Development Projects 	Dr. Sanjaykumar Phad Asst. Professor, Dept. of Economics, SNDT Women's University, Mumbai, Maharashtra.
Session 3 13.10 to 13.30 hrs.	Discussion	Question & Answer	Open Forum

Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.30 hrs.	Health Financing by ULBs	<ul style="list-style-type: none"> • Investment Opportunities in healthcare sector • Strategies for sustainable health infrastructure at ULB level 	Mr. Ravi Duggal Expert, Public Health, Mumbai, Maharashtra.
Session 2 12.30 to 13.00 hrs.	Municipal financial management	<ul style="list-style-type: none"> • Municipal Finance at ULB level • Planning, organizing, controlling and monitoring financial resources • Budgetary Provisions for ULBs for upgrading infrastructure and services 	Mr. T. R. Dilip Associate Professor, International Institute of Population Science, Mumbai, Maharashtra.
Session 3 13.00 to 13.30 hrs.	Discussion	Question & Answer	Open Forum

Regional Specialized Web-Based Training Programme on

Urban Environment and Climate Change

13th - 14th October 2022

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AIIILSG, Mumbai
	Special Address		Dr. Jairaj Phatak IAS, (Retd.) Director General, AIIILSG.
Session 1 11.40 to 12.10 hrs.	Overview of Climate Change	<ul style="list-style-type: none"> • Important aspects of climate change • Climate change & its adverse impact on environment. • Climate change impact on India 	Mr. Sandeep Goswami, Consultant – UN Sustainable Development Goals.
Session 2 12.10 to 12.40 hrs.	Climate Change Mitigation Initiatives	<ul style="list-style-type: none"> • Adaptation and Mitigation • Paris Agreement • CoP26 and international commitments to achieve net zero • India's commitments – NDCs • Efforts at country level to mitigate climate change 	Ms. Shivani Mehta Consultant, Climate Change and Resilience, UNICEF, Maharashtra.
Session 3 12.40 to 13.00 hrs.	Net Zero- India's New Climate Target	<ul style="list-style-type: none"> • India's Contribution Towards Net Zero Carbon Emission • Electric Vehicles & Renewable Energy Targets. • India's Net Zero by 2070 targets 	Mr. Spondon Bhagowati Engagement Manager, Impact Consulting, Wales, United Kingdom.

Session 4 13.00 to 13.30 hrs.	Discussion	Question & Answer	Open Forum
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Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	City Climate Action Plan (CCAP)	<ul style="list-style-type: none"> • Climate Change & Global Warming • Effects of Global Warming • Role of ULBs to implement CCAP 	Dr. Ketana Matkar Founder & Managing Director, Cipher Environmental Solutions LLP, Thane, Maharashtra.
Session 2 12.10 to 12.40 hrs.	Green Initiatives – Solutions to Climate Change.	<ul style="list-style-type: none"> • Good practices implemented by cities 	Ms. Neha Singh Founder & Director, Forest Regeneration and Environmental Sustainability Trust (FORREST), Pune, Maharashtra.
Session 3 12.40 to 13.00 hrs.	Discussion	Question & Answer	Open Forum

Regional Specialized Web-Based Training Programme on

National Urban Livelihoods Mission (NULM)

02nd - 03rd November 2022

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Current Status of NULM in Maharashtra	-	Mr. Rohidas Dorkulkar Dy. Commissioner, DAY-NULM, Directorate of Municipal Administration (DMA), Navi Mumbai, Maharashtra.
Session 2 12.10 to 12.45 hrs.	Convergence of NULM & Prime Minister Formalization of Micro-food processing Enterprises (PM FME)	<ul style="list-style-type: none"> • Need for convergence of NULM & PM FME • Guidelines of PMFME and its objective • One District One Product (ODOP) approach • PMFME Components and its implementation 	Mr. Mayank Mishra National Mission Manager, DAY -NULM, Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI), New Delhi.
Session 3 12.45 to 13.15 hrs.	Issues and Challenges in implementation of NULM at City Level	<ul style="list-style-type: none"> • Issues in implementing components of NULM • Funding pattern under different components of NULM 	Ms. Sandhya Bhandari State Mission Manager, DAY-NULM, Department of Local Self Government, Government of Rajasthan, Jaipur.

Session 3 12.50 to 13.00 hrs.	Discussion	Question & Answer	Open Forum
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Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.25 hrs.	Convergence of NULM & SBM	<ul style="list-style-type: none"> • Need of convergence of NULM & SBM • Strategies adopted for effective NULM & SBM convergence. • Success stories of NULM & SBM convergence from State of Odisha 	Dr. Manmohan Moharana State Mission Manager, DAY-NULM, State Urban Development Agency Housing & Urban Development Department, Government of Odisha.
Session 2 12.25 to 13.10 hrs.	Good initiatives under NULM	-	Mr. Kisholay Das State Mission Manager, DAY-NULM, Department of Housing & Urban Affairs, Government of Assam.
Session 3 13.10 to 13.30 hrs.	Discussion	Question & Answer	Open Forum

Regional Specialized Training Programme on

Swachh Bharat Mission – Urban 2.0

03rd - 04th November 2022 in Panji, Goa

Programme Outline

Day 1

Session and Time	Content	Faculty / Subject Expert
09.30 to 10.00 hrs.	Registration	RCUES of AILSG, Mumbai
10.00 to 10.10 hrs.	Introduction	RCUES of AILSG, Mumbai
10.10 to 10.30 hrs.	Inauguration Special Address	Ms. Neelam Yedage President, Malkapur Municipal Council, Maharashtra. Mr. Leo Rodrigues Chairperson, Mormugaon Municipal Council, Goa. Mr. Ramakant Naik Chairperson, Canacona Municipal Council, Goa. Mr. Manohar Shinde Vice President, Malkapur Municipal Council, Maharashtra.

Session 1 10.30 to 11.00 hrs.	Swachh Bharat Mission – Urban 2.0 <ul style="list-style-type: none"> • Overview of Swachh Bharat Mission – Urban 2.0 	Ms. Jayalakshmi Chekkala Project Manager, AIIILSG, Mumbai, Maharashtra.
Session 2 11.00 to 11.45 hrs.	Sustainable Solid Waste Management in Cities under SBM – Urban 2.0 <ul style="list-style-type: none"> • Issues and Challenges in Source Segregation • Principles of 3R's (Reduce, Reuse and Recycle) • Reduction in Single-Use Plastic (SUP) and Air Pollution 	Dr. Ketana Matkar Founder & Managing Director, Cipher Environmental Solutions LLP, Thane, Maharashtra.
Session 3 11.45 to 12.30 hrs.	Sustainable Solid Waste Management in Cities under SBM – Urban 2.0 <ul style="list-style-type: none"> • Reduction in Single Use Plastic (SUP) and Air Pollution • Convergence with other stakeholders in plastic removal IEC drive 	Dr. Ketana Matkar Founder & Managing Director, Cipher Environmental Solutions LLP, Thane, Maharashtra.
Session 4 12.30 to 13.15 hrs.	Importance of IEC and stakeholders' Participation in Implementation of SBM – Urban 2.0 <ul style="list-style-type: none"> • Behaviour Change Communication (BCC) framework for Garbage Free Cities • IEC Drives 	Mr. Anand Jagtap Former Officer on Special Duty, Brihanmumbai Municipal Corporation (BMC), Mumbai, Maharashtra.
Session 5 13.15 to 14.00 hrs.	ULBs' Approach in Making Cities Garbage Free <ul style="list-style-type: none"> • Solid Waste Management • Faecal Sludge & Septage Management (FSSM) 	Mr. Manohar Shinde Vice President & Chairman, Water Supply and Sanitation Committee, Malkapur Municipal Council, Satara, Maharashtra. Mr. Uttam Bagade Municipal Engineer, Maharashtra Jeevan Pradhikaran (MJP).
14.00 to 15.00 hrs.	Lunch	

Session 6 15.00 to 18.00 hrs.	Field Visit • Bicholim – Dry Waste Management Plant	
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Day 2

Session and Time	Content	Faculty / Subject Expert
Session 1 10.00 to 10.30 hrs.	Sustainable Sanitation in Cities under SBM – Urban 2.0 – ULB Presentation • Holistic Approach towards Sanitation Service Chain • Issues and Challenges in Implementation of Sanitation Chain	Mr. C. R. Kharsan, IAS Dy. Municipal Commissioner, Ahmedabad Municipal Corporation, Gujarat.
10.30 to 10.45 hrs.	Tea Break & Group Photo	
Session 2 10.45 to 11.30 hrs.	Urban Rural Convergence under SBM – 2.0 • Faecal Sludge & Septage Management (FSSM) • Dry Waste	Ms. Jayalakshmi Chekkala Project Manager, AIIILSG, Mumbai, Maharashtra.
Session 3 11.30 to 12.00 hrs.	ULBs Presentation on Special drives implementation to achieve Garbage Free City under SBM	Maharashtra. Goa. Rajasthan.
Session 4 12.00 to 12.45 hrs.	Group Work on Feasibility & Planning for Urban Rural Linkages • Preparation of Action Plan • Presentation by Groups	RCUES of AIIILSG, Mumbai
Session 5 12.45 to 13.00 hrs.	Discussion	
Session 6 13.00 to 13.30 hrs.	Summing up	
14.00 hrs. onwards	Lunch & Departure	

Regional Specialized Web-Based Training Programme on

Role of Elected Representatives in Implementing Missions & Programmes

10th - 11th November 2022

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Swachh Bharat Mission – Urban 2.0	<ul style="list-style-type: none"> • Current status of SBM U 2.0 • Importance of segregation at source to become Garbage Free Cities • Role of elected representatives in effective implementation of SBM U 2.0 at city level 	Mr. Arvind Kumar Singh Head, Water and Sanitation, Urban Management Centre (UMC), Ahmedabad, Gujarat.
Session 2 12.10 to 12.40 hrs.	Atal Mission for Rejuvenation and Urban Transformation -2.0 (AMRUT -2.0)	<ul style="list-style-type: none"> • Current scenario of implementation of AMRUT -2.0 • Issues & challenges in implementing AMRUT – 2.0 at ULB level • Role of elected representatives in providing effective service delivery to citizen at ULB level 	Mr. Devendra Dhapola WASH Expert, New Delhi.
Session 3 12.40 to 13.00 hrs.	Pradhan Mantri Matru Vandana Yojana (PMMVY)	<ul style="list-style-type: none"> • Current implementation status of PMMVY • Challenges in implementing PMMVY at city level 	Ms. Avani Mulye Research Associate, RCUES, AILSG, Mumbai, Maharashtra.

		<ul style="list-style-type: none"> • Role of elected representatives in effective implementation through synergies with ULB officials and other stakeholders. 	
Session 4 13.00 to 13.20 hrs.	Role of Elected Representatives under community sanitation and FSSM in Cities	-	Ms. Jayalakshmi Chekkala Project Manager, Secretariate, Maha-UWES-WASH-C, RCUES of AILSG, Mumbai, Maharashtra.

Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Pradhan Mantri Awas Yojana (PMAY)	<ul style="list-style-type: none"> • Pradhan Mantri Awas Yojana (PMAY) Current status of PMAY mission • Issues & Challenges in handling MIS portal of PMAY • Role of elected representatives in its implementation 	Ms. Tithi Soladhara Visiting Professor, CEPT University & Nirma University, Ahmedabad, Gujarat.
Session 2 12.10 to 12.40 hrs.	National Urban Livelihoods Mission (NULM)	<ul style="list-style-type: none"> • Current implementation status of NULM • Challenges in implementing NULM at city level • Role of elected representatives in developing livelihoods opportunities through synergies with ULB officials and other stakeholders. 	Mr. Mayank Mishra National Mission Manager, DAY - NULM, Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI), New Delhi.
Session 3 12.40 to 13.00 hrs.	Discussion	Question & Answer	Discussion

Regional Specialized Web-Based Training Programme on

Role of CBOs / NGOs / SHGs in WASH

25th November 2022

Programme Outline

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	City Level Approach in Implementation of WASH - Role of NGOs, CBOS & SHGs	<ul style="list-style-type: none">• Efforts to implement community engagement and sensitization of behaviour program for achieving sustainable outcomes.• IEC and capacity building activities at ULB level• Water & sanitation related menstrual hygiene of Adolescent	Dr. Gayatri Jariwala Asst. Municipal Commissioner, Surat Municipal Corporation, Gujarat.
Session 2 12.10 to 12.40 hrs.	Role of NGOs and CBOs in Waste Management	<ul style="list-style-type: none">• Environmental protection and awareness generation• introduction of alternative livelihoods services for vulnerable communities• Role of NGOs in Promoting and Strengthening SHGs	Mr. Pramod Dabrase Environmental scientist, Chief executive-CSEDJ, Navi Mumbai, Maharashtra.

Session 3 12.40 to 13.10 hrs.	Role of NGOs & CBOs in implementation of Sanitation	<ul style="list-style-type: none">• Efforts for strengthening community participation.• Mobilization of resources and facilitation of services• Strengthening Sustainable WASH Programme• Technical support to the government in planning, capacity building, implementation of projects related to WASH	Ms. Seema Redkar Former Officer on Special Duty, Brihanmumbai Municipal Corporation (BMC), Mumbai, Maharashtra.
Session 4 13.10 to 13.30 hrs.	Discussion	Question & Answer	Open Forum

Regional Specialized Web-Based Training Programme on

Atal Mission for Rejuvenation and Urban Transformation– 2.0

29th - 30th November 2022

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.00 hrs.	Overview of AMRUT & AMRUT – 2.0	<ul style="list-style-type: none"> • Mission Components & Thrust Areas • Pey Jal Sarvekshan • Provision of technological based portal management. 	Ms. Natasha Kakaty Consultant - Civil, AMRUT, Assam.
Session 2 12.00 to 12.20 hrs.	Strategies adopted for making AtmaNirbhar Bharat under AMRUT 2.0	<ul style="list-style-type: none"> • Provision of Universal coverage of water in all statutory towns • Coverage of sewerage/ septage management in 500 AMRUT cities 	Mr. Sravan Kumar Kota Research Officer, South Asian Institute for Advanced Research and Development (SAIARD), Guwahati, Assam.
Session 3 12.00 to 12.20 hrs.	Encouraging to develop Green Spaces & Parks	<ul style="list-style-type: none"> • Efforts to increase the amenity value of cities • Developing greenery and open spaces & parks 	Ms. Neha Singh Founder and Director, Forest Regeneration and Environmental Sustainability Trust (FORREST), Pune, Maharashtra

Session 4 12.40 to 13.00 hrs.	Discussion	Question & Answer	Open Forum
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Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.20 hrs.	Promoting Public Private Partnership	<ul style="list-style-type: none"> • Mobilization of market finance to develop projects at community as well as city level • Adoption of leading technologies in water sector • Encouragement of entrepreneurs/ start-ups for balancing water eco-system 	Dr. Ajit Salvi Executive Engineer, MSDP, Brihanmumbai Municipal Corporation (BMC), Mumbai, Maharashtra.
Session 2 12.20 to 12.50 hrs.	Rejuvenation of Urban Transport system	<ul style="list-style-type: none"> • Scenario of urban transport • Importance of urban transport under AMRUT 2.0 • Raising public awareness about sustainable urban transport • Encouraging non – motorised transport 	Mr. Amarnath Karan Scientist, Sustainable Development in Urban Programmes, Centre for Environment Education (CEE), Pune, Maharashtra.
Session 3 12.50 to 13.00 hrs.	Discussion	Question & Answer	Open Forum

Regional Specialized Web-Based Training Programme on

Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS

7th & 8th December 2022

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Implementation status of PMAY (U) in cities	<ul style="list-style-type: none"> Current status of PMAY 	Mr. Amol Budhkondwar Dy. Engineer, PMAY, MHADA, Mumbai, Maharashtra.
Session 2 12.10 to 12.40 hrs.	Role of Elected Representatives in Pradhan Mantri Awas Yojana (PMAY)	<ul style="list-style-type: none"> Preparation and submission of curtailment DPR Gender modification in MIS 	Ms. Payal Singhwi Civil Engineer (Advisory Consultant), Konkan Housing Board, Maharashtra Housing and Area Development Authority (MHADA), Mumbai, Maharashtra.
Session 3 12.40 to 13.10 hrs.	BHUVAN HFA Mobile Application and Geo-tagging in implementation of PMAY	<ul style="list-style-type: none"> Implementation Process of BHUVAN App 	Mr. Radhyeshyam Saini Sr. Project Consultant, GIS Expert, Ministry of Housing and Urban Affairs (MoHUA), GoI.

Session 4 12.50 to 13.00 hrs.	Discussion	Question & Answer	Open Forum
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Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Effective Implementation of PMAY (U) through MIS portal	<ul style="list-style-type: none"> • Issues & Challenges in handling MIS portal of PMAY 	Ms. Pooja Gupta Lead MIS, PMAY (Urban), Ministry of Housing and Urban Affairs (MoHUA), Gol.
Session 2 12.10 to 12.40 hrs.	Good Initiatives under PMAY (U)	<ul style="list-style-type: none"> • Efforts taken to making initiatives by developing synergy with PMAY stakeholders • Good Initiatives – case study of Gujarat & Madhya Pradesh 	Ms. Tithi Soladhara Visiting Professor, CEPT University & Nirma University, Ahmedabad, Gujarat.
Session 3 12.40 to 13.00 hrs.	Discussion	Question & Answer	Open Forum

Regional Specialized Web-Based Training Programme on

WASH (Water-Sanitation-Hygiene) in Urban Areas

20th - 21st December 2022

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	WASH & Public Health	<ul style="list-style-type: none"> • Overview of public health aspects • WASH & sustainable development goal • Environment and climate change • Government advisories to address emerging challenges in WASH • Central/State government initiatives to ensure policies for health 	Dr. Shreeraj Talwadekar Asst. Professor, Microbiology, KEM Hospital, Mumbai, Maharashtra.
Session 2 12.10 to 12.40 hrs.	Improving WASH under Urban Development Missions	<ul style="list-style-type: none"> • Ensure availability and sustainable management of water and sanitation • Safe Management of water supply and sanitation services - challenges in WASH • Technical support to the government in planning, capacity building, implementation of projects related to WASH 	Dr. Ajit Salvi Executive Engineer, Mumbai Sewage Disposal Project (MSDP), Brihanmumbai Municipal Corporation (BMC), Mumbai, Maharashtra.

Session 3 12.40 to 13.10 hrs.	City Level Approach to implement Behaviour Change Communication (BCC) Programme	<ul style="list-style-type: none"> National Behaviour Change Communication Framework under SBM –U (2.0) Mapping out behaviours to identify the key actions Encourage to make healthy and wealthy cities through circular economy. Framework under SBM –U (2.0) 	Ms. Jaylakhmi Chekkala Project Manager, AIIISG, Mumbai, Maharashtra.
Session 4 13.10 to 13.30 hrs.	Discussion	Question & Answer	Open Forum

Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AIIISG, Mumbai
Session 1 11.40 to 12.10 hrs.	Service Delivery in WASH –ULB Approach	<ul style="list-style-type: none"> Efforts to implement community engagement and sensitization of behaviour program for achieving sustainable outcomes. IEC and capacity building activities at ULB level Water & sanitation related menstrual hygiene of Adolescent 	Mr. Anand Jagtap Former Officer on Special Duty, Brihanmumbai Municipal Corporation (BMC), Mumbai, Maharashtra.
Session 2 12.10 to 12.40 hrs.	Good Practices in Urban Wash	<ul style="list-style-type: none"> NMMC’s strategy:- Focus on community sanitation moving towards water+ cities 	Dr. Babasaheb Rajale Dy. Municipal Commissioner, Navi Mumbai Municipal Corporation, Maharashtra.

Session 3 12.40 to 13.10 hrs.	Good Practices in Urban Wash	<ul style="list-style-type: none">WASH & Menstrual Hygiene Management (MHM)	Ms. Aparna Kulkarni Govande State Communication Consultant for Water, Sanitation and Menstrual Hygiene, UNICEF, Mumbai, Maharashtra.
Session 4 13.10 to 13.30 hrs.	Discussion	Question & Answer	Open Forum

Regional Specialized Training Programme on

Role of Elected Representatives in Implementing Missions and Programmes

27th - 28th December 2022 at Jodhpur, Rajasthan

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
09.30 to 10.00 hrs.	Registration		RCUES of AILSG, Mumbai
10.00 to 10.10 hrs.	Introduction		Maleka Ansari Sr. Research Officer, RCUES of AILSG, Mumbai.
10.10 to 10.30 hrs.	Inauguration Special Address		Ms. Vanita Seth Hon'ble Mayor, Jodhpur Municipal Corporation, South Zone, Rajasthan. Ms. Kunti Deora Hon'ble Mayor, Jodhpur Municipal Corporation, North Zone, Rajasthan.

	Keynote Address		Mr. Arunkumar Purohit, IAS Municipal Commissioner, Jodhpur Municipal Corporation, South Zone, Rajasthan.
	Vote of Thanks		Mr. Vinod Paliwal Regional Director, AIIILSG, Jodhpur.
Session 1 10.30 to 11.30 hrs.	Swachh Bharat Mission - Urban 2.0	<ul style="list-style-type: none"> • Sustainable Solid Waste Management in Cities • Faecal Sludge & Septage Management (FSSM) • Role of elected representatives in effective implementation of SBM U 2.0 at city level 	Mr. Anilkumar Jain Former Additional Chief Engineer, Public Health Engineering Department (PHED), Government of Rajasthan.
Session 2 11.30 to 12.30 hrs.	Atal Mission for Rejuvenation and Urban Transformation -2.0 (AMRUT -2.0)	<ul style="list-style-type: none"> • Current scenario of implementation of AMRUT - 2.0 • Issues & challenges in implementing AMRUT - 2.0 at city level • Role of elected representatives in providing effective service delivery to citizen at ULB level 	Mr. Devendra Dhapola WASH Expert, New Delhi.
12.30 to 13.00 hrs.	Tea Break & Group Photo		
Session 3 13.00 to 14.00 hrs.	National Urban Livelihoods Mission (NULM)	<ul style="list-style-type: none"> • Current implementation status of NULM • Challenges in implementing NULM at city level • Role of elected representatives in developing livelihoods opportunities through synergies with ULB officials and other stakeholders. 	Ms. Sandhya Bhandari State Project Manager, DAY-NULM, Local Self-Government Department, Government of Rajasthan.

Session 4 14.00 to 14.30 hrs.	Special Address on Need for convergence in planning and Implementation of Missions and Programmes sponsored by Government	-	Mr. Atul Prakash, IAS Municipal Commissioner, Jodhpur Municipal Corporation, North Zone, Rajasthan.
14.30 hrs. onwards	Lunch		

Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
10.00 to 10.30 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 10.30 to 11.30 hrs.	Pradhan Mantri Awas Yojana (PMAY)	<ul style="list-style-type: none"> • Current status of PMAY mission • Issues & Challenges in handling MIS portal of PMAY • Role of elected representatives in its implementation 	Mr. Rajesh Vyas General Manager, Rajasthan Awas Vikas and Infrastructure Ltd., PMAY, Government of Rajasthan.
11.30 to 11.45 hrs.	Tea Break & Group Photo		
Session 2 11.45 to 12.30 hrs.	Group Work on Feasibility & Planning for Implementation of Missions and Programmes in Convergence Manner	<ul style="list-style-type: none"> • Preparation of Action Plan • Presentation by groups 	RCUES of AILSG, Mumbai
Session 3 12.30 to 13.30 hrs.	Discussion	Question & Answer	Open Forum
Session 4 13.30 to 14.00 hrs.	Summing up		
14.00 hrs. onwards	Lunch		

Regional Specialized Web-Based Training Programme on

Swachh Bharat Mission – Urban 2.0

28th & 29th December 2022

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Swachh Bharat Mission – Urban 2.0	<ul style="list-style-type: none">• Overview of Swachh Bharat Mission - Urban 2.0• ULBs' Approach in making Cities Garbage Free	Mr. Arvind Kumar Singh Head, Water and Sanitation, Urban Management Centre (UMC), Ahmedabad, Gujarat.
Session 2 12.10 to 12.40 hrs.	Sustainable Solid Waste Management in Cities under SBM - Urban 2.0	<ul style="list-style-type: none">• Issues and Challenges in Source Segregation• Principles of 3 R's (Reduce, Reuse and Recycle)• Reduction in Single-Use Plastic (SUP) and Air Pollution	Ms. Gauri Mirashi Co- Founder, Ecosattva, Aurangabad, Maharashtra.
Session 3 12.40 to 13.10 hrs.	Water + cities	-	Mr. Anwaar Ashraf Sr. Technical Consultant, AILSG, Mumbai, Maharashtra.

Session 4 13.10 to 13.30 hrs.	Discussion	Question & Answer	Open Forum
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Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
11.30 to 11.40 hrs.	Introduction		RCUES of AILSG, Mumbai
Session 1 11.40 to 12.10 hrs.	Sustainable Sanitation in Cities under SBM - Urban 2.0	<ul style="list-style-type: none"> • Holistic Approach towards Sanitation Service Chain • Issues and Challenges in implementation of sanitation chain 	Mr. Saurabh kale Sr. Project Manager, Eco San Foundation (ESF), Pune, Maharashtra.
Session 2 12.10 to 12.40 hrs.	Importance of IEC and Stakeholders' Participation in Implementation of SBM – Urban 2.0	<ul style="list-style-type: none"> • Behavior Change Communication (BCC) Framework for Garbage Free Cities • IEC Drives 	Ms. Seema Redkar Consultant Sanitation, Pratha & Hindustan Unilever Ltd., Mumbai, Maharashtra.
Session 3 12.40 to 13.00 hrs.	Discussion	Question & Answer	Open Forum

Regional Specialized Training Programme on

Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS

6th January 2023 at Mumbai, Maharashtra

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
10.00 to 10.30 hrs.	Registration		RCUES of AILSG, Mumbai
10.30 to 11.00 hrs.	Introduction		Ms. Neha Hardikar Sr. Research Officer, RCUES of AILSG, Mumbai.
11.00 to 11.30 hrs.	Inaugural Address		Dr. Jairaj Phatak, IAS (Retd.) Director General, AILSG
Session 1 11.30 to 12.30 hrs.	Compliances in MIS under PMAY	-	Ms. Payal Singhwi Advisory Consultant, PMAY (U), MHADA, Mumbai, Maharashtra.
Session 2 12.30 to 13.30 hrs.	Group Exercise	-	RCUES of AILSG, Mumbai

13.30 to 14.30 hrs.	Lunch		
Session 3 14.30 to 16.30 hrs.	BHUVAN HFA Mobile Application and Geo-tagging in implementation of PMAY (U)	<ul style="list-style-type: none">• Implementation Process of BHUVAN App	Dr. Piyush Mahore Managing Consultant, PMAY, MHADA, Mumbai, Maharashtra.
Session 4 16.30 to 17.00 hrs.	Discussion	Question & Answer	Open Forum
17.00 to 17.30 hrs.	Closing		

Regional Specialized Training Programme on

Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS

7th January 2023 at Mumbai, Maharashtra

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
10.00 to 10.30 hrs.	Registration		RCUES of AILSG, Mumbai
10.30 to 11.00 hrs.	Introduction		Ms. Maleka Ansari Sr. Research Officer, RCUES of AILSG, Mumbai.
11.00 to 11.30 hrs.	Inaugural Address		Dr. Jairaj Phatak, IAS (Retd.) Director General, AILSG
Session 1 11.30 to 13.30 hrs.	Compliances in MIS under PMAY (U)	-	Ms. Payal Singhwi Advisory Consultant, PMAY (U), MHADA, Mumbai, Maharashtra.
13.30 to 14.30 hrs.	Lunch		

Session 3 14.30 to 16.30 hrs.	BHUVAN HFA Mobile Application and Geo-tagging in implementation of PMAY (U)	<ul style="list-style-type: none">• Implementation Process of BHUVAN App	Dr. Piyush Mahore Managing Consultant, PMAY, MHADA, Mumbai, Maharashtra.
Session 4 16.30 to 17.00 hrs.	Discussion	Question & Answer	Open Forum
17.00 to 17.30 hrs.	Closing		

Regional Specialized Training Programme on

City Level Approach in Implementing Missions & Programmes

18th January 2023 at Guwahati, Assam

Programme Outline

Day 1

Session and Time	Topic	Faculty / Subject Expert
09.30 to 10.30 hrs.	Registration	RCUES of AILSG, Mumbai
10.30 to 11.15 hrs.	Introduction	Ms. Neha Hardikar Sr. Research Officer, RCUES, AILSG, Mumbai.
	Inauguration	Dr. Jairaj Phatak, IAS (Retd.) Director General, AILSG

Session 1 11.15 to 12.00 hrs.	Progress & Challenges in Implementing DAY - NULM in Assam State	Ms. Panchami Choudhury, ACS State Mission Director, DAY-NULM. Deputy Secretary, Department of Housing & Urban Affairs, Government of Assam.
Session 2 12.00 to 12.45 hrs.	City Level Approach in Implementing SMART City Mission in Guwahati	Mr. Priyangshu Das State Public Information Officer & City Data Officer, SMART City Mission, Government of Assam.
Session 3 12.45 to 13.15 hrs.	Good initiatives adopted through implementing Missions & Programmes	Mr. Pravakar Chakraborty State Project Officer, IEC Specialist, PMAY-HFA, Government of Assam.
Session 4 14.15 to 15.00 hrs.	Current Status of Implementation AMRUT 2.0 in Assam state	Ms. Natasha Kakaty Consultant –Civil, AMRUT, Guwahati, Government of Assam.
15.45 to 16.00 hrs.	Discussion and Question & Answer	Open Forum

Regional Specialized Training Programme on

City Level Approach in Implementing Programme on National Missions

30th – 31st January 2023 at Ahmedabad, Gujarat

Programme Outline

Day 1

Session and Time	Topic	Faculty / Subject Expert
09.30 to 10.30 hrs.	Registration	RCUES of AILSG, Mumbai
10.30 to 11.30 hrs.	Introduction	Ms. Neha Hardikar Sr. Research Officer, RCUES, AILSG, Mumbai.
	Inauguration	Ms. Hansa Patel Executive Advisor, AILSG Shri. M. Thennarasan, IAS Municipal Commissioner, Ahmedabad Municipal Corporation, Gujarat.

		Mr. Hitesh Makwana Dy. Mayor, Gandhinagar Municipal Corporation, Gujarat.
Session 1 11.30 to 12.15 hrs.	Current Status of Implementation of AMRUT 2.0 in Gujarat state	Mr. Devang Shah Director, Himadri Enviro –Protection Consultants Pvt. Ltd., Ahmedabad, Gujarat.
Session 2 12.15 to 13.00 hrs.	City Level Approach in Implementing SMART City Mission in Ahmedabad	Ms. Nidhi Shah Consultant, Price Waterhouse Coopers (PwC) Pvt. Ltd., India, Ahmedabad, Gujarat.
13.00 to 14.00 hrs.	Lunch	
Session 3 14.00 to 17.30 hrs.	Site Visit - Pirana Dump site, Ahmedabad.	RCUES of AILSG, Mumbai

Day 2

Session and Time	Topic	Faculty / Subject Expert
Session 1 11.00 to 11.30 hrs.	Issues and Challenges in Implementing Solid Waste Management in Gujarat	Mr. Harshadray Solanki Director, Solid Waste Management, Ahmedabad Municipal Corporation, Ahmedabad, Gujarat.

Session 2 11.30 to 12.15 hrs.	Current status of Implementation of SBM – Urban 2.0 in Gujarat State	Mr. Siddh Doshi Program Executive & PhD Scholar, Faculty of Planning, CEPT University, Ahmedabad, Gujarat.
12.15 to 13.00 hrs.	Closing	
13.00 hrs. onwards	Lunch	

Regional Specialized Training Programme on

Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM)

7th - 8th February 2023 at Surat, Gujarat

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
09.30 to 10.00 hrs.	Registration		RCUES of AILSG, Mumbai
10.00 to 10.15 hrs.	Introduction		Ms. Maleka Ansari Sr. Research Officer, RCUES, AILSG, Mumbai.
10.15 to 10.45 hrs.	Inauguration		Ms. Hemaliben Boghawala Hon'ble Mayor, Surat Municipal Corporation (SMC), Gujarat.

10.15 to 10.45 hrs.	Keynote Address Vote of Thanks		Dr. Jairaj Phatak, IAS (Retd.) Director General, AIIILSG Mr. Parvez Malik Regional Director, AIIILSG, Surat, Gujarat.
10.45 to 11.00 hrs.	Tea Break & Group Photo		
Session 1 11.00 to 11.30 hrs.	Special Address on	<ul style="list-style-type: none"> • City-Level Approach for Missions 	Dr. Jairaj Phatak, IAS (Retd.) Director General, AIIILSG
Session 2 11.30 to 12.30 hrs.	Convergence of NULM & Prime Minister Formalization of Micro-Food Processing Enterprises (PM FME)	<ul style="list-style-type: none"> • Need for convergence of NULM & PM FME • Guidelines of PMFME and its objective • One District One Product (ODOP) approach • PMFME Components and its implementation 	Mr. Mayank Mishra National Mission Manager, DAY -NULM, Ministry of Housing & Urban Affairs (MoHUA), Government of India (GoI), New Delhi.
Session 3 12.30 to 13.30 hrs.	Good Initiatives under NULM	<ul style="list-style-type: none"> • Need for convergence of NULM & PM FME • Guidelines of PMFME and its objective • One District One Product (ODOP) approach • PMFME Components and its implementation 	Dr. Gayatri Jariwala Dy. Municipal Commissioner, Surat Municipal Corporation, Gujarat.
13.30 to 14.30 hrs.	Lunch		
Session 4 14.30 to 17.30 hrs.	Field Visit	<ul style="list-style-type: none"> • 'Althan Shelter for Urban Homeless' Near Soham Circle, opp. Biodiversity Park/BRTS Bus Depot, Althan, Bhatar Road, Surat 	NULM Team, Surat Municipal Corporation, Gujarat.

Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
Session 1 10.30 to 11.30 hrs.	ULBs Presentation on NULM Implementation	<ul style="list-style-type: none"> • Outcomes of projects implemented • Issues & challenges and smart solutions • Role of project functionaries 	Rajkot Municipal Corporation, Gujarat & Valsad Municipal Council, Gujarat.
11.30 to 11.45 hrs.	Tea Break & Group Photo		
Session 2 11.30 to 12.30 hrs.	Group Work on - Implementation of Missions and Programmes in Convergence Manner	<ul style="list-style-type: none"> • Preparation of action plan • Presentation by groups 	RCUES of AILSG, Mumbai
12.30 to 13.00 hrs.	Discussion and Closing		
13.00 hrs. onwards	Lunch		

Regional Specialized Training Programme on

Role of Elected Representatives and Project Functionaries in Implementing Programmes on National Missions

20th - 21st February 2023 at Rajkot, Gujarat

Programme Outline

Day 1

Session and Time	Topic	Content	Faculty / Subject Expert
09.30 to 10.00 hrs.	Registration		RCUES of AIILSG, Mumbai
10.00 to 10.10 hrs.	Introduction		Ms. Maleka Ansari Sr. Research Officer, RCUES, AIILSG, Mumbai
10.10 to 10.30 hrs.	Inauguration		Dr. Darshitaben Shah, Hon'ble Mayor, Rajkot Municipal Corporation, Gujarat.

10.10 to 10.30 hrs.	Keynote Address Vote of Thanks		Dr. Jairaj Phatak, IAS (Retd.) Director General, AIIILSG Mr. Chandan Karkare Regional Director, AIIILSG, Rajkot, Gujarat.
Session 1 10.30 to 11.00 hrs.	Special Address on	<ul style="list-style-type: none"> • Need for convergence in planning and implementation of missions and programmes sponsored by Government of India 	Dr. Jairaj Phatak, IAS (Retd.) Director General, AIIILSG
Session 2 11.00 to 11.45 hrs.	Atal Mission for Rejuvenation and Urban Transformation (AMRUT) 2.0	<ul style="list-style-type: none"> • Current scenario of implementation of AMRUT 2.0 • Issues & challenges in implementing AMRUT 2.0 at city level • Role of Executives and Deliberative Wings in effective implementation of AMRUT 2.0 at city level 	Ms. Tithi Soladhara Expert, AMRUT & Visiting Faculty, CEPT University, Ahmedabad, Gujarat.
Session 3 11.45 to 12.30 hrs.	Swachh Bharat Mission - Urban 2.0	<ul style="list-style-type: none"> • Garbage Free Cities • Faecal Sludge & Septage Management (FSSM) • Role of Executives and Deliberative Wings in effective implementation of SBM U 2.0 at city level 	Ms. Falguni Joshi Consultant, Paryavaranmitra, Ahmedabad, Gujarat.

Session 4 12.30 to 13.15 hrs.	Swachh Bharat Mission - Urban 2.0	<ul style="list-style-type: none"> Sustainable Solid Waste Management in Cities Achievement of the Sustainable Development Goals (SDG) 2030 Role of Executives and Deliberative Wings in effective implementation of SBM U 2.0 at city level 	Mr. Mahesh Pandya Director, Paryavaranmitra, Ahmedabad, Gujarat.
Session 5 13.15 to 14.00 hrs.	National Urban Livelihoods Mission (NULM)	<ul style="list-style-type: none"> Need for convergence of NULM & PMFME Guidelines of PMFME and its objective One District One Product (ODOP) approach PMFME Components and its implementation Challenges in implementing NULM at city level Role of elected representatives in developing livelihoods opportunities through synergies with ULB officials and other stakeholders 	Mr. Hardik Desai Project Manager, NULM, Navsari Municipal Council, Gujarat.
14.00 to 15.00 hrs.	Lunch		
Session 6 15.00 to 18.00 hrs.	Field Visit - Shelter or Urban Poor's & Homeless	<ul style="list-style-type: none"> School No. 10 Dormitory, Hospital Chowk, Rajkot 	Ms. Kashmira Vadher Project Officer, NULM, Rajkot Municipal Corporation, Gujarat.

Day 2

Session and Time	Topic	Content	Faculty / Subject Expert
10.00 to 10.30 hrs.	Tea & Group Photo		
Session 1 10.30 to 11.15 hrs.	ULBs Presentation	<ul style="list-style-type: none"> • Current status of PMAY mission • Issues & Challenges in handling MIS portal of PMAY • Role of elected representatives in its implementation 	Mr. K. S. Gohel City Engineer, Housing & AMRUT, Rajkot Municipal Corporation, Gujarat.
Session 2 11.15 to 12.00 hrs.	ULBs Presentation	<ul style="list-style-type: none"> • Current status of SBM mission • Issues & Challenges in waste management • Role of elected representatives in its implementation 	Mr. Dipal Kathad Consultant, SBM 2.0 Rajkot Municipal Corporation, Gujarat
Session 3 11.30 to 12.30 hrs.	Group Work on - Implementation of National Missions at City Level	<ul style="list-style-type: none"> • SBM – U 2.0 • AMRUT – 2.0 • PMAY • NULM 	RCUES of AILSG, Mumbai
12.30 to 13.00 hrs.	Discussion and Closing		
13.00 hrs. onwards	Lunch		

Regional Specialized Training Programme on

Role of Elected Representatives and Executives in Implementing Programme on National Missions

21st – 22nd February 2023 at Vadodara, Gujarat

Programme Outline

Day 1

Session and Time	Topic	Faculty / Subject Expert
10.30 to 11.00 hrs.	Registration	RCUES of AIILSG, Mumbai
11.00 to 12.00 hrs.	Introduction	Ms. Neha Hardikar Sr. Research Officer, RCUES, AIILSG, Mumbai.
10.10 to 10.30 hrs.	Inauguration	Hon'ble Mayor Vadodara Municipal Corporation, Gujarat.
Session 2 11.00 to 11.45 hrs.	Atal Mission for Rejuvenation and Urban Transformation (AMRUT) 2.0	Mr. Vijay Anadkat Senior Fellow, World Resources Institute (WRI) & Advisor – Urban Development Department for AMRUT & Smart City Missions, Gandhinagar, Gujarat.

14.00 to 15.00 hrs.	Lunch
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Day 2

Session and Time	Topic	Faculty / Subject Expert
Session 1 10.30 to 11.30 hrs.	Current status of Implementation of SBM – Urban 2.0 in Gujarat State	Dr. Anil Roy Sr. Associate professor, Faculty of Planning, CEPT University, Ahmedabad, Gujarat.
Session 2 12.00 to 13.00 hrs.	Issues and Challenges in Implementing Solid Waste Management in Gujarat	Ms. Monica Patel Environmental Engineer, Solid Waste Management, Ahmedabad Municipal Corporation, Gujarat.
Session 3 13.00 to 14.00 hrs.	Smart City Project – Dholera	Mr. Dilip Brahmbhatt, General Manager, Dholera Industrial City Development Limited Gandhinagar, Gujarat.
Session 4 14.00 to 14.30 hrs.	Certificate Distribution & Closing	
14.30 hrs. onwards	Lunch	

Regional Specialized Training Programme on

Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM)

15th March, 2023 at Jaipur, Rajasthan

Programme Outline

Session and Time	Topic	Content	Faculty / Subject Expert
10.00 to 10.30 hrs.	Registration		RCUES of AILSG, Mumbai
10.30 to 10.40 hrs.	Introduction		Ms. Neha Hardikar Sr. Research Officer, RCUES, AILSG, Mumbai
10.40 to 11.00 hrs.	Inauguration Keynote Address		Mr. Bhanwar Lal Bairwa Project Director Department of Local Self Government (DLB), Government of Rajasthan Dr. Jairaj Phatak, IAS (Retd.) Director General, All India Institute of Local Self Government (AILSG)

Session 1 11.00 to 11.30 hrs.	Overview of Central Government supported Missions & Programmes	-	Dr. Jairaj Phatak, IAS (Retd.) Director General, All India Institute of Local Self Government (AIILSG)
Session 2 11.30 to 12.30 hrs.	Current Status of NULM in Rajasthan	<ul style="list-style-type: none"> • Implementation of component under NULM • Issues and challenges in implementing NULM • Efforts taken by cities/ ULBs for achieving sustainable livelihood • Government Initiatives under NULM 	Mr. Ahmed Tehreen State Mission Manager (SMM), NULM (Skill & Livelihood), Government of Rajasthan
Session 3 12.30 to 13.30 hrs.	Convergence of NULM & SBM	<ul style="list-style-type: none"> • Need of convergence of NULM & SBM • Strategies adopted for effective NULM & SBM convergence • Good initiatives in developing livelihood opportunities through Plastic Waste Management 	Dr. Sneha Palnitkar Chief Executive Officer, Waste Management Resource Centre (WMRC), AIILSG, Mumbai, Maharashtra
13.30 to 14.30 hrs.	Lunch		
Session 4 14.30 to 15.30 hrs.	Overview of NULM and Indira Gandhi Shahari Credit Card Yojana	<ul style="list-style-type: none"> • Status of PM SWANIDHI 	Mr. Nitin Pareek State Mission Manager, Self-Employment Programme (SEP), Financial Inclusion and Micro Enterprises (FI & ME), NULM, Government of Rajasthan

Session 5 15.30 to 16.30 hrs.	Status of NULM in Rajasthan State	<ul style="list-style-type: none">• Status of Shelter for Urban Poor and Homeless under NULM• Support for Urban Street Vendors under NULM	Mr. Ashwani Kumar State Mission Manager, NULM, Government of Rajasthan
Session 6 16.30 to 17.00 hrs.	Discussion and Closing		

Regional Specialized Training Programme on

Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM)

16th March, 2023 at Jaipur, Rajasthan

Programme Outline

Session and Time	Topic	Content	Faculty / Subject Expert
10.00 to 10.30 hrs.	Registration		RCUES of AILSG, Mumbai
10.30 to 10.40 hrs.	Introduction		Ms. Maleka Ansari Sr. Research Officer, RCUES, AILSG, Mumbai
10.40 to 11.00 hrs.	Inauguration Keynote Address		Mr. Bhanwarlal Bhairwa, Project Director, DAY-NULM, Government of Rajasthan (GoR) Dr. Jairaj Phatak, IAS (Retd.) Director General, All India Institute of Local Self Government (AILSG)
Session 1 11.00 to 11.30 hrs.	Overview of Central Government supported Missions & Programmes	-	Dr. Jairaj Phatak, IAS (Retd.) Director General, All India Institute of Local Self Government (AILSG)

Session 2 11.30 to 12.10 hrs.	Convergence of NULM & SBM	<ul style="list-style-type: none"> • Need of convergence of NULM & SBM • Strategies adopted for effective NULM & SBM convergence • Good initiatives in developing livelihood opportunities through Plastic Waste Management 	Dr. Sneha Palnitkar Chief Executive Officer, Waste Management Resource Centre (WMRC), AIIILSG, Mumbai, Maharashtra
Session 3 12.10 to 12.50 hrs.	Convergence of NULM & Prime Minister Formalization of Micro-Food Processing Enterprises (PM FME)	<ul style="list-style-type: none"> • City Level - Good Initiatives under NULM 	Mr. Manmohan Sharma State Project Manager, Social Mobilisation & Institution Development (SM & ID), NULM Government of Rajasthan
Session 4 12.50 to 13.30 hrs.	Issues and challenges in implementing NULM - Entrepreneurship Development Programme (EDP) -Orientation & Awareness	<ul style="list-style-type: none"> • Financial Inclusion -SHG and Individual - Process Flow • Achievements under implementation of NULM 	Ms. Sandhya Bhandari State Mission Manager, NULM, Government of Rajasthan
Session 5 13.30 to 14.30 hrs.	Role of Self Help Groups (SHGs) in Sanitation	-	Mr. Ravi Kiran Bokam Naydu State Coordinator, Centre for Advocacy and Research (CFAR), Jaipur
Session 6 14.30 to 15.00 hrs.	Summing up & closing		
15.00 hrs. onwards	Lunch & Departure		

Regional Seminar on

City Wide Inclusive Sanitation (CWIS)

28th September 2022 at Mumbai, Maharashtra

Programme Outline

Session and Time	Topic	Faculty / Subject Expert
11.00 to 12.00 hrs.	Registration	RCUES of AILSG, Mumbai
12.00 to 12.10 hrs.	Welcome Address	Utkarsha Kavadi Director, RCUES, AILSG, Mumbai
12.10 to 12.30 hrs.	Inauguration	Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG, Mumbai
	Keynote Address	Mr. Vikram Kumar, IAS Municipal Commissioner, Pune Municipal Corporation, Maharashtra. Mr. Radhakrishnan B, IAS Municipal Commissioner, Nagpur Municipal Corporation, Maharashtra. Mr. Sunil Pawar Municipal Commissioner, Sangli Miraj Kupwad City Municipal Corporation, Maharashtra.

		Mr. Yusuf Kabir Lead State Water Sanitation Hygiene & Climate Action & Emergency Response- Risk Reduction, UNICEF India
Session 1 12.30 to 12.45 hrs.	Maha Urban WASH-ES Coalition & Its Initiatives	Utkarsha Kavadi Director, RCUES, AILSG, Mumbai
Session 2 12.45 to 13.00 hrs.	Co treatment of Septage at Sewage Treatment Plant -Sangali Miraj Kupwad City Municipal Corporation	Mr. Saurabh Kale Sr. project Manager, Ecosan Services Foundation (ESF), Pune, Maharashtra
Session 3 13.00 to 13.15 hrs.	Use of Biomediation Technology for effective implementation of City-Wide Inclusive Sanitation	Dr. Ajit Salvi Dy. Chief Engineer (SO), Brihanmumbai Municipal Corporation (BMC), Mumbai, Maharashtra.
Session 4 13.15 to 13.30 hrs.	City Wide Inclusive Sanitation – Approach of small towns	Ms. Arwa Bharmal Programme Lead, Centre for Water & Sanitation (CWAS), CRDF, CEPT University, Ahmedabad, Gujarat.
Session 5 13.30 to 13.45 hrs.	Inclusive and Sustainable Solid Waste Management Systems	Mr. Vijay Sapkal Asst. Project Coordinator, CARPE, Ecosattav, Aurangabad, Maharashtra.

Session 6 13.45 to 14.00 hrs.	Community Engagement in Improving Sanitation - Mumbai	Mr. Anand Jagtap Former Officer on Special Duty, Slum Sanitation Programme, Brihanmumbai Municipal Corporation, (BMC), Mumbai, Maharashtra.
14.00 to 14.15 hrs.	Discussion & Closing	
14.15 hrs. onwards	Lunch & Departure	

Regional Seminar on

Strengthening Community & Public Sanitation - Swachh Bharat Mission - Urban 2.0

19th November 2022 at Navi Mumbai, Maharashtra

Programme Outline

Session and Time	Topic	Faculty / Subject Expert
11.00 to 11.05 hrs.	Welcome Address	Utkarsha Kavadi Director, RCUES, AILSG, Mumbai.
11.05 to 11.10 hrs.	Inauguration	Honorable Dignitaries
11.10 to 11.15 hrs.	Partner's Address	Dr. Dayanand Panse Director, Ecosan Services Foundation, Pune, Maharashtra.
11.15 to 11.20 hrs.	Partner's Address	Mr. Anand Ghodke WASH Officer, UNICEF, Maharashtra.
11.20 to 11.30 hrs.	Keynote Address	Directorae of Municipal Administration (DMA), Maharashtra.
11.30 to 11.40 hrs.	Special Address	Dr. Jairaj Phatak, IAS (Retd.), Director General, AILSG, Mumbai, Maharashtra.

11.40 to 11.50 hrs.	Inaugural Address	Mr. Rajesh Narvekar, IAS Municipal Commissioner, Navi Mumbai Municipal Corporation, Maharashtra.
Sessions on Strengthening Community & Public Sanitation in Maharashtra		
Session 1 11.50 to 12.05 hrs.	Maha Urban WASH-ES Coalition – Support to SBM (U) 2.0	Utkarsha Kavadi Director, RCUES, AILSG, Mumbai.
Session 2 12.05 to 12.20 hrs.	NMMC’s Strategy- Focus on Community Sanitation moving towards Water+ City	Dr. Babasaheb Rajale Dy. Municipal Commissioner, SWM, Navi Mumbai Municipal Corporation, Maharashtra.
Session 3 12.20 to 12.35 hrs.	Business Perspective- Public Toilets	Ms. Rupali Kelshikar Co-Founder, Woloo, Maharashtra.
Session 4 12.35 to 12.50 hrs.	Gandhvedh – Innovation for monitoring of O & M of CT/ PTs	Mr. Chandrashekhar Sakpal CEO & Co-Founder, Viliso Technologies Pvt, Ltd. Maharashtra.
Session 5 12.50 to 13.05 hrs.	An ITeS based solution for O & M of Community & Public Toilets in M-East Ward, Mumbai	Dr. Shanta Sondour Professor, Vivekanand Education Society, Maharashtra.
Session 6 13.05 to 13.20 hrs.	Challenges in O & M of Community Toilets & Scope for Interventions	Mr. Anand Jagtap Former Officer on Special Duty, Brihanmumbai Municipal Corporation (BMC), Maharashtra.

Session 7 13.20 to 13.45 hrs.	Moderated Session for Participant's Contribution – Open Forum	Ms. Jayalakshmi Chekkala Project Manager, Maha UWES-C, AIILSG, Mumbai, Maharashtra.
13.45 to 14.30 hrs.	Lunch	
Sessions on WASH in Schools		
Session 8 14.30 to 14.50 hrs.	Support to Community & School Sanitation through CSR projects	Mr. Aditya Bhedasgaonkar Sr. Project Manager, CSR, Ecosan Services Foundation, Pune, Maharashtra.
Session 9 14.50 to 15.30 hrs.	Panel Discssion – WASH in Schools	Mr. Sandeep Tendolkar, WASH Faculty, UNICEF, Maharashtra. Mr. Nidish Singh, DGM, HR-CSR & EE, L&T Realty, Mumbai, Maharashtra. Mr. Pravin Jadhav, Head Operations, CYDA, Maharashtra. Mr. Vilas Jade, Education Officer, Kulgaon Badlapur Municipal Council, Maharashtra. Mr. Dongre, Trustee, Shivner Vidya Mandir, Maharashtra.
Session 10 15.30 to 15.55 hrs.	Felicitation of Winning Schools	Honorable Guests
15.55 to 16.00 hrs.	Vote of Thanks	RCUES of AIILSG, Mumbai
16.00 hrs. onwards	High Tea	

Regional Specialized Web-Based Training Programme on

Menstrual Hygiene Management

under Health & Safety of Sanitation Workers

30th - 31st May 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Ms. Poonam Parmar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
2	Ms. Shravani Sakpal	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
3	Ms. Bharti Makwana	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
4	Mr. Shanidev Shriwardhankar	Mukadam	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
5	Ms. Bharati Kataria	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
6	Ms. Champa Wagh	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
7	Ms. Rama Gade	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
8	Ms. Namrata Chalke	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
9	Ms. Ashwini Borude	Representative of NGO	Shree Aastha Mahila Bachat Gat, Mumbai, Maharashtra
10	Mr. Sudhakar Kamble	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
11	Ms. Sujata Kamble	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
12	Ms. Ranjana Chauhan	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
13	Ms. Harsha Vegda	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
14	Ms. Shubhangi Satpute	Mukadam	Brihanmumbai Mahanagarapalika (BMC), Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Ms. Janhavi Pawar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
16	Mr. Anil Pawar	Mukadam	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
17	Ms. Kavita Solanki	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
18	Ms. Surekha Sakhare	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
19	Mr. Chetan Pagare	Representative of NGO	University of Mumbai, Maharashtra
20	Ms. Megha Karande	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
21	Ms. Bharati Gaonkar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
22	Mr. Sudatta More	Mukadam	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
23	Ms. Sameena Momin	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
24	Mr. Shantaram Bhosle	Mukadam	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
25	Mr. Subhash Dahibaokar	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
26	Ms. Pradnya Sakpal	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
27	Ms. Vidya Perumal	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
28	Ms. Surekha Pendharkar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
29	Mr. Pratham Makwana	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
30	Ms. Jayshree Solanki	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
31	Ms. Divya Maru	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
32	Ms. Shanta Gohil	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
33	Mr. Pankaj Gonge	Asst. Engineer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
34	Ms. Bharati Bamnolkar	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
35	Mr. Rohit Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
36	Ms. Vaishali Makwana	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
37	Ms. Snehal Gowari	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
38	Mr. Pratap Dan Charan	Community Organizer	Sadri Municipal Council, Rajasthan
39	Mr. Shridhar Sutar	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
40	Mr. Raju Kasabe	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
41	Ms. Champa Anjara	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
42	Mr. Pravina Virola	Mukadam	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
43	Ms. Geeta Jadjav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
44	Ms. Yogita Pawar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
45	Mr. Alamelu harijan	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
46	Ms. Jyoti Pawar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
47	Mr. Shekhar Khedekar	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
48	Ms. Padmavati Bokil	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
49	Ms. Bharati Shirke	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
50	Mr. Rushi Sable	Representative of NGO	University of Mumbai, Maharashtra
51	Ms. Pramila Bhadarka	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
52	Ms. Rutuja Dhamankar	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
53	Ms. Pushpa Maru	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
54	Mr. Rakesh Mohite	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
55	Ms. Savita Tambe	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
56	Ms. Neela Solanki	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
57	Mr. Vijay Wadwal	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
58	Ms. Shanta Ravtka	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
59	Ms. Sunita Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
60	Ms. Manisha Bhoi	Addl. Executive Engineer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
61	Mr. Santok Sumra	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
62	Mr. Raju Rane	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
63	Ms. Laxmi Bariya	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
64	Ms. Minakshi Bhore	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
65	Mr. Swapnil Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
66	Mr. Raisul Alom Husain	City Project Officer	Sapatgram Municipal Board, Assam
67	Mr. Mandar Gosavi	City Project Officer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
68	Mr. Umesh Deshmukh	Sanitary Inspector	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
69	Mr. Suresh Mhashilkar	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
70	Ms. Rukmani Lohara	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
71	Ms. Archana Kasare	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
72	Ms. Aruna Chawda	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
73	Ms. Kavita Kasare	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
74	Ms. Sangita Kamble	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
75	Ms. Suvarna Shinde	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
76	Ms. Nanda Khandagale	Mukadam	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
77	Ms. Usha Gavali	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
78	Ms. Surekha Patil	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
79	Ms. Bharti Patil	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
80	Ms. Siddhi Tibe	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
81	Ms. Manisha Patnoskar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
82	Ms. Sushela Jeenger	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
83	Ms. Sangeeta Chandaliya	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
84	Ms. Preeti Solanki	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
85	Mr. Mahendra Maru	Mukadam	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
86	Mr. Sunil Kumbhar	Mukadam	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
87	Ms. Riddhi Pagare	Representative of NGO	National Association for the Blind, Maharashtra
88	Mr. Umesh Vegda	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
89	Ms. Usha Wagh	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
90	Mr. Rajendra Toraskar	Mukadam	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
91	Ms. Aditi Mishal	Representative of NGO	Govardhan Ecovillage, Palghar, Maharashtra
92	Mr. Mavji Bathwar	Mukadam	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
93	Mr. Narendra Panchal	Supervisor	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
94	Ms. Kalpana Chouhan	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
95	Mr. Rajesh Boricha	Mukadam	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
96	Mr. Sanjay Salunkhe	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
97	Ms. Neeta Wagh	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
98	Mr. Bhagwan Kamble	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
99	Ms. Chaya Bhise	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
100	Ms. Indrani Kaunder	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
101	Mr. Kamlesh Dulgaj	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
102	Ms. Gita Rathod	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
103	Ms. Vandana Chendvankar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
104	Ms. Sangeeta Maru	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
105	Mr. Pranay Patil	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
106	Ms. Sandhya Jadhav	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
107	Mr. Arjun Charaniya	Sanitary Inspector	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
108	Mr. Sunil Kamble	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
109	Ms. Mamata Tambe	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
110	Mr. Balu Nikalje	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
111	Ms. Pramila Parmar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
112	Ms. Anuja More	Jr. Overseer	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
113	Mr. Kamubai Solanki	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
114	Ms. Jyoti Padaya	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
115	Ms. Manju Bagadi	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
116	Ms. Satya Murugan	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
117	Ms. Hemal Heliya	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
118	Ms. Lalita Tambe	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
119	Ms. Diwali Zala	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
120	Ms. Bharati Kamble	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
121	Ms. Hansa Waghela	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
122	Ms. Dipika Mistry	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
123	Ms. Usha Waghela	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
124	Ms. Lata Chandaliya	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
125	Ms. Kiran Sarasar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
126	Ms. Manju Rathod	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
127	Ms. Varsha Devalekar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
128	Ms. Kamashala Kavandar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
129	Ms. Babali Tak	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
130	Ms. Anabu Kumar Kavandar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
131	Ms. Muniamma Krushnan	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
132	Ms. Pramibha Saradar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
133	Ms. Seema Kasare	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
134	Ms. Prachi Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
135	Ms. Prachi Khale	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
136	Ms. Shalu Kagada	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
137	Ms. Geeta Halade	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
138	Mr. Kamalesh Dulagaj	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
139	Ms. Ronika Shetty	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
140	Ms. Sharada Rathod	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
141	Ms. Lila Mane	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
142	Ms. Dhanalakshmi Tanapal	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
143	Ms. Bhimabai Dhotre	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
144	Ms. Bhimai Sahajarao	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
145	Ms. Ritika Waghmare	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
146	Mr. Viru Parmar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
147	Ms. Jamana Solanki	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
148	Ms. Suman Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
149	Ms. Mugdha Kadam	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
150	Ms. Anthony Amma	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
151	Ms. Suvarna Sakpal	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
152	Ms. Jyoti Padaya	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
153	Ms. Sonu Jekate	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
154	Ms. Ashwini Mahadik	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
155	Ms. Raji Vegada	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
156	Ms. Bharati Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
157	Ms. Seema Pawar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
158	Ms. Sesilimery Kariyan	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
159	Ms. Kamala Kannaswami	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
160	Ms. Yankamma Dhungarnaik	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
161	Ms. Tejaswini Golapkar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
162	Ms. Pushpa Solanki	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
163	Ms. Ankita Tambe	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
164	Ms. Vanita Murudkar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
165	Ms. Savita Baji	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
166	Ms. Usha K. Gaikwad	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
167	Ms. Trupti Gohil	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
168	Ms. Ratan Boricha	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
169	Ms. Nurjahan Shaikh	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
170	Mr. Arjun Kundaswami	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
171	Ms. Lata Kashikadkar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
172	Ms. Sulochana Ghadage	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
173	Ms. Sujita Halage	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
174	Ms. Lakshmi Balkrishna	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
175	Ms. Abhisavali Natrajan	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
176	Ms. Shobha Salave	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
177	Ms. Kalpana Parmar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
178	Ms. Vinali Dongarkar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
179	Ms. Sanjivani Gangavane	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
180	Ms. Ganga Gaundar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
181	Ms. Priti Rathod	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
182	Ms. Anuja Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
183	Ms. Diwaliben Gohil	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
184	Ms. Daksha Trivedi	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
185	Ms. Usha Gaikwad	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
186	Ms. Sunita Yelsangi	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
187	Ms. Rupali Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
188	Ms. Jaya Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
189	Ms. Beena Pomedkar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
190	Ms. Snehal Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
191	Ms. Akanksha Kamble	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
192	Ms. Vadlakshmi Ramlingam	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
193	Ms. Anita Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
194	Ms. Vishakha Shirke	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
195	Ms. Pradnya Bhosale	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
196	Ms. Manisha Gohil	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
197	Ms. Merry Mahalingam	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
198	Ms. Vidya Kamble	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
199	Ms. Lakshmi Rajaram	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
200	Ms. Purvi Gohil	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
201	Ms. Sumitra Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
202	Ms. Swapnali Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
203	Ms. Shobha Palani	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
204	Ms. Vishranti Girkar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
205	Ms. Archana Kamble	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
206	Ms. Vimala Maru	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
207	Ms. Usha Gaikwad	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
208	Ms. Surekha Vairat	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
209	Ms. Dipali Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
210	Ms. Manasi Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
211	Ms. Manisha Methri	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
212	Ms. Mamata Lakhani	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
213	Ms. Vanita Solanki	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
214	Ms. Manjula Solanki	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
215	Ms. Ranjana Koli	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
216	Ms. Reshma Kamble	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
217	Ms. Champa Makwana	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
218	Ms. Priya Gandakush	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
219	Ms. Jyoti Kamble	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
220	Ms. Manasi Jadhav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
221	Ms. Sunita Yadav	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
222	Ms. Vanita Pawar	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra
223	Ms. Kalpana Dhariya	Sanitary Worker	Brihanmumbai Mahanagarapalika (BMC), Maharashtra

Regional Specialized Web-Based Training Programme on

Swachh Bharat Mission - Urban 2.0

7th - 8th June 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Ranjit Roy	Road Mohorrir	Gossaigaon Municipal Board, Assam
2	Mr. Gopal Das	City Project Officer	Titabar Municipal board, Assam
3	Mr. Azibar Rahman	City Project Officer	Gauripur Municipal board, Assam
4	Mr. Rajiv Chanda	City Project Officer	Silchar Municipal Board, Assam
5	Mr. Apexkumar Saraiya	City Project Officer	Gandhinagar Municipal Corporation, Gujarat
6	Ms. Nur Sheikh	City Project Officer	Chapar Municipal board, Assam
7	Mr. Jintu Kumar Sarma	City Project Officer	Bokakhat Municipal Board, Assam
8	Mr. Debajit Das	City Project Officer	Goreswar Municipal Board, Assam
9	Mr. Narendra Thakur	City project Officer	Hamren Municipal board, Assam
10	Mr. Nitumani Patowary	City Project Officer	Goalpara Municipal Board, assam
11	Mr. Alauddin Ahamed	City Project Officer	Barpeta Municipal board, Assam
12	Ms. Nayanjyoti Kalita	City Project Officer	Patacharkuchi Municipal Board, Assam
13	Ms. Minara begum	Chairperson	Dabaka Municipal Board, Assam
14	Ms. Manika Kalita	City Project Officer	North Lakhimpur Municipal board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Ms. Nibedita Choudhury	City Project Officer	North Guwahati Municipal board, Assam
16	Ms. Nilakshi Borah	City Project Officer	Nagaon Municipal Board, Assam
17	Mr. Mrinmoy Bhagawati	City Project Officer	Howly Municipal Board, Assam
18	Ms. Rup Konwar Kakati	City Project Officer	Dhakuakhana Municipal board, Assam
19	Ms. Deepjyoti Saikia	City Project Officer	Nagaon Municipal Board, Assam
20	Mr. Anwar Hussain Laskar	City Project Officer	Hailakandi and Lala Municipal Board, Assam
21	Mr. Abdur Khandakar	City Project Officer	Rangapara Municipal board, Assam
22	Mr. Abdur Mollah	City Project Officer	Bilasipara Municipal Board, Assam
23	Ms. Pinaben Parmar	Sanitary Inspector	Kheda Municipal Council, Gujarat
24	Mr. Nur Mostafa Ahmed	City Project Officer	Kajalgaon & Basugaon Municipal Board, Assam
25	Ms. Jaimini Patel	MIS/IT Expert	Regional Commissioner of Municipalities Ahmedabad Zone, Gujarat
26	Mr. Kovidh Dhyani	SBM Consultant	KPMG, Delhi
27	Ms. Arunima Barman	City Project Officer	Tihu Municipal board, Assam
28	Ms. Paragjyoti Das	City Project Officer	Dokmoka Municipal Board, Assam
29	Mr. Bikash Acharjee	City Project Officer	Hojai Municipal Board, Assam
30	Mr. Manirul Islam	City Project Officer	Udalguri Municipal Board, Assam
31	Mr. Hanif Zafor	City Project Officer	Sarupathar & Barpathar Municipal Board, Assam
32	Mr. A. Rakwib	City Project Officer	Karimganj Municipal Board, Assam
33	Mr. Vikash Budhia	City Project Officer	Chabua Municipal Board, Assam
34	Ms. Tirtha Hazarika	City Project Officer	Kampur Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
35	Ms. Dena Kalita	City Project Officer	Dhing Municipal Board, Assam
36	Ms. Simanta Deka	City Project Officer	Guwahati Municipal Board, Assam
37	Mr. Faizuddin Ahmed	City Project Officer	Barpeta Road Municipal Board, Assam
38	Mr. Akramul Islam	City Project Officer	Bokajan Municipal Board, Assam
39	Mr. Chandan baishya	City Project Officer	Palashbari Municipal Board, Assam
40	Mr. Mangesh Gholap	Jr. Overseer	Brihanmumbai Municipal Corporation, Maharashtra
41	Mr. Samijul Haque	City Project Officer	Kokrajhar Municipal Board, Assam
42	Mr. Asraf Malik	City Project Officer	Bijni Municipal Board, Assam
43	Mr. Sajjan Singh	SBM Consultant	Rewa Division, Madhya Pradesh
44	Mr. Pankaj Gonge	Municipal Engineer	Brihanmumbai Municipal Corporation, Maharashtra
45	Mr. Minakshi Borgohain	City Project Officer	Makum Municipal Board, Assam
46	Mr. Saurabh Sarmah	City Project Officer	Tinsukia Municipal Board, Assam
47	Mr. Pradeep Kate	Jr. Overseer	Brihanmumbai Municipal Corporation, Maharashtra
48	Mr. Pravin Palasamkar	Sanitary Worker	Brihanmumbai Municipal Corporation, Maharashtra
49	Mr. Ankit Kunjadiya	Municipal Engineer	Surat Municipal Corporation, Gujarat
50	Ms. Poulomi Hojai	City Project Officer	Umrongso Municipal Board, Assam
51	Ms. Kamal Kalita	City Project Officer	Mariani Municipal Board, Assam
52	Mr. Zahid Ahmed	City Project Officer	Lakhimpur Municipal Board, Assam
53	Mr. Hitendra Deka	City Project Officer	Bihpuria Municipal Board, Assam
54	Mr. Jyotismoy Das	City Project Officer	Doomdooma Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
55	Mr. Anjan Kumar Chakrabarty	City Project Officer	Jorhat Municipal Board, Assam
56	Mr. Hamir Parmar	Sanitary Worker	Brihanmumbai Municipal Corporation, Maharashtra
57	Mr. Biru Boruah	City Project Officer	Moran & Sonari Municipal Board, Assam
58	Ms. Vaniellien Chorei	City Project Officer	Haflong Municipal Board, Assam
59	Mr. Vinesh Patadia	Labour Officer	Junagadh Municipal Corporation, Gujarat
60	Mr. Dipal Kathad	SBM Consultant	Rajkot Municipal Corporation, Gujarat
61	Mr. Vishal Ahire	SBM Consultant	SBM State Programme Management Unit, Maharashtra
62	Mr. Vikas Dhankhar	SBM Consultant	KPMG, Delhi
63	Mr. Rajesh Jadhav	Jr. Overseer	Brihanmumbai Municipal Corporation, Maharashtra
64	Mr. Nilesh Kamble	Sanitary Worker	Brihanmumbai Municipal Corporation, Maharashtra
65	Mr. Himarekha Baruah	City Project Officer	Simaluguri Municipal Board, Assam
66	Ms. Anjuma Mahela	City Project Officer	Tezpur Municipal Board, Assam
67	Mr. Manabendra Patgiri	City Project Officer	Pathsala Municipal Board, Assam
68	Mr. Sofiqul Hoque	City Project Officer	Sarthebari Municipal Board, Assam
69	Mr. Bidyut Kalita	City Project Officer	Tangla Municipal Board, Assam
70	Mr. Nirupam Choudhury	City Project Officer	Diphu Municipal Board, Assam
71	Mr. Raisul Hussain	City Project Officer	Sapatgram Municipal Board, Assam
72	Ms. Nipapriya Das	City Project Officer	Badarpur Municipal Board, Assam
73	Mr. Jatin Mehta	Chief Officer	Dholka Municipal Council, Gujarat
74	Mr. Siddhartha Kalita	City Project Officer	Abhayapuri Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
75	Mr. Chandan Kalita	City Project Officer	Silapathar Municipal Board, Assam
76	Mr. Hasan Ali	City Project Officer	Sorbhog Municipal Board, Assam
77	Mr. Nehar Samad	City Project officer	Rangia Municipal Board, Assam
78	Mr. Heramba Kakati	City Project Officer	Mangaldai Municipal Board, Assam
79	Mr. Anuj Bhuyan	City Project Officer	Dongkamukam Municipal Board, Assam
80	Ms. Shehnaz Sarkar	City Project Officer	Dhubri Municipal Board, Assam
81	Mr. Mohammad Laskar	City Project Officer	Sonai Municipal Board, Assam
82	Mr. Arunjyoti Goswami	City Project Officer	Raha Municipal Board, Assam
83	Mr. Bishnu Rajkhowa	City Project Officer	Namrup Municipal Board, Assam
84	Mr. Nidika Thaosen	City Project Officer	Maibang Town Committee, Assam
85	Mr. Ibrahim Ali	City Project Officer	Dergaon Municipal Board, Assam
86	Mr. Dinesh Manjrekar	Jr. Overseer	Brihanmumbai Municipal Corporation, Maharashtra
87	Mr. Hardik Gamdha	Municipal Engineer	Vadodara Municipal Corporation, Gujarat
88	Mr. Mridul Kumar Nath	City Project Officer	Morigaon Municipal Board, Assam

Regional Specialized Web-Based Training Programme on

Atal Mission for Rejuvenation and Urban Transformation – 2.0

15th - 16th June 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Bharat Borah	Municipal Engineer	Gohpur Municipal Board, Assam
2	Mr. Alauddin Ahamed	City project officer	Barpeta Municipal Board, Assam
3	Mr. Bijoy Sarma	Nodal Officer	Tangla Municipal Board, Assam
4	Ms. Simanta Bora	Vice Chairman	Golaghat Municipal Board, Assam
5	Mr. Gopal Gogoi	Municipal Engineer	Mariani Municipal Board, Assam
6	Mr. Ajoy Baruah	Executive Officer	North Lakhimpur Municipal Board, Assam
7	Mr. Nituraj Wary	Municipal Engineer	Kajalgaon Municipal Board, Assam
8	Ms. Dharitri Kakati	Executive Officer	Barpeta Municipal Board, Assam
9	Mr. Sharvankumar Solanki	Municipal Engineer	Sumerpr Municipal Council, Rajasthan
10	Ms. Barsha Talukdar	Executive Officer	Tezpur Municipal Board, Assam
11	Mr. Tasvirsinh Makwana	Representative of NGO	AIIISG, Ahmedabad, Gujarat
12	Mr. Sudipta Das	Municipal Engineer	Dhing Municipal Board, Assam
13	Ms. Priyanka Malhotra	Sr. Chemist	Ajmer Municipal Corporation, Rajasthan
14	Ms. Rupjyoti Saikia	Representative of NGO	Golaghat Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Jomil Laskar	Municipal Engineer	Sonai Municipal Board, Assam
16	Mr. Kaushik Deka	City project officer	Bongaigaon Municipal Board, Assam
17	Mr. Shashikant Pandey	Urban Infrastructure Expert	Vapi Municipal Council, Gujarat
18	Mr. Sagar Gaonkar	MIS Expert	Ponda Municipal Council, Goa
19	Mr. Pratap Dan	Community Organizer	Sadri Municipal Council, Rajasthan
20	Mr. Kuldeepsinh Makwana	Representative of NGO	AIIILSG, Ahmedabad, Gujarat
21	Mr. Parag Barman	Nodal Officer	Lakhipur Municipal Board, Assam
22	Mr. Farhana Yashmin	Municipal Engineer	Tihu Municipal Board, Assam
23	Mr. Rajesh Borah	Municipal Engineer	Jorhat Municipal Board, Assam
24	Ms. Anuradha Patil	Municipal Engineer	Dhangaon Municipal Council, Maharashtra
25	Mr. Ashit Das	Representative of NGO	Lakhipur Municipal Board, Assam
26	Mr. Derhasat Brahma	Municipal Engineer	Kokrajarh Municipal Board, Assam
27	Mr. Abdul Sajabam	Municipal Engineer	Lakhipur Municipal Board, Assam
28	Mr. Bedanta Borah	Municipal Engineer	Dhekiajuli Municipal Board, Assam
29	Mr. Bolin Handique	Nodal Officer	Bokakhat Municipal Board, Assam
30	Mr. Mrinal Paul	Municipal Engineer	Hailakandi Municipal Board, Assam
31	Mr. Ashim Kumar Das	Chairman	Lakhipur Municipal Board, Assam
32	Mr. Yuvrajsinh Makwana	Representative of NGO	AIIILSG, Ahmedabad, Gujarat

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
33	Mr. Sitangshu Chakraborty	Municipal Engineer	Agartala Municipal Council, Tripura
34	Mr. Bhargave Borah	Municipal Engineer	Gohpur Municipal Board, Assam
35	Mr. Abhijit Dutta	Municipal Engineer	Basugaon Municipal Board, Assam
36	Mr. Krutarth Parekh	Representative of NGO	AIIISG, Ahmedabad, Gujarat
37	Mr. Janardan Pawar	Chief Officer	Dharangaon Municipal council, Maharashtra
38	Ms. Minakshi Mishra	Community Organization	Rajgarh Municipal Council, Rajasthan
39	Mr. Arun Gaur	Representative of NGO	Jodhpur Municipal Corporation, Rajasthan
40	Mr. Shailendrasingh Zala	Municipal Engineer	Bhachau Municipal Council, Gujarat
41	Mr. Siddhartha Kalita	City Project Officer	Abhayapuri Municipal Board, Assam
42	Ms. Suma Roy	Computer operator	Lakhipur Municipal Board, Assam
43	Mr. Prafulla Sharma	Municipal Engineer	Palashbari Municipal Board, Assam
44	Mr. Vishwajit Dhadhal	Representative of NGO	Akhand Jyot Foundation, Gujarat
45	Mr. Dinesh Rudan	Multi-Purpose Health Worker	Mahemadabad Municipal Council, Gujarat
46	Mr. Ranjit Kumar Nath	Municipal Engineer	Raha Municipal Board, Assam
47	Mr. Hemen Patangia	Municipal Engineer	Tezpur Municipal Board, Assam
48	Mr. Mustafur Hussain	Nodal Officer	Golaghat Municipal Board, Assam
49	Mr. Dipak Kumar Deb	Municipal Engineer	Bilasipara Municipal Board, Assam
50	Mr. Ajit Acharya	Nodal Officer	Bakalia Municipal Board, Assam
51	Mr. Himadri Deb	Municipal Engineer	Haflong Municipal Board, Assam

Regional Specialized Web-Based Training Programme on

Jal Jeevan Mission – Urban

23rd - 24th June 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Dr. Pratik Vyas	Center Incharge	AIIILSG, Bhavnagar, Gujarat
2	Mr. Nipo Baruah	Nodal Officer	Goreswar Municipal Board, Assam
3	Mr. Shailesh Parmar	Municipal Engineer	Surendranagar-Dudhrej-Wadhwan Municipal Council, Gujarat
4	Mr. Dandiram Saikia	Municipal Engineer	Narayanpur Municipal Board, Assam
5	Mr. Manuj Boro	Municipal Engineer	Barpathar Municipal Board, Assam
6	Mr. Gopal Gogoi	Municipal Engineer	Mariani Municipal Board, Assam
7	Mr. Amen Bayan	Municipal Engineer	Bijni Municipal Board, Assam
8	Mr. Nituraj Wary	Municipal Engineer	Kajalgaon Municipal Board, Assam
9	Mr. Suresh Shinde	Municipal Engineer	Peth Umri Municipal Council, Maharashtra
10	Mr. Chirag Chauhan	MIS/ IT Expert	Dhandhuka Municipal Council, Gujarat
11	Mr. Ganesh Ghangale	Representative of NGO	Peth Municipal Council, Maharashtra
12	Mr. Krishna Saha	Chairman	Kharupetia Municipal Board, Assam
13	Mr. Krupal Suthar	Urban Infrastructure Expert	Gandhidham Municipal Council, Gujarat
14	Mr. Debojit Hojai	Municipal Engineer	Maibang Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Madhukar Raut	Municipal Engineer	Amravati Municipal Corporation, Maharashtra
16	Mr. Kiran Patel	Urban Infrastructure Expert	Navsari Vijalpore Municipal Council, Gujarat
17	Mr. Bhadresh Vasoya	Urban Infrastructure Expert	Amreli Municipal Council, Gujrat
18	Mr. Putul Boro	Municipal Engineer	Sarupathar Municipal Board, Assam
19	Mr. Sudipta Das	Municipal Engineer	Dhing Municipal Board, Assam
20	Mr. Jomil Ahmed Laskar	Municipal Engineer	Sonai Municipal Board, Assam
21	Mr. Pankaj Gavare	Municipal Engineer	Kavathemahankal Municipal Council, Maharashtra
22	Mr. Shashikant Pandey	Urban Infrastructure Expert	Vapi Municipal Council, Gujarat
23	Mr. Tejas Raviya	Urban Infrastructure Expert	Jetpur Municipal Council, Gujarat
24	Mr. Sumit Patel	Urban Infrastructure Expert	Patan Municipal Council, Gujarat
25	Mr. Tushar Limbachiya	Urban Infrastructure Expert	Valsad Municipal Council, Gujarat
26	Mr. Jay Kalsariya	Urban Infrastructure Expert	Bharuch Municipal Council, Gujarat
27	Mr. Ajit Choudhry	Municipal Engineer	Bongaigaon Municipal Board, Assam
28	Mr. Parag Barman	Municipal Engineer	Lakhipur Municipal Board, Assam
29	Mr. Nitul Deka	Asst. Nodal Officer	Kharupetia Municipal Board, Assam
30	Mr. Hamilton Hazarika	Municipal Engineer	Chapakhowa Municipal Board, Assam
31	Mr. Radheshyam Ingole	Municipal Engineer	Lakhani Municipal Council, Maharashtra
32	Mr. Derhasat Brahma	Municipal Engineer	Kokrajarh Municipal Board, Assam
33	Mr. Chinmoy Sarma	Nodal Officer	Kharupetia Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
34	Mr. Md Abdul Hamid	Municipal Engineer	Lakhipur Municipal Board, Assam
35	Mr. Ganesh Gadhari	City Coordinator	Amalner Municipal Council, Maharashtra
36	Ms. Yogeshwari Gajjar	Monitoring & Evaluation Specialist	Ahmedabad Municipal Council, Gujarat
37	Mr. Rajendra Kikale	Municipal Engineer	Pune Municipal Corporation, Maharashtra
38	Ms. Charmi Paun	Municipal Finance Expert	Rajkot Municipal Corporation, Gujarat
39	Mr. Bedanta Borah	Municipal Engineer	Dhekiajuli Municipal Board, Assam
40	Mr. Prahlad Das	Municipal Engineer	Udalguri Municipal Board, Assam
41	Mr. Prasanta Gogoi	Municipal Engineer	Guwahati Municipal Board, Assam
42	Mr. Mihir Gop	Chief Planner	Tripura Urban Planning and Development Authority (TUDA), Tripura
43	Ms. Deepali Karhale	Municipal Engineer	Primove infrastructure Pvt. Ltd., Pune Maharashtra
44	Mr. Ashish Chahar	City Mission Manager	Godhra Municipal Council, Gujarat
45	Mr. Abhijit Dutta	Municipal Engineer	Basugaon Municipal Board, Assam
46	Mr. Jugal Baruah	Municipal Engineer	Kampur Municipal Board, Assam
47	Mr. Dhaval Maru	Urban planner	Morbi Municipal Council, Gujarat
48	Mr. Shailendeasinh Zala	Municipal Engineer	Bhachau Municipal Council, Gujarat
49	Mr. Bharvish Chawda	Urban planner	Vadodara Municipal Corporation, Gujarat
50	Mr. Nareshbhai Muniya	Chief Officer	Dhandhuka Municipal Council, Gujarat
51	Mr. Narendrakumar Mandliya	Municipal Engineer	Surat Municipal Corporation, Gujarat
52	Mr. Ikrabuddin Ahmed	Municipal Engineer	Nazira Municipal Board, Assam
53	Mr. Bhupen Dutta	Municipal Engineer	Lumding Municipal Board, Assam

Regional Specialized Web-Based Training Programme on

National Urban Livelihoods Mission (NULM)

29th - 30th June 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Ms. Anjana Avasthi	Representative of SHG	Khushi SHG, Jaipur, Rajasthan
2	Ms. Dipali Acherjee	Community Organizer	Teliamura Municipal Council, Tripura
3	Mr. Rupayan Debnath	City Mission Manager	Ranibazar Municipal Council, Tripura
4	Ms. Sarmistha Chakraborty	Community Organizer	Amarpur Municipal Council, Tripura
5	Mr. Sk Mahmad Shaikh	Manager Skill and Livelihood	Parbhani Municipal Corporation, Maharashtra
6	Ms. Jameelabegum Eathakula	Representative of NGO	Swavalamban Samaj Vikas Sanstha, Mumbai, Maharashtra
7	Mr. Bisweswar Debnath	City Mission Manager	Kumarghat Municipal Council, Tripura
8	Mr. Rupak Debnath	City Mission Manager	Panisagar Municipal Council, Tripura
9	Ms. Vandana Paratawagh	Community Organizer	Jintur Municipal Council, Maharashtra
10	Mr. Bir Sadhan Jamatia	Community Organizer	Agartala Municipal Corporation, Tripura
11	Mr. Nava Kumar Pathari	City Project Manager	Dhemaji Municipal Board, Assam
12	Mr. Ankur	City Project Manager	Guwahati Municipal Corporation, Assam
13	Mr. Debajeet Das	City Project Manager	Goalpara Municipal Board, Assam
14	Mr. Rajit	City Project Manager	Sivasagar Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Kaushik deka	City Project Manager	Bongaigaon Municipal Board, Assam
16	Mr. Prabin Topno	City Project Manager	Tezpur Municipal Board, Assam
17	Mr. Toshiba Sinha	City Project Manager	Silchar Municipal Board, Assam
18	Mr. Brojen Rongphar	City Project Manager	Diphu Municipal Board, Assam
19	Ms. Anjana Bidgar	Asst. Project Officer	Gangakhed Municipal Council, Maharashtra
20	Mr. Ashim Acharjee	Community Organizer	Agartala Municipal Corporation, Tripura
21	Ms. Usha Phukan	City Project Manager	Jorhat Municipal Board, Assam
22	Mr. Partha Bharali	City Project Manager	Tinsukia Municipal Board, Assam
23	Mr. Rup Jyoti Borah	City Project Manager	Morigaon Municipal Board, Assam
24	Mr. Shiladitya Narzahary	City Project Manager	Kokrajhar Municipal Board, Assam
25	Mr. Ridip Doley	City Project Manager	Nalbari Municipal Board, Assam
26	Mr. Maanash Das	City Project Manager	Mangaldoi Municipal Board, Assam
27	Mr. Imtaz Dewan	City Project Manager	Golaghat Municipal Board, Assam
28	Mr. Nayanjyoti Sarmah	City Project Manager	North Guwahati Municipal Board, Assam
29	Mr. Hanuman Bidwe	Community Organizer	Sonpeth Municipal Council, Maharashtra
30	Ms. Nazvi Naseem	Community Organizer	Palashbari Municipal Board, Assam
31	Mr. Jamal Krishna das	Community Organizer	Barpeta Road Municipal Board, Assam
32	Ms. Rosy Ingtip	Community Organizer	Bakulia Municipal Board, Assam
33	Mr. Abhijit Debnath	Community Organizer	Gossaigaon Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
34	Mr. Tarik Barbhuiya	Community Organizer	Lala Municipal Board, Assam
35	Mr. Neqeeb Umar	Community Organizer	Bilasipara Municipal Board, Assam
36	Mr. Himanshu Gogoi	Community Organizer	Margherita Municipal Board, Assam
37	Ms. Minara Begum	Community Organizer	Dabaka Municipal Board, Assam
38	Ms. Chandini Ardao	Community Organizer	Maibang Municipal Board, Assam
39	Ms. Rajia Galib	Community Organizer	Chabua Municipal Board, Assam
40	Ms. Anyeng Resho Rengma	Community Organizer	Howraghat Municipal Board, Assam
41	Ms. Serlika Kramsapi	Community Organizer	Donkamokam Municipal Board, Assam
42	Mr. Dharendra Nath Das	City Project Manager	Dibrugarh Municipal Board, Assam
43	Mr. Monuj Saikia	Community Organizer	Digboi Municipal Board, Assam
44	Mr. Nazmul Hoque	Community Organizer	Gauripur Municipal Board, Assam
45	Mr. Guna Borah	City Project Manager	Nagaon Municipal Board, Assam
46	Mr. Prakash Jyoti Das	Community Organizer	Sorbhog Municipal Board, Assam
47	Mr. Safique Iqbal	Community Organizer	Golakganj Municipal Board, Assam
48	Ms. Suchanta Borgohain	Community Organizer	Doomdooma Municipal Board, Assam
49	Mr. Rajdeep Dasgupta	Community Organizer	Lumding Municipal Board, Assam
50	Ms. Jecinta Ingtipi	Community Organizer	Langhin Municipal Board, Assam
51	Ms. Rajashree Dutta	Community Organizer	Biswanath Municipal Board, Assam
52	Mr. Dipankar Sharma	Community Organizer	Dhekiajuli Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
53	Mr. Bipul Barman	Community Organizer	Basugaon Municipal Board, Assam
54	Mr. Sahil Phonglo	Community Organizer	Umrongso Municipal Board, Assam
55	Ms. Nabajyoti Pathak	Community Organizer	Pathsala Municipal Board, Assam
56	Ms. Diksha Dey	Community Organizer	Dhing Municipal Board, Assam
57	Ms. Bandana Naiding	Community Organizer	Mahur Municipal Board, Assam
58	Ms. Bhanita Patowary	Community Organizer	Rangapara Municipal Board, Assam
59	Mr. Sankar Rajbongshi	Community Organizer	Patacharkuchi Municipal Board, Assam
60	Mr. Sanswring Brahma	Community Organizer	Tangla Municipal Board, Assam
61	Mr. Longkiri Lekthe	Community Organizer	Bokajan Municipal Board, Assam
62	Mr. Tribeni Borah	Community Organizer	Raha Municipal Board, Assam
63	Mr. Deepchandam Baruah	Community Organizer	Bokakhat Municipal Board, Assam
64	Mr. Harshad Mestry	Representative of NGO	Devgad Jamsande Municipal Council, Maharashtra
65	Mr. Hiranya Sarkar	Community Organizer	Abhayapuri Municipal Board, Assam
66	Ms. Sansuma Daimari	Community Organizer	Guwahati Municipal Corporation, Assam
67	Ms. Juri Phukan	Community Organizer	Dibrugarh Municipal Corporation, Assam
68	Ms. Bhanita Baishya	Community Organizer	Udalguri Municipal Board, Assam
69	Ms. Rupam Medhi	Community Organizer	Lakhipur Municipal Board, Assam
70	Mr. Bijoy Nath	Community Organizer	Sivasagar Municipal Board, Assam
71	Mr. Songjalim Rongpharpi	Community Organizer	Dokmoka Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
72	Ms. Shital Solanke	Asst. Project Officer	Sailu Municipal Council, Maharashtra
73	Ms. Parismita Bharali	Community Organizer	Demow Municipal Board, Assam
74	Ms. Pranjali Konwar	Community Organizer	Sonari Municipal Board, Assam
75	Ms. Promila Teronpi	Community Organizer	Diphu Municipal Board, Assam
76	Mr. Pritam Brahma	Community Organizer	Bijni Municipal Board, Assam
77	Ms. Rekha Tapse	Community Organizer	Parbhani Municipal Corporation, Maharashtra
78	Ms. Asha Sonwane	Community Organizer	Parbhani Municipal Corporation, Maharashtra
79	Mr. Subhash Maske	City Mission Manager	Parbhani Municipal Corporation, Maharashtra

Regional Specialized Web-Based Training Programme on

Solid & Liquid Waste Management in Urban Areas

7th - 8th July 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Naginbhai Patel	Sanitary Inspector	Kapadwanj Municipal Council, Gujarat
2	Mr. Shubhajit Paul	Technical Expert	Ranirbazar Municipal Council, Tripura
3	Mr. Ayan Aditya	SBM Expert	Dharmanagar Municipal Council, Tripura
4	Mr. Sanjib Bhattacharjee	SBM Expert	Khowai Municipal Council, Tripura
5	Mr. Amar Saha	Municipal Engineer	Ranirbazar Municipal Council, Tripura
6	Mr. Dipankar Sharma	Municipal Engineer	Ambassa Municipal Council, Tripura
7	Mr. Ashu Ranjan Debbarma	Dy. Chief Executive Officer	Ambassa Municipal Council, Tripura
8	Mr. Ganesh Kasurde	Sanitary Inspector	Panchgani Municipal Council, Maharashtra
9	Ms. Vaishnavi Kumbhar	Municipal Engineer	Sangli-Miraj-Kupwad City Municipal Corporation, Maharashtra
10	Mr. Dilkush Gaonkar	SBM Coordinator	Cuncoim Municipal Council, Goa
11	Mr. Sarvesh Pai	SBM Coordinator	Cuncoim Municipal Council, Goa
12	Mr. Chiragkumar Chauhan	MIS/IT Expert	Dhandhuka Municipal Council, Gujarat
13	Ms. Aradhana Bhangui	SBM Coordinator	Panaji Municipal Corporation, Goa
14	Ms. Laxmi Lamani	SBM Coordinator	Mormugao Municipal council, Goa

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Himendra Singh	SWM Expert	Junagadh Municipal Corporation, Gujarat
16	Ms. Diksha Sirsat	Municipal Engineer	Alibag Municipal Council, Maharashtra
17	Ms. Namita Debbarma	Municipal Engineer	Udaipur Municipal Council, Tripura
18	Mr. Saurav Jhunjunwala	Elected Representative	Guwahati Municipal Corporation, Assam
19	Mr. Atindra Reang	SBM Expert	Santirbazar Municipal Council, Tripura
20	Mr. Bikash Noatia	Municipal Engineer	Melaghar Municipal Council, Tripura
21	Mr. Saugat chakraborty	SBM Expert	Khowai Municipal Council, Tripura
22	Mr. Ratish Debbarma	Municipal Engineer	Bishalgarh Municipal Council, Tripura
23	Mr. Nilesh Vaghela	MIS Expert	Bhayavadar Municipal Council, Gujarat
24	Mr. Radheshyam Ingole	Municipal Engineer	Lakhani Municipal Council, Maharashtra
25	Mr. Ganesh Gadhari	City Coordinator	Amalner Municipal Council, Maharashtra
26	Mr. Dipal Kathad	Representative of NGO	Rajkot Municipal Corporation, Gujarat
27	Mr. Ketankumar Vanani	Chief Officer	Regional Commissioner of Municipal Administration, Surat, Gujarat
28	Mr. Prasenjith Das	Municipal Engineer	Amarpur Municipal Council, Tripura
29	Mr. Biswajit Bhattacharjee	Representative of NGO	Ambassa Municipal Council, Tripura
30	Mr. Rajeev Gohel	Fire Officer	Porbandar Municipal Council, Gujarat
31	Mr. Manuj Debbarma	Municipal Engineer	Ranirbazar Municipal Council, Tripura
32	Mr. Biswajit Sukla Das	Supervisor of SBM & PMAY	Udaipur Municipal Council, Tripura
33	Mr. Richard Chakma	Municipal Engineer	Mohanpur Municipal Council, Tripura

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
34	Mr. Sankar Chakraborty	Mayor	Guwahati Municipal Corporation, Assam
35	Mr. Digvijay Suryavanshi	Mayor	Sangli-Miraj-Kupwad City Municipal Corporation, Maharashtra
36	Mr. Abhimanyu Guneria	Representative of NGO	Tirora Municipal Council, Maharashtra
37	Mr. Dilip Debbarma	SWM Expert	Agartala Municipal Corporation, Tripura
38	Mr. Joydeep Chakraborty	SWM Expert	Agartala Municipal Corporation, Tripura
39	Mr. NareshBhai Muniya	Chief Officer	Dhandhuka Municipal Council, Gujarat
40	Mr. Ashish Bharali	Elected Representative	Guwahati Municipal Corporation, Assam

Regional Specialized Training Programme on

Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS

27th July 2022 in Nagpur, Maharashtra

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Abhishek Ambagade	CLTC Engineer	Ramtek Municipal Council, Maharashtra
2	Mr. Monesh Rewatkar	CLTC Engineer	Khapa Municipal Council, Maharashtra
3	Mr. Nitin Madankar	CLTC Engineer	Saoner Municipal Council, Maharashtra
4	Mr. Niraj Raju Nalhe	CLTC Engineer	Kalmeshwar-Brahmni Municipal Council, Maharashtra
5	Mr. Vaibhav Sakharkar	CLTC Engineer	Kuhi Municipal Council, Maharashtra
6	Mr. Sagar Gurmule	CLTC Engineer	Narkhed Municipal Council, Maharashtra
7	Mr. Saurabh Tonde	CLTC Engineer	Bhiwapur Municipal Council, Maharashtra
8	Ms. Swati Dakre	CLTC Engineer	Mowad Municipal Council, Maharashtra
9	Mr. Mohit Meshram	CLTC Engineer	Mahadula Municipal Council, Maharashtra
10	Mr. Sumit Ganorkar	CLTC Engineer	Mohpa Municipal Council, Maharashtra
11	Mr. Rajesh Mishra	CLTC Engineer	Butibori Municipal Council, Maharashtra
12	Mr. Abhilash Hiwase	CLTC Engineer	Kanhan Pipri Municipal Council, Maharashtra
13	Mr. Shubham Duragkar	CLTC Engineer	Sakoli Municipal Council, Maharashtra
14	Mr. Paramveer Singh Rathore	CLTC Engineer	Bhandara Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Ms. Pratima Rakhade	CLTC Engineer	Lakhandur Municipal Council, Maharashtra
16	Mr. Devendra Bansod	CLTC Engineer	Pauni Municipal Council, Maharashtra
17	Mr. Devendra Waghaye	CLTC Engineer	Mohadi Municipal Council, Maharashtra
18	Mr. Yogesh Bhure	CLTC Engineer	Lakhani Municipal Council, Maharashtra
19	Mr. Gopal Padole	CLTC Engineer	Tumsar Municipal Council, Maharashtra
20	Mr. Ashish Kapgate	CLTC Engineer	Sadak Arjuni Municipal Council, Maharashtra
21	Mr. Satish Khajuriya	CLTC Engineer	Salekasa Municipal Council, Maharashtra
22	Mr. Amol Patle	CLTC Engineer	Deori Municipal Council, Maharashtra
23	Mr. Pravinkumar Barewar	CLTC Engineer	Goregaon Municipal Council, Maharashtra
24	Mr. Shahrukh Pathan	CLTC Engineer	Tirora Municipal Council, Maharashtra
25	Mr. Deepak Dongarwar	CLTC Engineer	Arjuni Municipal Council, Maharashtra
26	Mr. Suraj Raghatate	CLTC Engineer	Seloo Municipal Council, Maharashtra
27	Mr. Ameet Nandeshwar	CLTC Engineer	Pulgaon Municipal Council, Maharashtra
28	Mr. Abhaykumar Ramteke	CLTC Engineer	Sindi (Railway) Municipal Council, Maharashtra
29	Mr. Akshay Yenurkar	CLTC Engineer	Ashti Municipal Council, Maharashtra
30	Mr. Rahul Jaiswal	CLTC Engineer	Deoli Municipal Council, Maharashtra
31	Mr. Pramod Borkar	CLTC Engineer	Hinganghat Municipal Council, Maharashtra
32	Mr. Prashant Chafale	CLTC Engineer	Hinganghat Municipal Council, Maharashtra
33	Mr. Pavan Watkar	CLTC Engineer	Samudrapur Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
34	Mr. Mahendra Herode	CLTC Engineer	Karanja Municipal Council, Maharashtra
35	Mr. Harshal Banubokade	CLTC Engineer	Aarvi Municipal Council, Maharashtra
36	Mr. Rohit Shukla	CLTC Engineer	Saoli Municipal Council, Maharashtra
37	Ms. Maheshwari Pimpalshende	CLTC Engineer	Pombhurna Municipal Council, Maharashtra
38	Mr. Prakash Bobate	CLTC Engineer	Gondpipari Municipal Council, Maharashtra
39	Ms. Trupti Gurge	CLTC Engineer	Bhadrawati Municipal Council, Maharashtra
40	Ms. Diplata Bhashkar Patode	CLTC Engineer	Sindewahi Municipal Council, Maharashtra
41	Mr. Sujit Prakash Joge	CLTC Engineer	Mul Municipal Council, Maharashtra
42	Mr. Gautam Selurkar	CLTC Engineer	Gadchandur Municipal Council, Maharashtra
43	Mr. Krunal Singham	CLTC Engineer	Nagbhid Municipal Council, Maharashtra
44	Ms. Ankita Dakhare	CLTC Engineer	Korpana Municipal Council, Maharashtra
45	Mr. Rohit Khobragade	CLTC Engineer	Warora Municipal Council, Maharashtra
46	Ms. Shweta Khule	CLTC Engineer	Tiosa Municipal Council, Maharashtra
47	Mr. Dinesh Jaiswal	CLTC Engineer	Shendurjana Ghat Municipal Council, Maharashtra
48	Mr. Pravin Mandre	CLTC Engineer	Warud Municipal Council, Maharashtra
49	Mr. Sagar Tayde	CLTC Engineer	Achalpur Municipal Council, Maharashtra
50	Mr. Dhiraj Vijaykar	CLTC Engineer	Achalpur Municipal Council, Maharashtra
51	Mr. Bhushan Deshmukh	CLTC Engineer	Chandurbazar Municipal Council, Maharashtra
52	Mr. Bharat Indurkar	CLTC Engineer	Dhmangaon Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
53	Mr. Rahil Ahmed	CLTC Engineer	Nandgaon Khandeshwar Municipal Council, Maharashtra
54	Mr. Vipin Trivedi	Municipal Finance Specialist	Amravati Municipal Corporation, Maharashtra
55	Mr. Ankit Sabde	Town Planning Specialist	Amravati Municipal Corporation, Maharashtra
56	Mr. Chetan Khapre	CLTC Engineer	Kurkheda Municipal Council, Maharashtra
57	Mr. Vilas Bondre	CLTC Engineer	Desaiganj Municipal Council, Maharashtra
58	Mr. Aniket Bhandekar	CLTC Engineer	Aheri Municipal Council, Maharashtra
59	Mr. Nikesh Gahane	CLTC Engineer	Gadchiroli Municipal Council, Maharashtra
60	Mr. Rakesh Bhandari	CLTC Engineer	Sironcha Municipal Council, Maharashtra
61	Ms. Snehal Bhurse	CLTC Engineer	Chamorshi Municipal Council, Maharashtra
62	Mr. Akshay Ukey	CLTC Engineer	Dhanora Municipal Council, Maharashtra
63	Mr. Vivek Sakhare	CLTC Engineer	Etapalli Municipal Council, Maharashtra
64	Mr. Maqsood Ali	Concerned Municipal Official	Digras Municipal Council, Maharashtra
65	Mr. Nikhil Maske	CLTC Engineer	Darwha Municipal Council, Maharashtra
66	Mr. Mohd. Najeeb Mohammad Taher	CLTC Engineer	Umarkhed Municipal Council, Maharashtra
67	Mr. Syed Ibrahim Syed Ishaque	CLTC Engineer	Babhulgaon Municipal Council, Maharashtra
68	Mr. Mamta Tikhade	CLTC Engineer	Pusad Municipal Council, Maharashtra
69	Mr. Milind Jogi	CLTC Engineer	Wani Municipal Council, Maharashtra
70	Mr. Shubham Dhale	CLTC Engineer	Ghatanji Municipal Council, Maharashtra
71	Mr. Nitin Bopte	CLTC Engineer	Arni Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
72	Mr. Shoeb Idris Khan	CLTC Engineer	Arni Municipal Council, Maharashtra
73	Ms. Ashwini Wasekar	CLTC Engineer	Pandharkawada Municipal Council, Maharashtra
74	Mr. Vivek Wahurwagh	CLTC Engineer	Ner Navabpur Municipal Council, Maharashtra
75	Mr. Nikhil Bonde	CLTC Engineer	Zari Jamani Municipal Council, Maharashtra
76	Mr. Pritam Deshmukh	MIS Expert	Yavatmal Municipal Council, Maharashtra
77	Mr. Ashutosh Rajurkar	CLTC Engineer	Arni Municipal Council, Maharashtra
78	Mr. Akash Shirkare	CLTC Engineer	Akola Municipal Corporation, Maharashtra
79	Mr. Shrikant Manikrao	CLTC Engineer	Akola Municipal Corporation, Maharashtra
80	Mr. Pritam Bargir	MIS Expert	Akola Municipal Corporation, Maharashtra
81	Mr. Ganesh Jethe	CLTC Engineer	Risod Municipal Council, Maharashtra
82	Mr. Ashish Tayade	CLTC Engineer	Karanja Municipal Council, Maharashtra
83	Mr. Kishorkumar Kamble	CLTC Engineer	Mangrulpir Municipal Council, Maharashtra
84	Mr. Gajanan Raut	CLTC Engineer	Washim Municipal Council, Maharashtra
85	Mr. Prashant Pandey	CLTC Engineer	Mangrulpir Municipal Council, Maharashtra
86	Mr. Sy. Rehan Sy. Rehman	CLTC Engineer	Malegaon Jahangir Municipal Council, Maharashtra
87	Mr. Kisan Dhangar	CLTC Engineer	Washim Municipal Council, Maharashtra
88	Mr. Sachin Magar	CLTC Engineer	Chikhali Municipal Council, Maharashtra
89	Mr. Kiran Garkal	CLTC Engineer	Lonar Municipal Council, Maharashtra
90	Mr. Sagar Karangale	CLTC Engineer	Sangrampur Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
91	Mr. Ashish Gawande	CLTC Engineer	Shegaon Municipal Council, Maharashtra
92	Ms. Shivani Gunjalkar	CLTC Engineer	Chikhali Municipal Council, Maharashtra
93	Mr. Akash Bhoj	CLTC Engineer	Shegaon Municipal Council, Maharashtra
94	Mr. Shubham Kale	CLTC Engineer	Mehkar Municipal Council, Maharashtra
95	Ms. Minal Biswas	MIS Expert	Chandrapur Municipal Corporation, Maharashtra
96	Mr. Kamalakar Tikhat	Social Development Specialist	Chandrapur Municipal Corporation, Maharashtra
97	Mr. Shubham Warghat	CLTC Engineer	Chandrapur Municipal Corporation, Maharashtra
98	Mr. Pramod Ghode	CLTC Engineer	Patur Municipal Council, Maharashtra
99	Mr. Kuldip Kukudkar	CLTC Engineer	Armori Municipal Council, Maharashtra
100	Mr. Dipam Dave	CLTC Engineer	Murtizapur Municipal Council, Maharashtra
101	Mr. Suraj Balekar	Planning Assistant	Wadi Municipal Council, Maharashtra
102	Mr. Ajinkya Raut	CLTC Engineer	Mahagaon Municipal Council, Maharashtra
103	Ms. Kanchan Gajbhiye	CLTC Engineer	MHADA Nagpur, Maharashtra
104	Mr. Praful Tembhere	CLTC Engineer	Chimur Municipal Council, Maharashtra
105	Mr. Rajan Jane	Planning Assistant	Deulgaon Raja Municipal Council, Maharashtra
106	Mr. Dhammadip Sakhare	CLTC Engineer	Korchi Municipal Council, Maharashtra
107	Ms. Priti Chakole	CLTC Engineer	Hingna Municipal Council, Maharashtra
108	Mr. Santosh Pawase	CLTC Engineer	Malkapur Municipal Council, Maharashtra
109	Mr. Dhiraj Narkhede	CLTC Engineer	Malkapur Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
110	Mr. Pandurang Rathod	CLTC Engineer	Telhara Municipal Council, Maharashtra
111	Mr. Prashant Moon	CLTC Engineer	Ballarpur Municipal Council, Maharashtra
112	Mr. Shubham Lingayat	CLTC Engineer	Parshivani Municipal Council, Maharashtra
113	Mr. Dhananjay Mahajan	Planning Assistant	Balapur Municipal Council, Maharashtra
114	Ms. Madhuri Chaware	MIS Expert	Yavatmal Municipal Council, Maharashtra
115	Mr. Akash Jibhakate	CLTC Engineer	Umred Municipal Council, Maharashtra
116	Mr. Ajay Bhadake	Concerned Municipal Official	Bhatkuli Municipal Council, Maharashtra
117	Mr. Shubham Gayadhani	CLTC Engineer	Wandongari Municipal Council, Maharashtra
118	Mr. Saurabh Aher	CLTC Engineer	Wardha Municipal Council, Maharashtra
119	Mr. Pratik Mankar	Concerned Municipal Official	Gondia Municipal Council, Maharashtra
120	Mr. Brahmanand Kale	MIS Expert	Gadchiroli Municipal Council, Maharashtra
121	Mr. Umesh Doble	MIS Expert	NMRDA, Nagpur, Maharashtra
122	Mr. Anirban Chakrabarty	Internal Auditor	Katol Municipal Council, Maharashtra
123	Mr. Ashok Rachalwar	Nayab Tahsildar	NMRDA, Nagpur, Maharashtra
124	Mr. Chandramani Bagde	MIS Expert	NMRDA, Nagpur, Maharashtra
125	Mr. Ketan Sangole	CLTC Engineer	Jalgaon Jamod Municipal Council, Maharashtra
126	Mr. Pankaj Kakad	Planning Assistant	Khamgaon Municipal Council, Maharashtra
127	Mr. Ajay Rathod	CLTC Engineer	Nandura Municipal Council, Maharashtra
128	Mr. Saurabh Tembhikar	CLTC Engineer	Buldhana Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
129	Mr. Mangesh Gawali	CLTC Engineer	Motala Municipal Council, Maharashtra
130	Mr. Sayyad Faisal Faheem	CLTC Engineer	Kamptee Municipal Council, Maharashtra
131	Mr. Yash Agrawal	CLTC Engineer	Daryapur Municipal Council, Maharashtra
132	Ms. Aishwarya Maldhure	CLTC Engineer	Chikhaldara Municipal Council, Maharashtra
133	Ms. Monika Thote	CLTC Engineer	MHADA Nagpur, Maharashtra
134	Mr. Ahmad Sarfaraz	MIS Expert	Kamptee Municipal Council, Maharashtra

Regional Specialized Training Programme on

Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS

29th July 2022 in Pune, Maharashtra

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Ravindra Barde	CLTC Engineer	Pathardi Municipal Council, Maharashtra
2	Mr. Avdhut Kadam	CLTC Engineer	Karjat Municipal Council, Maharashtra
3	Mr. Kiran Bhoge	CLTC Engineer	Jamkhed Municipal Council, Maharashtra
4	Mr. Vishal Tanpure	MIS Specialist	Shrirampur Municipal Council, Maharashtra
5	Mr. Ashish Shirole	CLTC Engineer	Shrirampur Municipal Council, Maharashtra
6	Mr. Attar Isuf	CLTC Engineer	Shevgaon Municipal Council, Maharashtra
7	Mr. Vikas Jondhale	CLTC Engineer	Sangamner Municipal Council, Maharashtra
8	Mr. Rahul Adhav	CLTC Engineer	Newasa Municipal Council, Maharashtra
9	Mr. Pranav Kadam	CLTC Engineer	Deoli Pravara Municipal Council, Maharashtra
10	Mr. Ganesh Kokate (ATP)	Town Planner	Shirdi Municipal Council, Maharashtra
11	Mr. Pratik Gundecha	CLTC Engineer	Ahmednagar Municipal Corporation, Maharashtra
12	Mr. Prashant Jagtap	CLTC Engineer	Shirgonda Municipal Council, Maharashtra
13	Mr. Shoaib Shaikh	CLTC Engineer	Shindkheda Municipal Council, Maharashtra
14	Mr. Baba Shirsath	CLTC Engineer	Sakri Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Rajat Agrawal	CLTC Engineer	Dhule Municipal Corporation, Maharashtra
16	Mr. Parmeshwar Ghuge	CLTC Engineer	Dondaicha Warwade Municipal Council, Maharashtra
17	Mr. Vikrant Chaudhari	CLTC Engineer	Dharangaon Municipal Council, Maharashtra
18	Mr. Vijendra Nikam	CLTC Engineer	Pachora Municipal Council, Maharashtra
19	Mr. Bhushan Mahajan	CLTC Engineer	Erandol Municipal Council, Maharashtra
20	Mr. Jagdish Mahajan	CLTC Engineer	Faizpur Municipal Council, Maharashtra
21	Mr. Bhushan Mahajan	CLTC Engineer	Parola Municipal Council, Maharashtra
22	Mr. Manish Chavhan	CLTC Engineer	Varangaon Municipal Council, Maharashtra
23	Mr. Sagar Mahajan	CLTC Engineer	Bhadgaon Municipal Council, Maharashtra
24	Mr. Vaibhav Patil	CLTC Engineer	Bhusawal Municipal Council, Maharashtra
25	Mr. Vitthal Patil	CLTC Engineer	Shendurni Municipal Council, Maharashtra
26	Mr. Vinay Khakke	CLTC Engineer	Savda Municipal Council, Maharashtra
27	Mr. Ajinkya Shimpi	CLTC Engineer	Chopda Municipal Council, Maharashtra
28	Mr. Swapnil Dhangar	MIS Specialist	Chopda Municipal Council, Maharashtra
29	Mr. Dhiraj Patil	CLTC Engineer	Amalner Municipal Council, Maharashtra
30	Mr. Chandrakant Songire (SE)	Nodal Officer	Jalgaon Municipal Corporation, Maharashtra
31	Mr. Vishal Wankhede	CLTC Engineer	Yawal Municipal Council, Maharashtra
32	Mr. Sachin Zope	CLTC Engineer	Muktai Nagar Municipal Council, Maharashtra
33	Mr. Harish Navandar	CLTC Engineer	Igatpuri Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
34	Mr. Makarand Kulkarni	CLTC Engineer	Niphad Municipal Council, Maharashtra
35	Mr. Amit Bramhankar	CLTC Engineer	Trimbak Municipal Council, Maharashtra
36	Mr. Sachin Ahirrao	CLTC Engineer	Satana Municipal Council, Maharashtra
37	Mr. Mahesh Nehe	MIS Specialist	Malegaon Municipal Corporation, Maharashtra
38	Mr. Bharat Bhandarkar	CLTC Engineer	Malegaon Municipal Corporation, Maharashtra
39	Mr. Zishan Khan	CLTC Engineer	Chandwad Municipal Council, Maharashtra
40	Mr. Atmaram Odhekar	CLTC Engineer	Manmad Municipal Council, Maharashtra
41	Mr. Paresh Nerkar	CLTC Engineer	Kalwan Municipal Council, Maharashtra
42	Mr. Suraj Shinde	CLTC Engineer	Dindori Municipal Council, Maharashtra
43	Mr. Sudarshan Lokhande	CLTC Engineer	Sinnar Municipal Council, Maharashtra
44	Mr. Roshan Chavan	MIS Specialist	Sinnar Municipal Council, Maharashtra
45	Mr. Kunal Sangle	CLTC Engineer	Peth Municipal Council, Maharashtra
46	Mr. Nitin Aher	CLTC Engineer	Yeola Municipal Council, Maharashtra
47	Mr. Prasad Deshmukh	CLTC Engineer	Indapur Municipal Council, Maharashtra
48	Ms. Karuna Gaikwad	MIS Specialist	Lonavala Municipal Council, Maharashtra
49	Ms. Sonal Gavate	CLTC Engineer	Jejuri Municipal Council, Maharashtra
50	Mr. Riyaz Kazi	MIS Specialist	Baramati Municipal Council, Maharashtra
51	Mr. Vikram Balgude	CLTC Engineer	Baramati Municipal Council, Maharashtra
52	Ms. Poonam Gare	CLTC Engineer	Bhor Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
53	Mr. Manojkumar Jagtap	CLTC Engineer	Saswad Municipal Council, Maharashtra
54	Mr. Gunjan Mahajan	CLTC Engineer	Rajgurunagar Municipal Council, Maharashtra
55	Mr. Prashant Shelar	CLTC Engineer	Shirur Municipal Council, Maharashtra
56	Mr. Prakash Vanve	CLTC Engineer	Junnar Municipal Council, Maharashtra
57	Mr. Vishal Tatar	CLTC Engineer	Chakan Municipal Council, Maharashtra
58	Ms. Anjali Rodage	CLTC Engineer	Daund Municipal Council, Maharashtra
59	Mr. Pratik Gandhi	TL Procurement Expert	Pimpri Chinchwad Municipal Corporation, Maharashtra
60	Mr. Partha Kandukuri	MIS Specialist	Pimpri Chinchwad Municipal Corporation, Maharashtra
61	Mr. Mithil Patil	CLTC Engineer	Alandi Municipal Council, Maharashtra
62	Mr. Omkar Shinde	Consultant	PMRDA, Pune, Maharashtra
63	Mr. Munir Ahmad M. Rafiq Langardar	CLTC Engineer	Shirala Municipal Council, Maharashtra
64	Mr. Akshay Pisal	CLTC Engineer	Kadegon Municipal Council, Maharashtra
65	Mr. Jainullakhan Pathan	CLTC Engineer	Khanapur Municipal Council, Maharashtra
66	Mr. Shahrukh Tamboli	CLTC Engineer	Palus Municipal Council, Maharashtra
67	Mr. Prasad Jamsandekar	MIS Specialist	Sangli Miraj Kupwad City Municipal Corporation, Maharashtra
68	Mr. Vaibhav Chougule	CLTC Engineer	Jat Municipal Council, Maharashtra
69	Mr. Vasim Tamboli	CLTC Engineer	Ashta Municipal Council, Maharashtra
70	Mr. Nitin Takale	CLTC Engineer	Vita Municipal Council, Maharashtra
71	Mr. Ashwin Kokane	CLTC Engineer	Tasgaon Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
72	Mr. Pankaj Gavare	CLTC Engineer	Kavathe Mahakal Municipal Council, Maharashtra
73	Mr. Dhanaji Patil	CLTC Engineer	Islampur Municipal Council, Maharashtra
74	Mr. Shubham Bhutkar	CLTC Engineer	Mhaswad Municipal Council, Maharashtra
75	Mr. Bhushan Lanke	MIS Specialist	Satara Municipal Council, Maharashtra
76	Mr. Mangesh Gore	CLTC Engineer	Madha Municipal Council, Maharashtra
77	Mr. Asif Altaf Bagwan	CLTC Engineer	Mahabaleshwar Municipal Council, Maharashtra
78	Ms. Ashwini Phadatare	CLTC Engineer	Dahiwadi Municipal Council, Maharashtra
79	Mr. Nitin Jadhav	CLTC Engineer	Wai Municipal Council, Maharashtra
80	Mr. Abhishek Kolekar	CLTC Engineer	Rahimatpur Municipal Council, Maharashtra
81	Mr. Vaibhav Babar	CLTC Engineer	Khandala Municipal Council, Maharashtra
82	Ms. Vaibhavi Desai	CLTC Engineer	Phaltan Municipal Council, Maharashtra
83	Ms. Mugdha Doiphode	CLTC Engineer	Lonand Municipal Council, Maharashtra
84	Mr. Umesh Chikane	CLTC Engineer	Panchagani Giristhan Municipal Council, Maharashtra
85	Ms. Vinaya Kandalkar	CLTC Engineer	Vaduj Municipal Council, Maharashtra
86	Mr. Rajat Kamble	CLTC Engineer	Koregaon Municipal Council, Maharashtra
87	Mr. Shivprasad Khandalkar	CLTC Engineer	Patan Municipal Council, Maharashtra
88	Mr. Yogesh Doke	CLTC Engineer	Mohol Municipal Council, Maharashtra
89	Mr. Gaurav Kavathale	CLTC Engineer	Barshi Municipal Council, Maharashtra
90	Mr. Tejas Hotkar	CLTC Engineer	Barshi Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
91	Mr. Audumbar Nalwade	MIS Specialist	Barshi Municipal Council, Maharashtra
92	Mr. Vishal Bedage	CLTC Engineer	Madha Municipal Council, Maharashtra
93	Mr. Avinash Shendge	CLTC Engineer	Akkalkot Municipal Council, Maharashtra
94	Mr. Tejas Suryawanshi	CLTC Engineer	Mangalwedha Municipal Council, Maharashtra
95	Mr. Sangramsinh Bagal	CLTC Engineer	Kurduwadi Municipal Council, Maharashtra
96	Mr. Amit Kore	CLTC Engineer	Sangole Municipal Council, Maharashtra
97	Mr. Shrikant Lalge	Chief Officer	Maindargi Municipal Council, Maharashtra
98	Mr. Sankalp Shahane	CLTC Engineer	Karmala Municipal Council, Maharashtra
99	Mr. Nikhil Shinde	CLTC Engineer	Malshiras Municipal Council, Maharashtra
100	Mr. Naganath Padamgonde	CLTC Engineer	Solapur Municipal Corporation, Maharashtra
101	Mr. Atish Walunj	Chief Officer	Dudhani Municipal Council, Maharashtra
102	Mr. Rahul Buva	CLTC Engineer	Vadgoan Municipal Council, Maharashtra
103	Mr. Aniket Bhosale	CLTC Engineer	Kurundwad Municipal Council, Maharashtra
104	Mr. Pramod Farakate	CLTC Engineer	Gadhinglaj Municipal Council, Maharashtra
105	Mr. Amit Gat	CLTC Engineer	Hupari Municipal Council, Maharashtra
106	Mr. Rahul Chougule	CLTC Engineer	Jaysingpur Municipal Council, Maharashtra
107	Mr. Pratik Patil	CLTC Engineer	Murgud Municipal Council, Maharashtra
108	Mr. Harshavardhan Patil	MIS Specialist	Ichalkaranji Municipal Council, Maharashtra
109	Mr. Yogesh Patil	MIS Specialist	Kolhapur Municipal Corporation, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
110	Mr. Sachin Bhosale	CLTC Engineer	Kagal Municipal Council, Maharashtra
111	Mr. Sayed Naveed S. Naseer	CLTC Engineer	Lohara Municipal Council, Maharashtra
112	Mr. Balaji Yadav	CLTC Engineer	Paranda Municipal Council, Maharashtra
113	Mr. Pradeep Gholve	CLTC Engineer	Tuljapur Municipal Council, Maharashtra
114	Mr. Samir Mokashi	CLTC Engineer	Naldurg Municipal Council, Maharashtra
115	Mr. Rohitkumar Itkar	CLTC Engineer	Bhoom Municipal Council, Maharashtra
116	Ms. Snehal Gadekar	CLTC Engineer	Purna Municipal Council, Maharashtra
117	Mr. Gourav Vade	CLTC Engineer	Murum Municipal Council, Maharashtra
118	Mr. Nilesh Tadakhe	CLTC Engineer	Karad Municipal Council, Maharashtra
119	Mr. Vishal Dhore	CLTC Engineer	Mahur Municipal Council, Maharashtra
120	Mr. Sagar Shinde	CLTC Engineer	Sangli Miraj Kupwad City Municipal Corporation, Maharashtra
121	Mr. Sagar Deshpande	CLTC Engineer	Sonpeth Municipal Council, Maharashtra
122	Mr. Yogiraj Mundhe	CLTC Engineer	Aundha Nagnath Municipal Council, Maharashtra
123	Ms. Savita Kute	CLTC Engineer	Kalmnoori Municipal Council, Maharashtra
124	Mr. Rahul Saturwar	CLTC Engineer	Kinwad Municipal Council, Maharashtra
125	Mr. Pavan Puri	CLTC Engineer	Jalgaon Municipal Corporation, Maharashtra
126	Mr. Sanket Ingole	CLTC Engineer	Palam Municipal Council, Maharashtra
127	Mr. Padmesh Kulkarni	CLTC Engineer	Pune Municipal Corporation, Maharashtra
128	Mr. Santosh Taware	Section Engineer	PMRDA, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
129	Ms. Chaitrali Salunke	MIS Expert	Talegaon Dabhade Municipal Council, Maharashtra
130	Mr. Sushil Shelke	CLTC Engineer	Kallam Municipal Council, Maharashtra
131	Mr. Jay shelar	Concerned Municipal Official	Pune Municipal Corporation, Maharashtra
132	Mr. Fayor Shaikh	Concerned Municipal Official	Pune Municipal Corporation, Maharashtra
133	Mr. Akash Mandavkar	Concerned Municipal Official	Pune Municipal Corporation, Maharashtra
134	Mr. Ranganath Sherkar	CLTC Engineer	Washi Municipal Council, Maharashtra
135	Mr. Nitin Sawant	CLTC Engineer	PMRDA, Maharashtra
136	Mr. Sumit Kuralkar	CLTC Engineer	Talegaon Dabhade Municipal Council, Maharashtra
137	Mr. Ankit Kumar	MIS Specialist	PMRDA, Maharashtra
138	Mr. Nilesh Patil	CLTC Engineer	MHADA
139	Mr. Ganesh Mahajan	CLTC Engineer	MHADA
140	Ms. Swati Mehta	CLTC Engineer	MHADA
141	Mr. Ganesh Iyer	CLTC Engineer	MHADA
142	Mr. Tushar Bhoir	CLTC Engineer	MHADA
143	Ms. Pooja Kapile	CLTC Engineer	MHADA
144	Mr. Vishwanath Sabani	CLTC Engineer	MHADA
145	Mr. Tushar Charan	CLTC Engineer	MHADA
146	Mr. Bhavesh Tiruva	CLTC Engineer	MHADA
147	Mr. Kunal Sawant	CLTC Engineer	MHADA

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
148	Mr. Avinash Mormare	CLTC Engineer	MHADA
149	Mr. Chetan Pachkude	CLTC Engineer	MHADA
150	Mr. Akshay Rajeshirke	CLTC Engineer	MHADA
151	Mr. Tagarnath Chipkar	CLTC Engineer	MHADA
152	Mr. Rakesh Dhopate	CLTC Engineer	MHADA
153	Ms. Sunita Margade	CLTC Engineer	MHADA
154	Ms. Selma D'sousa	CLTC Engineer	MHADA
155	Ms. Nirmiti Khot	CLTC Engineer	MHADA

Regional Specialized Web-Based Training Programme on

Financial Reforms at ULB Level

4th - 5th August 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Ms. Muskan	Concerned Municipal Official	AIILSG, Jodhpur, Rajasthan
2	Ms. Hiral Chouhan	Representative of NGO	AIILSG, Jodhpur, Rajasthan
3	Ms. Archana Kalyana	Concerned Municipal Official	Udaipur Municipal Corporation, Rajasthan
4	Ms. Rashmi Soni	Concerned Municipal Official	Jodhpur Municipal Corporation, Rajasthan
5	Mr. Chirag Chouhan	MIS/ IT Expert	Dhandhuka Municipal Council, Gujarat
6	Mr. Shravan Kumar Solanki	Municipal Engineer	Sumerpur Municipal Council, Rajasthan
7	Mr. Yogiraj Gosavi	Chief Officer	Ponda Municipal Council, Goa
8	Mr. Tasvir Makwana	Representative of NGO	AIILSG, Ahmedabad, Gujarat
9	Ms. Mala Chanal	Community Organizer	Chhoti Sadari Municipal Council, Rajasthan
10	Mr. Rahul Gaur	Concerned Municipal Official	AIILSG, Jodhpur, Rajasthan
11	Ms. Priyanka Khanna	Sr. Chemist	Ajmer Municipal Corporation, Rajasthan
12	Ms. Sagnika Banik	Supervisor (SLRM)	Khowai Municipal Council, Tripura
13	Ms. Jameelabegum Eathakula	Social Worker	Swavalamban Samajvikas Sanstha, Mumbai, Maharashtra
14	Mr. Pratap Dan	Community Organizer	Sadri Municipal Council, Rajasthan

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Saugat Chakraborty	SBM Expert	Khowai Municipal Council, Tripura
16	Ms. Tamanna Chouhan	Course Co-ordinator	AIILSG, Jodhpur, Rajasthan
17	Mr. Rajesh Vyas	Concerned Municipal Official	AIILSG, Rajkot, Rajasthan
18	Mr. Babu Katariya	Dy. Accountant	Songadh Municipal Council, Gujarat
19	Mr. Yogesh kachhawha	Representative of NGO	AIILSG, Jodhpur, Rajasthan
20	Dr. Pratik Vyas	Center Incharge	AIILSG, Bhavnagar, Gujarat
21	Mr. Sagar Gurmule	CLTC Engineer	Narkhed Municipal Council, Maharashtra
22	Mr. Rajesh Vaghela	Concerned Municipal Official	Rajkot Municipal Corporation, Gujarat
23	Mr. Jagdish Choudhary	Representative of NGO	AIILSG, Jodhpur, Rajasthan
24	Mr. Arun Gaur	Accountant	AIILSG, Jodhpur, Rajasthan
25	Mr. krishna pal	Representative of NGO	AIILSG, Jodhpur, Rajasthan
26	Mr. Digvijay Suryavanshi	Mayor	Sangli Miraj Kupwad City Municipal Corporation, Maharashtra
27	Mr. Nikunj Manilal	Accountant	Mundra-Baroi Municipal Council, Gujarat
28	Mr. Nareshbhai Muniya	Chief Officer	Dhandhuka Municipal Council, Gujarat
29	Ms. Merlyn Dsa	Elected Representative	Mira Bhaindar Municipal Corporation, Maharashtra
30	Mr. Dinesh Prajapati	Multi-Purpose Health Worker	Ahmedabad Municipal Corporation, Gujarat
31	Ms. Kirti Lakhtariya	Accountant	Rajkot Municipal Corporation, Gujarat
32	Mr. Ashwin Pandya	Representative of NGO	Parivartan Seva Trust, Ahmedabad, Gujarat

Regional Specialized Web-Based Training Programme on

Urban Environment and Climate Change

13th - 14th October 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Abul Hassan	Representative of NGO	Swacchta Sanwardhan Sanstha Mahasangh, Mumbai, Maharashtra
2	Mr. Ajit Gujarathi	Municipal Engineer	Sangli Miraj Kupwad City Municipal Corporation, Maharashtra
3	Mr. Anand Jagtap	Officer on Special Duty	Brihanmumbai Municipal Corporation, Maharashtra
4	Mr. Anil Kshirsagar	Assistant Engineer	Brihanmumbai Municipal Corporation, Maharashtra
5	Mr. Arun Gaur	Concerned Municipal Official	AIIISG, Jodhpur, Rajasthan
6	Mr. Ashwin Pandya	Project Associate	Ahmedabad Municipal Corporation, Gujarat
7	Mr. Balaji Shinde	Representative of NGO	Navatarun Mitra Mandal, Mumbai, Maharashtra
8	Mr. Chandrashekhar Mahajan	Office Superintendent	Himayatnagar Municipal Council, Maharashtra
9	Mr. Dineshkumar Prajapati	Multi-Purpose Health Worker	Mahemdabad Municipal Council, Gujarat
10	Mr. Fulesh Desai	Concerned Municipal Official	Ahmedabad Municipal Corporation, Gujarat
11	Mr. Ganesh Chandolkar	Municipal Engineer	Brihanmumbai Municipal Corporation, Maharashtra
12	Mr. Ganesh Gadhari	City Coordinator	Amalner Municipal Council, Maharashtra
13	Ms. Hiral Chouhan	Concerned Municipal Official	Jodhpur Municipal Corporation, Rajasthan
14	Ms. Jameelabegum Eathakula	Representative of NGO	Swavalamban Samajvikas Sanstha, Mumbai, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Janardan Paradkar	Representative of NGO	Vighnarthartha Sanstha, Mumbai, Maharashtra
16	Mr. Kamalkishor Parmar	Public Health Supervisor	Ahmedabad Municipal Corporation, Gujarat
17	Mr. Krishna Pal Singh	City Coordinator	Jodhpur Municipal Corporation, Rajasthan
18	Mr. Digvijay Suryavanshi	Hon'ble Mayor	Sangli Miraj Kupwad Municipal Corporation, Maharashtra
19	Ms. Meena Kamble	Representative of NGO	Swachhta Sanvardhan Sanstha Mahasangh, Mumbai, Maharashtra
20	Ms. Muskan Khitoliya	Concerned Municipal Official	Jodhpur Municipal Corporation, Rajasthan
21	Mr. Narendra Pagare	Officer on Special Duty	Brihanmumbai Municipal Corporation, Maharashtra
22	Mr. Avdhut Kadam	Municipal Engineer	Karjat Municipal Council, Maharashtra
23	Mr. Vishal Raval	Sanitary Inspector	Himatnagar Municipal Council, Gujarat
24	Mr. Pankaj Gonge	Municipal Engineer	Brihanmumbai Municipal Corporation, Maharashtra
25	Mr. Prakash Rao	Concerned Municipal Official	Jodhpur Municipal Corporation, Rajasthan
26	Mr. Rahul Gaur	Concerned Municipal Official	Jodhpur Municipal Corporation, Rajasthan
27	Mr. Rajendra Shinde	Municipal Engineer	Nashik Municipal Corporation, Maharashtra
28	Ms. Rajkumari Vhatkar	Representative of NGO	Swastik Mahila Foundation, Mumbai, Maharashtra
29	Mr. Satish Bhosle	Representative of NGO	Shivratan Sewa Mandal, Mumbai, Maharashtra
30	Mr. Siddiqui Misbah	Municipal Engineer	Mudkhed Municipal Council, Maharashtra
31	Mr. Sikandar Wankhede	Representative of NGO	Janseva Sanstha, Mumbai, Maharashtra
32	Ms. Swati	Executive Officer	Surajgarh Municipal Council, Rajasthan
33	Ms. Tamanna Chouhan	Concerned Municipal Official	AILLSG, Jodhpur, Rajasthan

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
34	Mr. Tasvir Makwana	Concerned Municipal Official	Ahmedabad Municipal Corporation, Gujarat
35	Mr. Tejas Patel	Concerned Municipal Official	Ahmedabad Municipal Corporation, Gujarat
36	Ms. Vishakha Sawant	Head of Department (Environment)	Ulhasnagar Municipal Corporation, Maharashtra

Regional Specialized Web-Based Training Programme on

National Urban Livelihoods Mission (NULM)

2nd - 3rd November 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Ms. Gita Gawande	City Mission Manager	Umred Municipal Council, Maharashtra
2	Ms. Rosy Ingtipi	Community Organizer	Bakulia Municipal Board, Assam
3	Mr. Himanshu Gogoi	Community Organizer	Margherita Municipal Board, Assam
4	Mr. Debabrata Bhowmik	State Mission Manager	Agartala Municipal Corporation, Tripura
5	Mr. Bipul Barman	Community Organizer	Basugaon Municipal Board, Assam
6	Mr. Jayanta Nama	Community Organizer	Melaghar Municipal Council, Tripura
7	Mr. Anjan Jyoti Baruah	City Project Manager	Biswanath Chariali Municipal Board, Assam
8	Mr. Sayed Naushad Zaman	Community Organizer	Sarupathar Municipal Board, Assam
9	Ms. Rajia Samim Galib	Community Organizer	Chabua Municipal Board, Assam
10	Ms. Diksha Dey	Community Organizer	Dhing Municipal Board, Assam
11	Mr. Eteeven Dutta	Community Organizer	Bihpuria Municipal Board, Assam
12	Ms. Longkiri Lekthe	Community Organizer	Bokajan Municipal Board, Assam
13	Ms. Sumitra Das	Community Organizer	Hojai Municipal Board, Assam
14	Ms. Mrinal Nath	Community Organizer	Kampur Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Jayanta Chetia	Community Organizer	Simaluguri Municipal Board, Assam
16	Mr. Kuladeep Bora	Community Organizer	Kharupetia Municipal Board, Assam
17	Ms. Rituparna Das	Community Organizer	Dergaon Municipal Board, Assam
18	Mr. Sahil Kumar Phonglo	Community Organizer	Umrongso Municipal Board, Assam
19	Mr. Partha Sarma	Community Organizer	Guwahati Municipal Corporation, Assam
20	Ms. Ruma Banik	Community Organizer	Nagaon Municipal Board, Assam
21	Mr. Laya Bhuyan	City Project Manager	Nagaon Municipal Board, Assam
22	Mr. Surajit Datta	Concerned Municipal Official	Agartala Municipal Corporation, Tripura
23	Mr. Subham Saha	City Mission Manager	Kamalpur Municipal Council, Tripura
24	Mr. Rajib Das	City Mission Manager	Agartala Municipal Corporation, Tripura
25	Mr. Budha Debbarma	Community Organizer	Agartala Municipal Corporation, Tripura
26	Mr. Rajat Kanti Dey	State Mission Manager	Agartala Municipal Corporation, Tripura
27	Mr. Abhijit Das	City Mission Manager	Melaghar Municipal Council, Tripura
28	Ms. Mousumi Majumder	City Mission Manager	Bishalgarh Municipal Council, Tripura
29	Mr. Uttam Das	City Mission Manager	Kailashahar Municipal Council, Tripura
30	Ms. Ranjana Modak	Representative of NGO	Tanvi Mahila Bachat Gat, Bhadrawati, Maharashtra
31	Ms. Anjana Kumbhar	Community Organizer	Karad Municipal Council, Maharashtra
32	Mr. Vijay Talekar	City Mission Manager	Kolhapur Municipal Corporation, Maharashtra
33	Mr. Nabajyoti Pathak	Community Organizer	Pathshala Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
34	Ms. Jyoti Waghmare	City Mission Manager	Deglur Municipal Council, Maharashtra
35	Ms. Ujjwala Pokale	Asst. Project Officer	Chandur Railway Municipal Council, Maharashtra
36	Ms. Pranaya Dodal	Asst. Project Officer	Kalamnuri Municipal Council, Maharashtra
37	Mr. Ritesh Bhojar	Project Officer	Chandrapur Municipal Council, Maharashtra
38	Mr. Gaurav Mantri	City Mission Manager	Sangamner Municipal Council, Maharashtra
39	Ms. Trupti Nimje	Asst. Project Officer	Mouda Municipal Council, Maharashtra
40	Mr. Ramesh Utpure	Asst. Project Officer	Mehkar Municipal Council, Maharashtra
41	Ms. Vandana Surkar	Asst. Project Officer	Warud Municipal Council, Maharashtra
42	Ms. Anita Shaha	Representative of NGO	Shanti Mahila Bachat Gat, Maharashtra
43	Ms. Asha Sonwane	Community Organizer	Parbhani Municipal Corporation, Maharashtra
44	Mr. Dharmendra Gajbhiye	Asst. Project Officer	Mahadula Municipal Council, Maharashtra
45	Mr. Sasanka Bora	Community Organizer	Teok Municipal Board, Assam
46	Mr. Dhammpal Pandit	City Mission Manager	Washim Municipal Council, Maharashtra
47	Ms. Trupti Hiradeve	Representative of NGO	Prerana Mahila Bachat Gat, Bhadravati, Maharashtra
48	Mr. Pragjyoti Khanikar	Community Organizer	Dhakuakhana Municipal Board, Assam
49	Mr. Ravi Rathod	Community Organizer	Thane Municipal Corporation, Maharashtra
50	Mr. Rupak Debnath	City Mission Manager	Panisagar Municipal Council, Tripura
51	Mr. Babul Das	Community Organizer	Mohanpur Municipal Council, Tripura
52	Ms. Gonitha Nunisa	Community Organizer	Haflong Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
53	Mr. Bikash Sonowal	Community Organizer	Dibrugarh Municipal Board, Assam
54	Ms. Rajashree Dutta Bania	Community Organizer	Biswanath Chariali Municipal Board, Assam
55	Mr. Nilesh Dange	State Mission Manager	DMA, Mumbai, Maharashtra
56	Mr. Mahajbeen Gafoor Shaikh	Asst. Project Officer	Tuljapur Municipal Council, Maharashtra
57	Ms. Vaishali Patil	Asst. Project Officer	Alandi Municipal Council, Maharashtra
58	Mr. Rahul Chakraborty	City Mission Manager	Dharmanagar Municipal Council, Tripura
59	Ms. Jyoti Lalsare	Community Organizer	Bhadrawati Municipal Council, Maharashtra
60	Ms. Jasmin Madhale	Asst. Project Officer	Saswad Municipal Council, Maharashtra
61	Ms. Mousumi Dey	Community Organizer	Dhubri Municipal Board, Assam
62	Mr. Rupayan Debnath	City Mission Manager	Ranirbazar Municipal Council, Maharashtra
63	Mr. Prakash Darade	City Mission Manager	Thane Municipal Corporation, Maharashtra
64	Mr. Jeevanjyoti Kadhao	Community Organizer	Mohpa Municipal Council, Maharashtra
65	Mr. Shiladitya Narzary	City Mission Manager	Kokrajhar Municipal Council, Assam
66	Ms. Suravi Brahma	Community Organizer	Kokrajhar Municipal Council, Assam
67	Ms. Rachana Parte	Community Organizer	Roha Municipal Council, Maharashtra
68	Mr. Rajdeep Dasgupta	Community Organizer	Lumding Municipal Board, Assam
69	Ms. Jaya Das	Community Organizer	Nagaon Municipal Board, Assam
70	Ms. Gitu Moni Hazarika	Community Organizer	Mariani Municipal Board, Assam
71	Ms. Jecinta Ingtipi	Community Organizer	Langhin Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
72	Ms. Minara Begum	Community Organizer	Dabaka Municipal Board, Assam
73	Ms. Sarmistha	Community Organizer	Amarpur Municipal Council, Tripura
74	Mr. Nabajyoti Sarkar	Community Organizer	Agartala Municipal Corporation, Tripura
75	Mr. Sandip Sinha	Community Organizer	Kailashahar Municipal Council, Tripura
76	Ms. Sanhita Bhowmik	Community Organizer	Agartala Municipal Corporation, Tripura
77	Mr. Subodh Ranjan Kalai	Community Organizer	Agartala Municipal Corporation, Tripura
78	Ms. Sajoti bhattacharjee	City Mission Manager	Agartala Municipal Corporation, Tripura
79	Ms. Anita Karle	Asst. Project Officer	Chandurbazar Municipal Council, Maharashtra
80	Ms. Gouri Debnath	Community Organizer	Agartala Municipal Corporation, Tripura
81	Ms. Pinki Deb	Community Organizer	Jirania Municipal Council, Tripura
82	Ms. Riya Basfore	City Mission Manager	Agartala Municipal Corporation, Tripura
83	Dr. Pratik vyas	Concerned Municipal Official	AIIILSG, Bhavnagar, Gujarat
84	Ms. Rekha Tapse	Community Organizer	Parbhani Municipal Corporation, Maharashtra
85	Mr. Chinku Das	Community Organizer	Barpeta Municipal Board, Assam
86	Mr. Arjun Zate	Community Organizer	Parbhani Municipal Corporation, Maharashtra
87	Ms. Anindita Bhoumik	City Mission Manager	Santirbazar Municipal Council, Tripura
88	Mr. Anna Gadekar	City Mission Manager	Pune Municipal Corporation, Maharashtra
89	Mr. Sandip Agone	City Mission Manager	Manmad Municipal Council, Maharashtra
90	Mr. Sanju Sondawale	Asst. Project Officer	Khultabad Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
91	Mr. Piyash Das	City Mission Manager	Ambassa Municipal Council, Tripura
92	Mr. Nikunj Rajyaguru	City Mission Manager	Rajkot Municipal Corporation, Gujarat
93	Ms. Sukmini Basumatary	Community Organizer	Kajalgaon Municipal Board, Assam
94	Ms. Anyeng Resho Rengma	Community Organizer	Howraghat Town Committee, Assam
95	Ms. Sansuma Daimari	Community Organizer	Goreswar Municipal Board, Assam
96	Ms. Promila Teronpi	Community Organizer	Diphu Municipal Board, Assam
97	Ms. Bhanita Baishya	Community Organizer	Udalguri Municipal Board, Assam
98	Mr. Neqeeb Umar Sk	Community Organizer	Bilasipara Municipal Board, Assam
99	Ms. Serlika Kramsapi	Community Organizer	Donkamokam Municipal Board, Assam
100	Ms. Songjalın Rongpharpi	Community Organizer	Dokmoka Municipal Board, Assam
101	Mr. Barnali Barman	Community Organizer	Chapar Municipal Board, Assam
102	Mr. Dhanraj Bankar	City Mission Manager	Gondia Municipal Corporation, Maharashtra
103	Mr. Dileep Gaikwad	City Mission Manager	Lonavala Municipal Council, Maharashtra
104	Mr. Vikram Joshi	Asst. Project Officer	Shirdi Municipal Council, Maharashtra
105	Ms. Mansi Bhapkar	City Mission Manager	Nandurbar Municipal Council, Maharashtra
106	Mr. Sausthab Bhaumik	Community Organizer	Santirbazar Municipal Council, Tripura
107	Mr. Bir Sadhan	Community Organizer	Agartala Municipal Corporation, Tripura
108	Ms. Bandana Naiding	Community Organizer	Mahur Municipal Board, Assam
109	Mr. Vishal Gudsurkar	City Mission Manager	Udgir Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
110	Ms. Madhavi Jagadale	Asst. Project Officer	Panchgani Hill station Municipal Council, Maharashtra
111	Ms. Amruta Dixit	Asst. Project Officer	Rahimatpur Municipal Council, Maharashtra
112	Mr. Satish Khebale	City Mission Manager	Parli Vaijnath Municipal Council, Maharashtra
113	Ms. Shruti Bhusari	Asst. Project Officer	Kaij Municipal Council, Maharashtra
114	Mr. Dilip Tambare	City Mission Manager	Ambajogai Municipal Council, Maharashtra
115	Ms. Shital Solanke	Asst. Project Officer	Manwat Municipal Council, Maharashtra
116	Mr. Amol Bhogale	Asst. Project Officer	Kankavali Municipal Council, Maharashtra
117	Ms. Sarita Gondane	Asst. Project Officer	Pauni Municipal Council, Maharashtra
118	Mr. Ashok Fasate	City Mission Manager	Pimpri Chinchwad Municipal Corporation, Maharashtra
119	Mr. Kumar Sarwade	Asst. Project Officer	Devrukh Municipal Council, Maharashtra
120	Mr. Nandkumar Ubale	City Mission Manager	Pusad Municipal Council, Maharashtra
121	Mr. Anil Jirapure	City Mission Manager	Yavatmal Municipal Council, Maharashtra
122	Ms. Anita Chandrahas	Community Organizer	Jalna Municipal Corporation, Maharashtra
123	Ms. Vidya Sarode	Community Organizer	Faizpur Municipal Council, Maharashtra
124	Ms. Bhanita Das Patowary	Community Organizer	Rangapara Municipal Board, Assam
125	Mr. Utpal Saikia	Community Organizer	Makum Municipal Board, Assam
126	Ms. Rakhi Sarkar	Community Organizer	Amarpur Municipal Council, Tripura
127	Mr. Rafiyoddin Mas	City Mission Manager	Parbhani Municipal Corporation, Maharashtra
128	Mr. Anant Kudale	Asst. Project Officer	Dharmabad Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
129	Mr. Sanswring Brahma	Community Organizer	Tangla Municipal Board, Assam
130	Ms. Nazvi Naseem	Community Organizer	Palashbari Municipal Board, Assam
131	Ms. Jayshree Khurd	Community Organizer	Pimpri Chinchwad Municipal Corporation, Maharashtra
132	Mr. Uttam Hapse	City Mission Manager	Wani Municipal Council, Maharashtra
133	Mr. Arjun Ghode	Community Organizer	Alandi Municipal Council, Maharashtra
134	Mr. Mahdiul Islam Laskar	Community Organizer	Badarpur Municipal Board, Assam
135	Mr. Tarikul Islam Barbhuiya	Community Organizer	Hailakandi Municipal Board, Assam
136	Mr. Shaikh Baba	City Mission Manager	Parbhani Municipal Corporation, Maharashtra
137	Mr. Pratim Deb	State Mission Manager	Agartala Municipal Corporation, Tripura
138	Mr. Darlongsai Reang	Community Organizer	Sabroom Municipal Council, Maharashtra
139	Mr. Sunil Patil	Asst. Project Officer	Murgud Municipal Council, Maharashtra
140	Ms. Manjusha Jadhav	Asst. Project Officer	Loha Municipal Council, Maharashtra
141	Ms. Renuka Kapuskar	Community Organizer	Amaravati Municipal Corporation, Maharashtra
142	Mr. Deep Chandan Baruah	Community Organizer	Bokakhat Municipal Board, Assam
143	Mr. Kiran Debnath	Community Organizer	Gohpur Municipal Board, Assam
144	Mr. Prakash Jyoti Das	Community Organizer	Sorbhog Municipal Board, Assam
145	Ms. Nandita Bhuyan	Community Organizer	Narayanpur Municipal Board, Assam
146	Mr. Farook Abdullah	Community Organizer	Mangaldai Municipal Board
147	Mr. Biswajit Ojah	Community Organizer	Sarthebari Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
148	Mr. Julen Gogoi	Community Organizer	Titabar Municipal Board, Assam
149	Mr. Bhemji Rajput	City Mission Manager	Patan Municipality, Gujarat
150	Ms. Jignasa Raval	City Mission Manager	Rajkot Municipal Corporation, Gujarat
151	Ms. Geetanjali Gaikwad	City Mission Manager	Satara Municipal Council, Maharashtra
152	Mr. Arvind Lone	Asst. Project Officer	Kandhar Municipal Council, Maharashtra
153	Mr. Pandurang Dake	City Mission Manager	Jalna Municipal Corporation, Maharashtra
154	Ms. Asha Gadhe	Community Organizer	Jalna Municipal Corporation, Maharashtra
155	Mr. Vaibhab Arane	Community Organizer	Malkapur Municipal Council, Maharashtra
156	Ms. Ruksana Sheikh	Community Organizer	Bhadrawati Municipal Council, Maharashtra
157	Mr. Dharmraj Ujagare	Asst. Project Officer	Paithan Municipal Council, Maharashtra
158	Mr. Indrajit Sarkar	Community Organizer	Agartala Municipal Corporation, Tripura
159	Mr. Alik Biswas	City Mission Manager	Udaipur Municipal Council, Tripura
160	Mr. Sudip Ghosh	City Mission Manager	Agartala Municipal Corporation, Tripura
161	Ms. Arti Joshi	Community Organizer	Satara Municipal Council, Maharashtra
162	Ms. Supriya Ghogare	City Mission Manager	Ahmednagar Municipal Corporation, Maharashtra
163	Ms. Rup Jyoti Borah	City Project Manager	Morigaon Municipal Board, Assam
164	Mr. Biswajit Baidya	Community Organizer	Santirbazar Municipal Council, Tripura
165	Mr. Prasenjit Debnath	City Mission Manager	Teliamura Municipal Council, Tripura
166	Mr. Chandrakant Mali	Asst. Project Officer	Parola Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
167	Mr. Prakash Bante	City Mission Manager	Bhandara Municipal Council, Maharashtra
168	Ms. Manisha Shende	Community Organizer	Amravati Municipal Corporation, Maharashtra
169	Ms. Vandana Wani	Community Organizer	Risod Municipal Council, Maharashtra
170	Mr. Amar Rananaware	Community Organizer	Jejuri Municipal Council, Maharashtra
171	Mr. Abhijit Debnath	Community Organizer	Gossaigaon Municipal Board, assam
172	Mr. Bijoy Nath	Community Organizer	Sivasagar Municipal Board, Assam
173	Ms. Parismita Bharali	Community Organizer	Demow Municipal Board, Assam
174	Ms. Suchanta Borgohain	Community Organizer	Doomdooma Municipal Board, Assam
175	Mr. Nazmul Hoque	Community Organizer	Gauripur Municipal Board, Assam
176	Mr. Dhananjay Deshmukh	City Mission Manager	Washim Municipal Council, Maharashtra
177	Mr. Kailas Patil	Head of Department (NULM)	Bhiwandi Nizampur City Municipal Corporation, Maharashtra
178	Ms. Vandana Gulhane	City Mission Manager	Amravati Municipal Corporation, Maharashtra
179	Ms. Juri Phukan	Community Organizer	Naharkatia Municipal Board, Assam

Regional Specialized Training Programme on

Swachh Bharat Mission – Urban 2.0

3rd – 4th November 2022 in Panaji, Goa

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Ashpak Moula	Office Superintendent	Malkapur Municipal Council, Maharashtra
2	Mr. Mahesh Gaonkhadkar	Head of Department (Health)	Malkapur Municipal Council, Maharashtra
3	Mr. Vinod Tanwar	Auditor	Malkapur Municipal Council, Maharashtra
4	Ms. Neelam Yedage	Elected Representative	Malkapur Municipal Council, Maharashtra
5	Ms. Geetanjali Patil	Chairperson	Malkapur Municipal Council, Maharashtra
6	Ms. Alka Jagdale	Dy. Chairperson	Malkapur Municipal Council, Maharashtra
7	Ms. Nanda Bhosale	Elected Representative	Malkapur Municipal Council, Maharashtra
8	Ms. Nirmala Kashid	Elected Representative	Malkapur Municipal Council, Maharashtra
9	Ms. Priya Tarlekar	Municipal Engineer	Malkapur Municipal Council, Maharashtra
10	Mr. Pundalik Dhage	City Coordinator	Malkapur Municipal Council, Maharashtra
11	Mr. U. P. Bagade	Municipal Engineer	Malkapur Municipal Council, Maharashtra
12	Mr. Govind Ambar	Accountant	Naldurg Municipal Council, Maharashtra
13	Mr. Suraj Gaikwad	Nodal Officer	Naldurg Municipal Council, Maharashtra
14	Mr. Iqbal Ahmed	Chief Sanitary Inspector	Malegaon Municipal Corporation, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Akshay Thorat	City Coordinator	Malegaon Municipal Corporation, Maharashtra
16	Mr. Yogesh Ghuge	Sanitary Inspector	Malkapur Municipal Council, Maharashtra
17	Mr. Akash Wagh	City Coordinator	Malkapur Municipal Council, Maharashtra
18	Ms. Ankita Isal	Municipal Engineer	Pen Municipal Council, Maharashtra
19	Mr. Shivaji Chavan	Health Officer	Pen Municipal Council, Maharashtra
20	Mr. Gautam More	Concerned Municipal Official	Pen Municipal Council, Maharashtra
21	Ms. Supriya Potdar	Municipal Engineer	Vadgaon Municipal Council, Maharashtra
22	Mr. Vishal Dhanawade	Sanitary Inspector	Vadgaon Municipal Council, Maharashtra
23	Mr. Shivraj Jadhav	IEC Consultant	Vadgaon Municipal Council, Maharashtra
24	Mr. Sujit Powar	Supervisor	Vadgaon Municipal Council, Maharashtra
25	Mr. Pravin Sonawane	City Coordinator	Murum Municipal Council, Maharashtra
26	Mr. Gaurav Vade	Municipal Engineer	Murum Municipal Council, Maharashtra
27	Mr. Mahesh Kudalkar	Sanitary Inspector	Mormugaon Municipal Council, Goa
28	Ms. Laxmi Lamani	Elected Representative	Mormugaon Municipal Council, Goa
29	Ms. Devita Arolkar	Elected Representative	Mormugaon Municipal Council, Goa
30	Ms. Manjusha Pilankar	Elected Representative	Mormugaon Municipal Council, Goa
31	Mr. Leo Rodrigues	Chairperson	Mormugaon Municipal Council, Goa
32	Mr. Damodar Naik	Elected Representative	Mormugaon Municipal Council, Goa
33	Mr. Narayan Borkar	Elected Representative	Mormugaon Municipal Council, Goa

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
34	Mr. Ramchandra Kamat	Elected Representative	Mormugaon Municipal Council, Goa
35	Mr. Madhu Narvekar	Chief Officer	Quepem Municipal Council, Goa
36	Mr. Vipul Mardolkar	Municipal Engineer	Mormugaon Municipal Council, Goa
37	Mr. Vijaykumar Natekar	Elected Representative	Bicholim Municipal Council, Goa
38	Mr. Pandurang Korgaonkar	Elected Representative	Bicholim Municipal Council, Goa
39	Mr. Dilkush Gaonkar	Municipal Engineer	Canacona Municipal Council, Goa
40	Mr. Sarvesh Pai	City Coordinator	Canacona Municipal Council, Goa
41	Mr. Uday Dessai	Municipal Engineer	Cuncolim Municipal Council, Goa
42	Mr. Uddesh Naik Dessai	Elected Representative	Cuncolim Municipal Council, Goa
43	Mr. Sham Gaonkar	Concerned Municipal Official	Cuncolim Municipal Council, Goa
44	Ms. Shubhada Sawaikar	Elected Representative	Sankhali Municipal Council, Goa
45	Mr. Subhash Mhalsekar	Municipal Engineer	Sankhali Municipal Council, Goa
46	Ms. Aparna Fogeri	Elected Representative	Bicholim Municipal Council, Goa
47	Ms. Ranjana Vaihankar	Elected Representative	Bicholim Municipal Council, Goa
48	Ms. Aparna Prabhudesai	Elected Representative	Curcholem Curchera Municipal Council, Goa
49	Mr. Clementina Fernandis	Elected Representative	Curcholem Curchera Municipal Council, Goa
50	Mr. Ramakant Naik	Chairperson	Canacona Municipal Council, Goa
51	Mr. Ganesh Madgaonkar	Elected Representative	Canacona Municipal Council, Goa
52	Mr. Sarvesh Gaonkar	Concerned Municipal Official	Canacona Municipal Council, Goa

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
53	Mr. Riyaz Baig	Elected Representative	Bicholim Municipal Council, Goa
54	Mr. Sagar Gaonkar	Concerned Municipal Official	Canacona Municipal Council, Goa
55	Mr. Jayesh Kalangutkar	Elected Representative	Sankhali Municipal Council, Goa
56	Mr. Vinay Desai	Elected Representative	Cuncolim Municipal Council, Goa
57	Mr. Vikas Wangaonkar	Elected Representative	Cuncolim Municipal Council, Goa
58	Mr. Rajesh Fadte	Elected Representative	Ponda Municipal Council, Goa
59	Mr. Sarvesh Naik	Municipal Engineer	Ponda Municipal Council, Goa
60	Mr. Amol Kavlekar	Elected Representative	Ponda Municipal Council, Goa
61	Mr. Rajesh Sawal	Elected Representative	Sankhali Municipal Council, Goa
62	Mr. Samresh Wohekar	Elected Representative	Sankhali Municipal Council, Goa
63	Ms. Rashmi Desai	Elected Representative	Sankhali Municipal Council, Goa
64	Mr. Chandan Parab	Elected Representative	Mormugaon Municipal Council, Goa

Regional Specialized Web-Based Training Programme on

Role of Elected Representatives in implementing mission and programmes

10th – 11th November 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Rajeshprasad Gupta	Chairperson	Lakhipur Municipal Board, Assam
2	Mr. Ananta Rabha	Ward Commissioner	Lakhipur Municipal Board, Assam
3	Ms. Labanya Doley	Chairperson	Silapathar Municipal Board, Assam
4	Ms. Hashibul Nessa	Vice Chairperson	Lakhipur Municipal Board, Assam
5	Mr. Jayanta Nama	Community organizer	Agartala Municipal Corporation, Tripura
6	Mr. Kaushik Deka	Chairperson	Bongaigaon Municipal Board, Assam
7	Mr. Sayed Naushad Zaman	Community Organizer	Sarupathar Municipal Board, Assam
8	Mr. Prasanta Das	Concerned Municipal Official	Lakhipur Municipal Board, Assam
9	Ms. Rajia Samim Galib	Community Organizer	Chabua Municipal Board, Assam
10	Ms. Eteeven Dutta	Community Organizer	Bihpuria Municipal Board, Assam
11	Mr. Ratan Das	City Project Manager	Haflong Municipal Board, Assam
12	Mr. Sanjay Das	Ward Commissioner	Lakhipur Municipal Board, Assam
13	Mr. Budha Debbarma	Community Organizer	Agartala Municipal Corporation, Tripura
14	Mr. Rajat Kanti Dey	State Mission Manager	Agartala Municipal Corporation, Tripura

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Abhijit Das	City Mission Manager	Melaghar Municipal Council, Tripura
16	Ms. Arifa Begum	Elected Representative	Lakhipur Municipal Board, Assam
17	Mr. Sayed Imtaz	City Project Manager	Golaghat Municipal Board, Assam
18	Mr. Rikesh Doley	Community Organizer	Silapathar Municipal Board, Assam
19	Mr. Bikash Sonowal	Community Organizer	Dibrugarh Municipal Board, Assam
20	Mr. Ashok Khichi	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
21	Mr. Rahul Chakraborty	City Mission Manager	Dharmanagar Municipal Council, Tripura
22	Ms. Nibedita Karmakar	Ward Commissioner	Lakhipur Municipal Board, Assam
23	Ms. Nikky Jalan	Ward Commissioner	Nalbari Municipal Board, Assam
24	Ms. Manorama Das	Ward Commissioner	Silapathar Municipal Board, Assam
25	Mr. Soman dey	Community Organizer	Silapathar Municipal Board, Assam
26	Mr. Probal Handique	Ward Commissioner	Sarupathar Municipal Board, Assam
27	Mr. Sanjib Das	Chairperson	Bongaigaon Municipal Board, Assam
28	Ms. Sharmistha Deb	Vice Chairperson	Silapathar Municipal Board, Assam
29	Ms. Sarmistha Chakraborty	Community Organizer	Amarpur Municipal Council, Tripura
30	Mr. Chandrashekhar Mahajan	Office Superintendent	Himayatnagar Municipal Council, Maharashtra
31	Mr. Sandip Sinha	Community Organizer	Kailashahar Municipal Council, Tripura
32	Ms. Nijara Das	Community Organizer	Nalbari Municipal Board, Assam
33	Ms. Supriya Ghosh	Ward Commissioner	Lakhipur Municipal Board, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
34	Ms. Gouri Debnath	Community Organizer	Agartala Municipal Corporation, Tripura
35	Ms. Pinki Deb	Community Organizer	Jirania Municipal Council, Tripura
36	Mr. R. Sharma	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
37	Ms. Anindita Bhaumik	City Mission Manager	Santirbazar Municipal Council, Tripura
38	Mr. Piyash Das	City Mission Manager	Ambassa Municipal Council, Tripura
39	Mr. Zahid Ahmed	City Project Officer	Lakhipur Municipal Board, Assam
40	Mr. Ajay Joshi	Elected Representative	Jodhpur North Municipal Corporation, Rajasthan
41	Mr. Sausthab Bhaumik	Community Organizer	Agartala Municipal Corporation, Tripura
42	Ms. Rupam Medhi	Community Organizer	Lakhipur Municipal Board, Assam
43	Ms. Rakhi Sarkar	Community Organizer	Amarpur Municipal Council, Tripura
44	Mr. Mustafa Ahmed Laskar	City Project Manager	Silchar Municipal Board, Assam
45	Mr. Pratim Deb	State Mission Manager	Agartala Municipal Corporation, Tripura
46	Mr. Bidyut Baidya	City Mission Manager	Belonia Municipal Council, Tripura
47	Mr. Afzalur Rahman	Ward Commissioner	Lakhipur Municipal Board, Assam
48	Mr. Deep Baruah	Community Organizer	Bokakhat Municipal Board, Assam
49	Mr. Dhiraj Singh	Ward Commissioner	Tinsukia Municipal Board, Assam
50	Ms. Juri Phukan	Community Organizer	Naharkatia Municipal Council, Assam
51	Mr. Alik Biswas	City Mission Manager	Udaipur Municipal Council, Tripura
52	Ms. Sanjeevani Amrutsagar	City Mission Manager	Ulhasnagar Municipal Corporation, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
53	Mr. Mahbubur Rahman Parvez Laskar	City Project Manager	Hailakandi Municipal Board, assam
54	Mr. Biswajit Baidya	Community Organizer	Santirbazar Municipal Council, Tripura
55	Mr. Prasenjit Debnath	City Mission Manager	Teliamura Municipal Council, Tripura
56	Mr. Manash Das	City Project Manager	Mangaldoi Municipal Board, Assam
57	Mr. Chandrakant Mali	Asst. Project Officer	Parola Municipal Council, Maharashtra
58	Mr. Vishal Sankhala	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
59	Ms. Anita kumari	Ward Commissioner	Lakhipur Municipal Board, Assam
60	Mr. Bijoy Nath	Community Organizer	Sivasagar Municipal Council, Assam
61	Mr. Sarat Saikia	City Project Manager	Dhemaji Municipal Board, Assam
62	Mr. Rohit Karale	City Co-Ordinator	Vabhav Vaibhavwadi Municipal Council, Maharashtra
63	Ms. Dipali Kakaty	City Project Manager	Guwahati Municipal Board, Assam
64	Ms. Jhuma Chakma	Elected Representative	Guwahati Municipal Board, Assam

Regional Specialized Web-Based Training Programme on

Role of CBOs / NGOs / SHGs in WASH

25th November 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Dileep Gaikwad	City Mission Manager	Lonavala Municipal Council, Maharashtra
2	Mr. Digvijay Zala	Concerned Municipal Official	Ahmedabad Municipal Corporation, Gujarat
3	Ms. Meena Kamble	Representative of NGO	Savitribai Phule Mahila Mandal, Mumbai, Maharashtra
4	Mr. Satish Bhosle	Representative of NGO	Self Help Group, Mumbai, Maharashtra
5	Mr. Balaji Shinde	Representative of NGO	Navatarun Mitra Mandal, Mumbai, Maharashtra
6	Ms. Anjana Avasthi	Representative of NGO	Khushi Self Help Group, Jaipur, Rajasthan
7	Mr. Ganesh Chate	Chief Officer	Umari Municipal Council, Maharashtra
8	Mr. Abhishek Soni	Concerned Municipal Official	Ahmedabad Municipal Corporation, Gujarat
9	Mr. Ramesh Yadawar	Representative of NGO	Manjari Foundation, Ajmer, Rajasthan
10	Ms. Ashwini Borude	Representative of NGO	Shree Aastha Mahila Bachat Gat, Mumbai, Maharashtra
11	Mr. Kumar Bansode	Representative of NGO	Jai Bhim Panchasheel Samajik Sanstha, Mumbai, Maharashtra
12	Mr. Vijaykumar Natekar	Elected Representative	Bicholim Municipal Council, Goa
13	Ms. Shalini Kothare	Representative of NGO	Shree Renuka Mahila Sanstha, Mumbai, Maharashtra
14	Mr. Anand Jagtap	Officer on special Duty	Brihanmumbai Municipal Corporation, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Dinesh Prajapati	Multi-Purpose Health Worker	Mahemadabad Municipal Council, Gujarat
16	Mr. Mangesh Ahire	Representative of NGO	Nutan Bhimjyot Krida Mandal, Mumbai, Maharashtra
17	Mr. Janardan Paradkar	Representative of NGO	Vighnaharta Self Help Group, Mumbai, Maharashtra
18	Ms. Sapna prajapati	Elected Representative	Kota Municipal Corporation, Rajasthan
19	Mr. Rushikesh Sable	Concerned Municipal Official	Brihanmumbai Municipal Corporation, Maharashtra
20	Ms. Muskan Khitoliya	Concerned Municipal Official	Jodhpur Municipal Corporation, Rajasthan
21	Ms. Tamanna Chouhan	Concerned Municipal Official	Jodhpur Municipal Corporation, Rajasthan
22	Ms. Hiral Chouhan	Concerned Municipal Official	Jodhpur Municipal Corporation, Rajasthan
23	Mr. Krishna pal Singh Bhati	Community Organizer	Jodhpur Municipal Corporation, Rajasthan
24	Mr. Ganesh Jadhav	City Mission Manager	Karad Municipal Council, Maharashtra
25	Mr. Vivek Desai	City Mission Manager	Valsad Municipal Council, Gujarat
26	Ms. Vaishali	Community Organizer	Valsad Municipal Council, Gujarat
27	Ms. Rinku Prajapati	Representative of NGO	Somiya Sakhi Bachat Mandal, Gujarat
28	Ms. Kaushika Tandalekar	Project Manager	Valsad Municipal Council, Gujarat

Regional Specialized Web-Based Training Programme on

Atal Mission for Rejuvenation and Urban Transformation – 2.0

29th & 30th November 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Abhijit Dutta	Municipal Engineer	Basugaon Municipal Board, Assam
2	Mr. Ashwin Pandya	Project Manager	Ahmedabad Municipal Corporation, Gujarat
3	Mr. Bhruveshkumar Chauhan	Urban Planner	Kapadwanj Municipal Council, Gujarat
4	Mr. Dhaval Maru	Urban Planner	Rajkot Municipal Corporation, Gujarat
5	Mr. Dineshkumar Prajapati	Multi-Purpose Health Worker	Mahemdabad Municipal Council, Gujarat
6	Mr. Kamlesh Gohel	Nodal Officer	Rajkot Municipal Corporation, Gujarat
7	Mr. Hemendra Kotak	Municipal Engineer	Rajkot Municipal Corporation, Gujarat
8	Ms. Jameelabegum Eathakula	Representative of NGO	Ghar Bachao Ghar Banao Andolan, Mumbai, Maharashtra
9	Mr. Jomil Ahmed Laskar	Municipal Engineer	Sonai Municipal Board, Assam
10	Mr. Kapil Joshi	Municipal Engineer	Rajkot Municipal Corporation, Gujarat
11	Mr. Mahendra Sen	Elected Representative	Udaipur Municipal Corporation, Rajasthan
12	Ms. Mala Chanal	Community Organizer	Chhoti Sadari Municipal Council, Rajasthan
13	Mr. Pratap Dan	Community Organizer	Udaipur Municipal Corporation, Rajasthan
14	Mr. Sandip Zala	Multi-Purpose Health Worker	Ahmedabad Municipal Corporation, Gujarat

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Sanjiv Chhaiya	Municipal Engineer	Rajkot Municipal Corporation, Gujarat
16	Mr. Sashikumar Deka	Executive Officer	Lakhipur Municipal Board, Assam
17	Ms. Soni Gupta	Representative of NGO	Swabhiman Self Help Group, Kota, Rajasthan
18	Ms. Suvarna Hake	Head of Department (Health)	Mohol Municipal Council, Maharashtra
19	Mr. Uddesh Gad	Municipal Engineer	Bicholim Municipal Council, Goa
20	Mr. Vijaykumar Natekar	Elected Representative	Bicholim Municipal Council, Goa
21	Mr. Parag Barman	Municipal Engineer	Lakhipur Municipal Board, Assam

Regional Specialized Web-Based Training Programme on

Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS

7th & 8th December 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Ms. Laxmi Rani Debnath	Municipal Engineer	Kumarghat Municipal Council, Tripura
2	Mr. Abhijit Debnath	Municipal Engineer	Jirania Municipal Council, Tripura
3	Mr. Pritam Bargir	MIS Specialist	Akola Municipal Corporation, Maharashtra
4	Mr. Gourav Vade	Municipal Engineer	Murum Municipal Council, Maharashtra
5	Ms. Swati Dakre	Municipal Engineer	Mowad Municipal Council, Maharashtra
6	Mr. Dnyaneshwar Sutar	Municipal Engineer	Khed Municipal Council, Maharashtra
7	Mr. Shubham Warghat	Municipal Engineer	Chandrapur City Municipal Corporation, Maharashtra
8	Mr. Vikrant Chaudhari	Municipal Engineer	Dharangaon Municipal Council, Maharashtra
9	Mr. Ravi Pambhar	MIS Specialist	Jamnagar Municipal Corporation, Gujarat
10	Ms. Minal Birewar	MIS Specialist	Chandrapur City Municipal Corporation, Maharashtra
11	Mr. Ashish Gawande	MIS Specialist	Shegaon Municipal Council, Maharashtra
12	Mr. Kishorkumar kamble	MIS Specialist	Mangrulpir Municipal Council, Maharashtra
13	Mr. Pavan Watkar	Municipal Engineer	Samudrapur Municipal Council, Maharashtra
14	Mr. Akshay Mantri	Municipal Engineer	Risod Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Kamlakar Garate	Municipal Engineer	Lanja Municipal Council, Maharashtra
16	Mr. Saurabh Aihe	Municipal Engineer	Nagpur Municipal Corporation, Maharashtra
17	Mr. Shubham Choudhari	Municipal Engineer	Washi Municipal Council, Maharashtra
18	Ms. Ankita Dakhare	Municipal Engineer	Korpana Municipal Council, Maharashtra
19	Mr. Rohit Raut	Municipal Engineer	Wardha Municipal Council, Maharashtra
20	Ms. Shweta Khule	Municipal Engineer	Teosa Municipal Council, Maharashtra
21	Mr. Tejas Suryawanshi	Municipal Engineer	Mangalwedha Municipal Council, Maharashtra
22	Mr. Nilesh Wadhai	Municipal Engineer	Ballarpur Municipal Council, Maharashtra
23	Mr. Abhishek Kolekar	Municipal Engineer	Rahimatpur Municipal Council, Maharashtra
24	Mr. Bharat Bhandarkar	Municipal Engineer	Malegaon Municipal Corporation, Maharashtra
25	Mr. Ranjit Dakhare	Municipal Engineer	Rajura Municipal Council, Maharashtra
26	Mr. Vaibhav patil	Municipal Engineer	Jalgaon City Municipal Corporation, Maharashtra
27	Mr. Bhushan Lanke	MIS Specialist	Satara Municipal Council, Maharashtra
28	Mr. Naresh Bhosale	Municipal Engineer	Telhara Municipal Council, Maharashtra
29	Ms. Naziya Sultana Shaikh	Municipal Engineer	Aurangabad Municipal Corporation, Maharashtra
30	Mr. Bharat Indurkar	Municipal Engineer	Dhamangaon Railway Municipal Council, Maharashtra
31	Mr. Prasad Kadam	Municipal Engineer	Hadgaon Municipal Council, Maharashtra
32	Mr. Rohit Khobragade	Municipal Engineer	Warora Municipal Council, Maharashtra
33	Mr. Deepak Dongarwar	Municipal Engineer	Arjuni Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
34	Mr. Bhushan Mahajan	Municipal Engineer	Parola Municipal Council, Maharashtra
35	Mr. Sachin Choudhari	MIS Specialist	Ambarnath Municipal Council, Maharashtra
36	Mr. Ashish Tayade	MIS Specialist	Karanja Municipal Council, Maharashtra
37	Ms. Lumita Nagpure	Municipal Engineer	Ghughus Municipal Council, Maharashtra
38	Ms. Diplata Patode	Municipal Engineer	Sindewahi Municipal Council, Maharashtra
39	Mr. Santosh Pawar	Municipal Engineer	Dharmabad Municipal Council, Maharashtra
40	Mr. Amjad Pathan	Municipal Engineer	Sengaon Municipal Council, Maharashtra
41	Mr. Sushil Shelke	Municipal Engineer	Kallam Municipal Council, Maharashtra
42	Ms. Snehal Bhurse	Municipal Engineer	Chamorshi Municipal Council, Maharashtra
43	Mr. Shivshankar Matke	MIS Specialist	Udgir Municipal Council, Maharashtra
44	Mr. Manojkumar Jagtap	Municipal Engineer	Saswad Municipal Council, Maharashtra
45	Mr. Ameet Nandeshwar	Municipal Engineer	Pulgaon Municipal Council, Maharashtra
46	Ms. Devika Wanve	Municipal Engineer	Chandur Railway Municipal Council, Maharashtra
47	Mr. Vihang Waghmare	Municipal Engineer	Sangli Miraj and Kupwad Municipal Corporation, Maharashtra
48	Mr. Abhaykumar Ramteke	Municipal Engineer	Sindi (Railway) Municipal Council, Maharashtra
49	Ms. Ajamatabi Jahagirdar	Municipal Engineer	Maindargi Municipal Council, Maharashtra
50	Mr. Yalappa Dandgule	Municipal Engineer	Omerga Municipal Council, Maharashtra
51	Mr. Ashish Kapgate	Municipal Engineer	Sadak Arjuni Municipal Council, Maharashtra
52	Mr. Harshal Banubakode	Municipal Engineer	Arvi Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
53	Mr. Shubham Araj	Municipal Engineer	Balapur Municipal Council, Maharashtra
54	Mr. Aniket Bandekar	Municipal Engineer	Aheri Municipal Council, Maharashtra
55	Ms. Ankita Saha	Municipal Engineer	Directorate of Urban Development
56	Mr. Sagar Deshpande	Municipal Engineer	Sonpeth Municipal Council, Maharashtra
57	Mr. Shahrukh Pathan	Municipal Engineer	Tirora Municipal Council, Maharashtra
58	Mr. Chetan Khapre	Municipal Engineer	Kurkheda Municipal Council, Maharashtra
59	Nagesh Bhosge	Municipal Engineer	Ausa Municipal Council, Maharashtra
60	Mr. Nikhil Shinde	Municipal Engineer	Malshiras Municipal Council, Maharashtra
61	Mr. Darshan Lad	Municipal Engineer	Surat Municipal Corporation, Gujarat
62	Ms. Supriya Dey	Municipal Engineer	Ambassa Municipal Council, Maharashtra
63	Mr. Utpal Sen	Municipal Engineer	Khowai Municipal Council, Tripura
64	Mr. Maksud Ali	Municipal Engineer	Digras Municipal Council, Maharashtra
65	Mr. Ketan Sangole	Municipal Engineer	Jalgaon Jamod Municipal Council, Maharashtra
66	Mr. Balaji Yadav	Municipal Engineer	Paranda Municipal Council, Maharashtra
67	Mr. Arjun Fapale	Municipal Engineer	Aurangabad Municipal Corporation, Maharashtra
68	Mr. Asrarullah khan	MIS Specialist	Nanded Waghala City Municipal Corporation, Maharashtra
69	Mr. Gopalkrushna Padole	Municipal Engineer	Tumsar Municipal Council, Maharashtra
70	Mr. Shoeb Khan	Municipal Engineer	Arni Municipal Council, Maharashtra
71	Mr. Siddiqui Misbah	Municipal Engineer	Udgir Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
72	Mr. Vilas Rathod	Municipal Engineer	Wadwani Municipal Council, Gujarat
73	Mr. Yogesh Bhure	Municipal Engineer	Lakhani Municipal Council, Maharashtra
74	Mr. Gajanan Deshmukh	MIS Specialist	Panvel Municipal Corporation, Maharashtra
75	Ms. Asmita Saha	Municipal Engineer	Dharmanagar Municipal Council, Tripura
76	Mr. Sachin Magar	MIS Specialist	Chikhli Municipal Council, Maharashtra
77	Ms. Nidhi Rathod	Municipal Engineer	Murtijapur Municipal Council, Maharashtra
78	Mr. Aditya Bhakre	Municipal Engineer	Katol Municipal Council, Maharashtra
79	Mr. Naveed Syed	Municipal Engineer	Lohara Municipal Council, Maharashtra
80	Mr. Santosh Pawase	Municipal Engineer	Malkapur Municipal Council, Maharashtra
81	Mr. Balu Bhure	Municipal Engineer	Chakur Municipal Council, Maharashtra
82	Mr. Aarti Navgire	Municipal Engineer	Aurangabad Municipal Corporation, Maharashtra
83	Mr. Rajashri Zade	Municipal Engineer	Nagbhid Municipal Council, Maharashtra
84	Mr. Kuldip Kukudkar	Municipal Engineer	Armorli Municipal Council, Maharashtra
85	Mr. Satish Khajuriya	Municipal Engineer	Salekasa Municipal Council, Maharashtra
86	Mr. Akash Shirkare	Municipal Engineer	Barshitakli Municipal Council, Maharashtra
87	Mr. Nikesh Gahane	Municipal Engineer	Gadchiroli Municipal Council, Maharashtra
88	Mr. Roshan Chavan	MIS Specialist	Sinnar Municipal Council, Maharashtra
89	Ms. Tejaswi Mote	MIS Specialist	Osmanabad Municipal Council, Maharashtra
90	Ms. Shubhangi Joshi	MIS Specialist	Ichalkaranji Municipal Corporation, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
91	Mr. Rohit Shukla	Municipal Engineer	Saoli Municipal Council, Maharashtra
92	Mr. Prakash Bobate	Municipal Engineer	Gondpipari Municipal Council, Maharashtra
93	Mr. Sudhir Arbad	Municipal Engineer	Kaij Municipal Council, Maharashtra
94	Mr. Jamsandekar	MIS Specialist	Sangli Miraj Kupwad Municipal Corporation, Maharashtra
95	Mr. Rakesh Bhandari	Municipal Engineer	Sironcha Municipal Council, Maharashtra
96	Mr. Vikas Munde	Urban Planner	Aurangabad Municipal Corporation, Maharashtra
97	Ms. Snehal Gadekar	Municipal Engineer	Purna Municipal Council, Maharashtra
98	Dhiraj Narkhede	Municipal Engineer	Malkapur Municipal Council, Maharashtra
99	Mr. Soumen Das	Asst. Town Supervisor	Khowai Municipal Council, Tripura
100	Mr. Tejas Hotkar	Municipal Engineer	Barshi Municipal Council, Maharashtra
101	Mr. Sankalp Shahane	Municipal Engineer	Karmala Municipal Council, Maharashtra
102	Ms. Poonam Gare	Municipal Engineer	Bhor Municipal Council, Maharashtra
103	Mr. Mohit Meshram	Municipal Engineer	Mahadula Municipal Council, Maharashtra
104	Ms. Shivani Gunjalkar	Municipal Engineer	Chikhli Municipal Council, Maharashtra
105	Mr. Nilesh Tadakhe	MIS Specialist	Karad Municipal Council, Maharashtra
106	Ms. Abushama Momin	Municipal Engineer	Shirur Anantpal Municipal Council, Maharashtra
107	Mr. Pramod borkar	MIS Specialist	Hinganghat Municipal Council, Maharashtra
108	Mr. Shubham Dhale	Municipal Engineer	Ralegaon Municipal Council, Maharashtra
109	Mr. Shahebaj Ahemad Siddiqui	Municipal Engineer	Kandhar Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
110	Mr. Yashwant Bharude	MIS Specialist	Shahada Municipal Council, Maharashtra
111	Mr. Sameer Khureshi	Municipal Engineer	Mukhed Municipal Council, Maharashtra
112	Mr. Biswajit Sukla Das	Scheme Supervisor PMAY (U)	Udaipur Municipal Council, Tripura
113	Ms. Ruchi Raibole	Executive Officer	Akola Municipal Corporation, Maharashtra
114	Mr. Sachin Ingole	MIS Specialist	Malegaon Municipal Council, Maharashtra
115	Mr. Sachin Ahirrao	Municipal Engineer	Satana Municipal Council, Maharashtra
116	Mr. Riyaz Kazi	MIS Specialist	Baramati Municipal Council, Maharashtra
117	Mr. Mahendra Herode	Municipal Engineer	Karanja Municipal Council, Maharashtra
118	Mr. Sangram Bagal	Municipal Engineer	Kurduwadi Municipal Council, Maharashtra
119	Mr. Shashikant Pawar	Urban Planner	Satara Municipal Council, Maharashtra
120	Mr. Suraj Raghatare	Municipal Engineer	Seloo Municipal Council, Maharashtra
121	Mr. Rajendra Ambore	Municipal Engineer	Manora Municipal Council, Maharashtra
122	Mr. Sujit Joge	Municipal Engineer	Mul Municipal Council, Maharashtra
123	Mr. Dinesh Jaiswal	Municipal Engineer	Shendurjanaghat Municipal Council, Maharashtra
124	Mr. Swapnil Wagh	Social Development Specialist	Bhusawal Municipal Council, Maharashtra
125	Mr. Rahul Attarkar	Municipal Engineer	Patur Municipal Council, Maharashtra
126	Ms. Trupti Durge	Municipal Engineer	Bhadrawati Municipal Council, Maharashtra
127	Ms. Pallavi Behere	Social Development Specialist	Nanded Waghala Municipal Corporation, Maharashtra
128	Mr. Pranil Kale	Municipal Engineer	Mouda Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
129	Mr. Sagar Shinde	Social Development Specialist	Sangli Miraj and Kupwad City Municipal Corporation, Maharashtra
130	Ms. Maheshwari Pimpalshende	Municipal Engineer	Pombhurna Municipal Council, Maharashtra
131	Ms. Susmita Debnath	Municipal Engineer	Teliamura Municipal Council, Tripura
132	Mr. Prashant Jagtap	Municipal Engineer	Daund Municipal Council, Maharashtra
133	Ms. Sajal Das	Municipal Engineer	Santirbazar Municipal Council, Tripura
134	Mr. Amol Patle	Municipal Engineer	Deori Municipal Council, Maharashtra
135	Mr. Yogesh Doke	Municipal Engineer	Mohol Municipal Council, Maharashtra
136	Mr. Prashant Pandey	Municipal Engineer	Mangrulpir Municipal Council, Maharashtra
137	Mr. Shubham Bangare	Municipal Engineer	Chimur Municipal Council, Maharashtra
138	Mr. Md Ahesan	Municipal Engineer	Ardhapur Municipal Council, Maharashtra
139	Mr. Kundan Shinde	MIS Specialist	Jalgaon City Municipal Corporation, Maharashtra
140	Mr. Vishal Khare	Social Development Specialist	Malegaon Municipal Corporation, Maharashtra
141	Mr. Mohammad Najeeb Taher	Municipal Engineer	Umarkhed Municipal Council, Maharashtra
142	Mr. Pratik Dongardive	Municipal Engineer	Vengurla Municipal Council, Maharashtra
143	Ms. Savita Kute	Municipal Engineer	Kalmnoori Municipal Council, Maharashtra
144	Mr. Pravin Barewar	Municipal Engineer	Goregaon Municipal Council, Maharashtra
145	Mr. Vivek Wahurwagh	Municipal Engineer	Ner Nababpur Municipal Council, Maharashtra
146	Mr. Kisan Dhangar	Municipal Engineer	Washim Municipal Council, Maharashtra
147	Mr. Avinash Shendge	Municipal Engineer	Akkalkot Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
148	Mr. Gaurav Kavathale	MIS Specialist	Barshi Municipal Council, Maharashtra
149	Mr. Dhiraj Banait	MIS Specialist	Bhusawal Municipal Council, Maharashtra
150	Mr. Rahul Jaiswal	Municipal Engineer	Deoli Municipal Council, Maharashtra
151	Mr. Dayanand Hangargi	Municipal Engineer	Dudhani Municipal Council, Maharashtra
152	Mr. Amit Bramhankar	Municipal Engineer	Trimbak Municipal Council, Maharashtra
148	Mr. Gaurav Kavathale	MIS Specialist	Barshi Municipal Council, Maharashtra
149	Mr. Dhiraj Banait	MIS Specialist	Bhusawal Municipal Council, Maharashtra
150	Mr. Rahul Jaiswal	Municipal Engineer	Deoli Municipal Council, Maharashtra
151	Mr. Dayanand Hangargi	Municipal Engineer	Dudhani Municipal Council, Maharashtra
152	Mr. Amit Bramhankar	Municipal Engineer	Trimbak Municipal Council, Maharashtra

Regional Specialized Web-Based Training Programme on

WASH (Water-Sanitation-Hygiene) in Urban Areas

20th & 21st December 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Abhijeet Lokhande	Municipal Engineer	Nandgaon Khandeshwar Municipal Council, Maharashtra
2	Mr. Ganesh Gadhari	City Coordinator	Amalner Municipal Council, Maharashtra
3	Ms. Jameelabegum Eathakula	Representative of NGO	Ghar Bachao Ghar Banao Andolan Mumbai, Maharashtra
4	Mr. Navneet Deore	Tax officer	Kulgaon Badlapur Municipal Council, Maharashtra
5	Mr. Neminath Sanap	City Coordinator	Nandgaon Khandeshwar Municipal Council, Maharashtra
6	Mr. Nutan Karangutkar	Representative of NGO	Mumbai, Maharashtra
7	Mr. Pradeep Bansode	Finance Manager	Mira Bhayandar Municipal Corporation, Maharashtra
8	Mr. Prashant Pandey	Municipal Engineer	Mangrulpir Municipal Council, Maharashtra
9	Ms. Snehal Chaudhari	Representative of NGO	Kshitij Foundation, Maharashtra
10	Ms. Vidya Ramteke	Asst. Monitoring Officer	Mahila Arthik Vikas Mahamandal (MAVIM), Chandrapur, Maharashtra
11	Mr. Atul Raut	City Coordinator	Washim Municipal Council, Maharashtra
12	Mr. Sumit Khichi	Representative of NGO	Jodhpur, Rajasthan

Regional Specialized Training Programme on

Role of Elected Representatives in Implementing Missions & Programmes

27th & 28th December 2022 in Jodhpur, Rajasthan

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Ms. Jyotika Lathiya	Elected Representative	Surat Municipal Corporation, Gujarat
2	Ms. Divya Rathod	Elected Representative	Surat Municipal Corporation, Gujarat
3	Ms. Gauriben Supriya	Elected Representative	Surat Municipal Corporation, Gujarat
4	Ms. Rashmi Saboo	Elected Representative	Surat Municipal Corporation, Gujarat
5	Ms. Hemaliben Boghavala	Hon'ble Mayor	Surat Municipal Corporation, Gujarat
6	Ms. Purnima Davle	Elected Representative	Surat Municipal Corporation, Gujarat
7	Ms. Ushaben Patel	Elected Representative	Surat Municipal Corporation, Gujarat
8	Ms. Geetaben Rabari	Elected Representative	Surat Municipal Corporation, Gujarat
9	Ms. Urmilaben Tripathi	Elected Representative	Surat Municipal Corporation, Gujarat
10	Ms. Geeta Rabri	Elected Representative	Surat Municipal Corporation, Gujarat
11	Ms. Kailashben Solanki	Elected Representative	Surat Municipal Corporation, Gujarat
12	Ms. Sonal Desai	Elected Representative	Surat Municipal Corporation, Gujarat
13	Ms. Rajeshri Maiswriya	Elected Representative	Surat Municipal Corporation, Gujarat
14	Ms. Hemlata Ravatka	Elected Representative	Surat Municipal Corporation, Gujarat

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Ms. Rupaben Panolya	Elected Representative	Surat Municipal Corporation, Gujarat
16	Mr. Piyush Patel	Elected Representative	Surat Municipal Corporation, Gujarat
17	Ms. Ramilaben Patel	Elected Representative	Surat Municipal Corporation, Gujarat
18	Ms. Bharti Waghela	Elected Representative	Surat Municipal Corporation, Gujarat
19	Ms. Jyoti Patel	Elected Representative	Surat Municipal Corporation, Gujarat
20	Ms. Jayashree Varia	Elected Representative	Surat Municipal Corporation, Gujarat
21	Ms. Vaishali Patil	Elected Representative	Surat Municipal Corporation, Gujarat
22	Ms. Rohini Patil	Elected Representative	Surat Municipal Corporation, Gujarat
23	Ms. Sudha Pande	Elected Representative	Surat Municipal Corporation, Gujarat
24	Ms. Bhawna Solanki	Elected Representative	Surat Municipal Corporation, Gujarat
25	Ms. Alka Patil	Elected Representative	Surat Municipal Corporation, Gujarat
26	Ms. Kantaben Vakodikar	Elected Representative	Surat Municipal Corporation, Gujarat
27	Ms. Suvarna Jadav	Elected Representative	Surat Municipal Corporation, Gujarat
28	Ms. Lataben Rana	Elected Representative	Surat Municipal Corporation, Gujarat
29	Ms. Aarti patel	Elected Representative	Surat Municipal Corporation, Gujarat
30	Ms. Nancy Shah	Elected Representative	Surat Municipal Corporation, Gujarat
31	Ms. Suman Godraj	Elected Representative	Surat Municipal Corporation, Gujarat
32	Ms. Ruta Kukadiya	Elected Representative	Surat Municipal Corporation, Gujarat
33	Mr. Rajendra Singh Tak	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
34	Mr. Ashok Khichi	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
35	Mr. Akhtar Khan	Elected Representative	Jodhpur Municipal Corporation, Rajasthan

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
36	Ms. Alka Panwar	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
37	Mr. Vijaykumar Parihar	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
38	Mr. Chandraprakash Aaseri	Elected Representative	Bilara Municipal Council, Rajasthan
39	Ms. Rekha Parihar	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
40	Mr. Bhimraj Rakhecha	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
41	Ms. Manju Chouhan	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
42	Mr. Ajay Singh	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
43	Mr. Fatehraj Naykad	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
44	Mr. Omkar Verma	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
45	Mr. Ashok Singh Chouhan	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
46	Mr. Dalpat Vaishnav	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
47	Ms. Madhumati Boda	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
48	Ms. Minakshi Kothari	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
49	Ms. Savitri Gurjar	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
50	Ms. Pooja Rathi	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
51	Ms. Jani Devi	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
52	Ms. Laxmi Solanki	Elected Representative	Jaitaran Municipal Council, Rajasthan
53	Mr. Jagdish Nayak	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
54	Ms. Manju Kandara	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
55	Mr. Dayaram Bhati	Elected Representative	Jodhpur Municipal Corporation, Rajasthan

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
56	Mr. Yogesh Vyas	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
57	Ms. Tara Gehlot	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
58	Mr. Vikram Singh Panwar	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
59	Ms. Anju Kanwar Sisodiya	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
60	Dr. Sangeeta Solkanki	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
61	Mr. Pukhraj Prajapat	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
62	Mr. Kabulal	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
63	Ms. Kusumlata	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
64	Ms. Manju Prajapat	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
65	Mr. Anil Gattali	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
66	Mr. Bhuvnesh Goyal	District Manager	Jaitaran Municipal Council, Rajasthan
67	Ms. Sonu Kumari	District Manager	Jodhpur Municipal Corporation, Rajasthan
68	Mr. Purushottam Acharya	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
69	Mr. Baldev Singh	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
70	Mr. Vishal Sankhla	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
71	Mr. Rajesh Kachhawala	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
72	Mr. Dheeraj Chouhan	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
73	Mr. Shokat Ali	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
74	Ms. Pooja Choudhary	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
75	Mr. Kiran Gehlot	Elected Representative	Jodhpur Municipal Corporation, Rajasthan

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
76	Mr. Bharat Aaseri	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
77	Ms. Meema Devi	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
78	Dr. Ravindra Parihar	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
79	Adv. Aslam Khan	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
80	Mr. Manish Parihar	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
81	Mr. Narendra Fitani	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
82	Mr. Narendra Singh Bhati	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
83	Mr. Amarlal Bargi	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
84	Mr. Ramesh Sharma	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
85	Mr. Sunil Sambhuvani	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
86	Ms. Ragini	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
87	Ms. Hemlata Parihar	Elected Representative	Falaudi Municipal Council, Rajasthan
88	Mr. Sumer Singh	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
89	Ms. Suman Sain	Elected Representative	Jodhpur Municipal Corporation, Rajasthan
90	Mr. Kishanlal Loddha	Dy. Mayor	Jodhpur Municipal Corporation, Rajasthan
91	Mr. Deepak Mathur	Chairman	Jodhpur Municipal Corporation, Rajasthan

Regional Specialized Web-Based Training Programme on

Swachh Bharat Mission – Urban 2.0

28th & 29th December 2022

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Ahemed Soudagar	City Coordinator	Ausa Municipal Council, Maharashtra
2	Mr. Anant Shetkar	City Coordinator	Pernem Municipal Council, Goa
3	Mr. Apexkumar Saraiya	City Project Officer	Gandhinagar Municipal Corporation, Gujarat
4	Mr. Bhavesh Patil	MIS Expert	Songadh Municipal Council, Maharashtra
5	Mr. Bhavesh Dhimmar	MIS Expert	Gandevi Municipal Council, Gujarat
6	Mr. Bikash Acharjee	City Project Officer	Hojai Municipal Board, Assam
7	Mr. Chandrakant Mali	Asst. Project Officer	Parola Municipal Council, Maharashtra
8	Mr. Dev Rana	Municipal Engineer	Surat Municipal Corporation, Gujarat
9	Dr. A. K. Singh	Health Officer	Silvassa Municipal Council, Silvassa
10	Dr. Charusheela Pandit	Dy. Municipal Commissioner	Vasai Virar City Municipal Corporation, Maharashtra
11	Dr. Vaibhav Vidhate	Asst. Commissioner	Panvel Municipal Corporation, Maharashtra
12	Mr. Gorakshanath Wayal	Nodal Officer	Indapur Municipal Council, Maharashtra
13	Mr. Kalpesh Bhoya	MIS Expert	Valsad Municipal Council, Gujarat
14	Mr. Kiran Arade	City Coordinator	Alandi Municipal Council, Maharashtra
15	Mr. Laxman Chavre	Nodal Officer	Faizpur Municipal Council, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
16	Ms. Manjari Srivastav	Consultant	Rajkot Municipal Corporation, Gujarat
17	Ms. Miral Jadav	MIS Expert	Bharuch Municipal Council, Gujarat
18	Mr. Nitesh Kumar	Municipal Engineer	Surajgarh Municipal Council, Rajasthan
19	Mr. Nitin Lunge	Nodal Officer	Bhusawal Municipal Council, Maharashtra
20	Ms. Poulomi Hojai	City Project Officer	Umrongso Municipal Board, Assam
21	Ms. Priyanka Gokani	MIS Expert	Umbergaon Municipal Council, Gujarat
22	Mr. Saiyed Minhaz	MIS Expert	Amod Municipal Council, Gujarat
23	Mr. Umesh Maru	Sanitary Inspector	Navsari Vijalpore Municipal Council, Gujarat
24	Ms. Vaniellien Chorei	City Project Officer	Haflong Municipal Board, Assam
25	Ms. Vijal Lad	MIS Expert	Pardi Municipal Council, Gujarat
26	Mr. Vivek Desai	Sanitary Inspector	Kadodara Municipal Council, Gujarat

Regional Specialized Training Programme on

Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS

6th January 2023 in Mumbai, Maharashtra

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Mahesh Khirari	Concerned Municipal Official	Ulhasnagar Municipal Corporation, Maharashtra
2	Mr. Gajanan Deshmukh	MIS Specialist	Panvel Municipal Corporation, Maharashtra
3	Mr. Mayur Konde	CLTC Engineer	Roha Municipal Council, Maharashtra
4	Mr. Sachin Choudhari	MIS Specialist	Ambernath Municipal Council, Maharashtra
5	Mr. Vijaykumar Bidve	CLTC Engineer	Latur Municipal Corporation, Maharashtra
6	Mr. Dipak Sonawane	Social Development Specialist	Badlapur Municipal Council, Maharashtra
7	Mr. Sameer Shah	Social Development Specialist	Thane Municipal Corporation, Maharashtra
8	Ms. Shweta Sarjine	MIS Specialist	Thane Municipal Corporation, Maharashtra
9	Ms. Mari Muthu Iyer	Chief Executive Officer	Vikramgarh Municipal Council, Maharashtra
10	Mr. Deepak Shrangare	Social Development Specialist	Mira Bhayandar Municipal Corporation, Maharashtra
11	Mr. Dinesh Sharma	Concerned Municipal Official	Mira Bhayandar Municipal Corporation, Maharashtra
12	Ms. Nitya Dave	Dy. Town Planner	Surat Municipal Corporation, Gujarat
13	Ms. Pushpa Nadar	Secretary	Vikramgarh Municipal Council, Maharashtra

Regional Specialized Training Programme on

Pradhan Mantri Awas Yojana (U) and its Transparent Management through MIS

7th January 2023 in Mumbai, Maharashtra

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Pratik Dongardive	CLTC Engineer	Vengurla Municipal Council, Maharashtra
2	Mr. Avinash Shendge	CLTC Engineer	Akkalkot Municipal Council, Maharashtra
3	Ms. Pratiksha Pawar	CLTC Engineer	Akkalkot Municipal Council, Maharashtra
4	Mr. Prasad Jamsandekar	MIS Specialist	Sangli Miraj Kupwad City Municipal Corporation, Maharashtra

Regional Specialized Training Programme on

City Level Approach in Implementing Missions & Programmes

18th January 2023 at Guwahati, Assam

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Ms. Sima Choudhury	Concerned Municipal Official	Guwahati Municipal Corporation, Assam
2	Ms. Darshana Goswami	Concerned Municipal Official	Guwahati Municipal Corporation, Assam
3	Ms. Ritumani Takkar	Concerned Municipal Official	Guwahati Municipal Corporation, Assam
4	Mr. Mantu Kalita	Concerned Municipal Official	Guwahati Municipal Corporation, Assam
5	Mr. Paresh Das	Concerned Municipal Official	Guwahati Municipal Corporation, Assam
6	Ms. Rompi Das	Concerned Municipal Official	Guwahati Municipal Corporation, Assam
7	Ms. Runa Khatun	Concerned Municipal Official	Guwahati Municipal Corporation, Assam
8	Mr. Binud Kaman	Concerned Municipal Official	Guwahati Municipal Corporation, Assam
9	Ms. Anku Chaudhary	Concerned Municipal Official	Guwahati Municipal Corporation, Assam
10	Ms. Dipali Kakaty	Concerned Municipal Official	Guwahati Municipal Corporation, Assam
11	Mr. Shayan Paul	Municipal Engineer	Guwahati Municipal Corporation, Assam
12	Mr. Dhiraj Rojbongshi	Municipal Engineer	Guwahati Municipal Corporation, Assam
13	Mr. Avinash Paul	Municipal Engineer	Guwahati Municipal Corporation, Assam
14	Mr. Babal Borah	Municipal Engineer	Guwahati Municipal Corporation, Assam

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Jyoti Prakash Mahanti	Municipal Engineer	Guwahati Municipal Corporation, Assam
16	Mr. Rishiraj Shandilya	Municipal Engineer	Guwahati Municipal Corporation, Assam
17	Ms. Natalia Kakaty	Consultant (AMRUT)	Guwahati Municipal Corporation, Assam
18	Mr. Dhribajyoti Das	Consultant (AMRUT)	Guwahati Municipal Corporation, Assam
19	Mr. Sandipan Das	Consultant (GIS)	Guwahati Municipal Corporation, Assam
20	Mr. Kisholay Das	Concerned Municipal Official	Guwahati Municipal Corporation, Assam
21	Ms. Hasina Begum	Concerned Municipal Official	Guwahati Municipal Corporation, Assam
22	Ms. Mami Baishya	Concerned Municipal Official	Guwahati Municipal Corporation, Assam
23	Mr. Parag Jyoti Bora	Concerned Municipal Official	Guwahati Municipal Corporation, Assam

Regional Specialized Training Programme on

City Level Approach in Implementing Programme on National Missions

30th - 31st January 2023 in Ahmedabad, Gujarat

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Rajesh Shrimali	Sanitary Inspector	Ahmedabad Municipal Corporation, Gujarat
2	Dr. Kinnari Mehta	Concerned Municipal Official	Ahmedabad Municipal Corporation, Gujarat
3	Mr. Aadil Mansuri	Multi-Purpose Health Worker	Ahmedabad Municipal Corporation, Gujarat
4	Mr. Ketan Jadav	MIS & IT Expert	Kalol Municipal Council, Gujarat
5	Mr. Brijesh Raval	Asst. Works Manager	Patan Municipal Council, Gujarat
6	Ms. Monika Patel	Municipal Engineer	Ahmedabad Municipal Corporation, Gujarat
7	Mr. Kamalkishor Parmar	Sanitation Superintendent	Ahmedabad Municipal Corporation, Gujarat
8	Ms. Anusaya Patel	Sanitary Inspector	Ahmedabad Municipal Corporation, Gujarat
9	Mr. Vilash Lodha	Project Manager	Ahmedabad Municipal Corporation, Gujarat
10	Mr. Dhaval Parikh	Municipal Engineer	Ahmedabad Municipal Corporation, Gujarat
11	Dr. Mahendra Gandhi	Municipal Engineer	Ahmedabad Municipal Corporation, Gujarat
12	Dr. Prakash Gupte	Sr. Consultant	Ahmedabad Municipal Corporation, Gujarat
13	Mr. Kalpeshgiri Meghnathi	Sr. Consultant	Ahmedabad Municipal Corporation, Gujarat
14	Mr. Vanrajsinh Chauhan	Sr. Project Consultant	Ahmedabad Municipal Corporation, Gujarat

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Mayank Tripathi	Municipal Engineer	Ahmedabad Municipal Corporation, Gujarat
16	Mr. Vijay Jadav	Sr. Sanitary Inspector	Ahmedabad Municipal Corporation, Gujarat
17	Mr. Hiteshbhai Parmar	Elected Representative	Ahmedabad Municipal Corporation, Gujarat
18	Mr. Bhavesh Sindha	Executive Officer	Ahmedabad Municipal Corporation, Gujarat
19	Mr. Kanji Kodifad	Sanitary Inspector	Ahmedabad Municipal Corporation, Gujarat
20	Ms. Rubina Mansuri	IT Expert	Ahmedabad Municipal Corporation, Gujarat
21	Mr. Mahesh Dabhi	IT Expert	Ahmedabad Municipal Corporation, Gujarat
22	Mr. Jigar Joshi	Sanitary Inspector	Kalol Municipal Council, Gujarat
23	Ms. Aartiben Charda	Elected Representative	Ahmedabad Municipal Corporation, Gujarat
24	Ms. Parulben Patel	Elected Representative	Ahmedabad Municipal Corporation, Gujarat
25	Mr. Ketankumar Patel	Elected Representative	Ahmedabad Municipal Corporation, Gujarat
26	Mr. Ajay Desai	Elected Representative	Ahmedabad Municipal Corporation, Gujarat
27	Ms. Rajashreeben Patel	Elected Representative	Ahmedabad Municipal Corporation, Gujarat
28	Mr. Hirabhai Parmar	Elected Representative	Ahmedabad Municipal Corporation, Gujarat
29	Mr. Bharatbhai Patel	Elected Representative	Ahmedabad Municipal Corporation, Gujarat
30	Mr. Swami Dixit	Technical Staff	Patan Municipal Council, Gujarat

Regional Specialized Training Programme on

Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM)

7th & 8th February 2023 in Surat, Gujarat

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Ranchhodbhai Patel	Project Officer	Surat Municipal Corporation, Gujarat
2	Ms. Kavtaben Desai	Dy. Project Officer	Surat Municipal Corporation, Gujarat
3	Mr. Jaimin Prajapati	Dy. Project Officer	Surat Municipal Corporation, Gujarat
4	Ms. Mumtazbibi Malek	Assistant Accountant	Surat Municipal Corporation, Gujarat
5	Ms. Jayshreeben Patel	Community Organizer	Surat Municipal Corporation, Gujarat
6	Ms. Jashuben Gamit	Community Organizer	Surat Municipal Corporation, Gujarat
7	Mr. Narendrasinh Dabhi	Community Organizer	Surat Municipal Corporation, Gujarat
8	Mr. Rameshbhai Mer	Community Organizer	Surat Municipal Corporation, Gujarat
9	Ms. Pushpaben Parmar	Community Organizer	Surat Municipal Corporation, Gujarat
10	Mr. Harshadkumar Sindhav	Community Organizer	Surat Municipal Corporation, Gujarat
11	Ms. Abhilasha Patel	Community Organizer	Surat Municipal Corporation, Gujarat
12	Ms. Arti Bhanderi	Community Organizer	Surat Municipal Corporation, Gujarat
13	Mr. Rajesh Gamit	Community Organizer	Surat Municipal Corporation, Gujarat
14	Mr. Dharmesh Patel	Community Organizer	Surat Municipal Corporation, Gujarat

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Arikbhai Vasava	Community Organizer	Surat Municipal Corporation, Gujarat
16	Ms. Tulsi Nayak	Community Organizer	Surat Municipal Corporation, Gujarat
17	Mr. Kalpesh Trivedi	Community Organizer	Surat Municipal Corporation, Gujarat
18	Mr. Chandrakant Solanki	Community Organizer	Surat Municipal Corporation, Gujarat
19	Mr. Ashish Khatara	Community Organizer	Surat Municipal Corporation, Gujarat
20	Mr. Harshkumar Talaviya	Community Organizer	Surat Municipal Corporation, Gujarat
21	Ms. Dipa Sarasiya	Concerned Municipal Official	Surat Municipal Corporation, Gujarat
22	Mr. Gauravbhai Solanki	Concerned Municipal Official	Surat Municipal Corporation, Gujarat
23	Ms. Manisha Ravdaka	Concerned Municipal Official	Surat Municipal Corporation, Gujarat
24	Mr. Jagdish Chaudhari	Concerned Municipal Official	Surat Municipal Corporation, Gujarat
25	Mr. Nayna Patel	Concerned Municipal Official	Surat Municipal Corporation, Gujarat
26	Ms. Rachana Modi	Concerned Municipal Official	Surat Municipal Corporation, Gujarat
27	Mr. Ankit Kalathiya	SEP Manager	Surat Municipal Corporation, Gujarat
28	Mr. Jatin Jadvani	MIS Manager	Surat Municipal Corporation, Gujarat
29	Ms. Pritiben Chavda	Community Organizer	Surat Municipal Corporation, Gujarat
30	Ms. Ankitaben Mewawala	Community Organizer	Surat Municipal Corporation, Gujarat
31	Ms. Gohil Jaguriben	Community Organizer	Surat Municipal Corporation, Gujarat
32	Ms. Kirtiben Purani	Community Organizer	Surat Municipal Corporation, Gujarat
33	Ms. Varshaben Patel	Community Organizer	Surat Municipal Corporation, Gujarat
34	Ms. Neelima Dubey	Community Organizer	Surat Municipal Corporation, Gujarat

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
35	Ms. Nikiben Ark	Community Organizer	Surat Municipal Corporation, Gujarat
36	Ms. Kalpanaben Solanki	Community Organizer	Surat Municipal Corporation, Gujarat
37	Ms. Sunitaben Chowdhury	Community Organizer	Surat Municipal Corporation, Gujarat
38	Ms. Indrani Rajput	Community Organizer	Surat Municipal Corporation, Gujarat
39	Ms. Kavtaben Thorat	Community Organizer	Surat Municipal Corporation, Gujarat
40	Ms. Amita Gameet	Community Organizer	Surat Municipal Corporation, Gujarat
41	Ms. Neeta Patel	Community Organizer	Surat Municipal Corporation, Gujarat
42	Ms. Sheetal Patel	Community Organizer	Surat Municipal Corporation, Gujarat
43	Ms. Sonal Patel	Community Organizer	Surat Municipal Corporation, Gujarat
44	Ms. Kirtibala Patel	Community Organizer	Surat Municipal Corporation, Gujarat
45	Ms. Jyotsnaben Tilora	Chairperson	Rajkot Municipal Corporation, Gujarat
46	Ms. Kashmira Vadher	Project Officer	Rajkot Municipal Corporation, Gujarat
47	Ms. Dipti Agariya	Community Organizer	Rajkot Municipal Corporation, Gujarat
48	Mr. Thobhanbhai Jambukiya	Community Organizer	Rajkot Municipal Corporation, Gujarat
49	Mr. Nikunj Rajguru	SEP Manager	Rajkot Municipal Corporation, Gujarat

Regional Specialized Training Programme on

Role of Elected Representatives and Project Functionaries in Implementing Programmes on National Missions

20th - 21st February 2023 in Rajkot, Gujarat

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Darshan Ramanuj	Community Organizer	Talaja Municipal Council, Gujarat
2	Mr. Mansukhbhai Dabhi	Concerned Municipal Official	Talaja Municipal Council, Gujarat
3	Ms. Tulsi Kambad	Community Organizer	Vallabhpur Municipal Council, Gujarat
4	Ms. Rashila Shakaria	Elected Representative	Rajkot Municipal Corporation, Gujarat
5	Mr. Ketan Swadas	Municipal Accountant	Viramgam Municipal Council, Gujarat
6	Mr. Haresh Makwana	Municipal Engineer	Paletana Municipal Council, Gujarat
7	Mr. Ghansham Posatar	Manager (NULM)	Paletana Municipal Council, Gujarat
8	Mr. Priyank Lavadia	Sanitary Inspector	Paletana Municipal Council, Gujarat
9	Mr. Bhavesh Dethariya	Elected Representative	Rajkot Municipal Corporation, Gujarat
10	Ms. Dakshaben Waghela	Elected Representative	Rajkot Municipal Corporation, Gujarat
11	Ms. Varsha Ralpray	Elected Representative	Rajkot Municipal Corporation, Gujarat
12	Ms. Durgaba Jadeja	Elected Representative	Rajkot Municipal Corporation, Gujarat
13	Ms. Bharati Makwana	Elected Representative	Rajkot Municipal Corporation, Gujarat
14	Ms. Kanchan Shitpura	Elected Representative	Rajkot Municipal Corporation, Gujarat

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Ms. Ruchita Joshi	Elected Representative	Rajkot Municipal Corporation, Gujarat
16	Ms. Lilu Jadhav	Elected Representative	Rajkot Municipal Corporation, Gujarat
17	Ms. Priti Doshi	Elected Representative	Rajkot Municipal Corporation, Gujarat
18	Ms. Mittal Lathiya	Elected Representative	Rajkot Municipal Corporation, Gujarat
19	Mr. Nirav Padalia	SBM Expert	Rajkot Municipal Corporation, Gujarat
20	Ms. Naynaben Pedhaliya	Elected Representative	Rajkot Municipal Corporation, Gujarat
21	Ms. Jyotsna Tilala	Elected Representative	Rajkot Municipal Corporation, Gujarat
22	Dr. Rajeshree Dodeja	Elected Representative	Rajkot Municipal Corporation, Gujarat
23	Mr. Shantilal Bathvar	Community Organizer	Rajkot Municipal Corporation, Gujarat
24	Mr. Ramsinghbhai Muniya	Community Organizer	Rajkot Municipal Corporation, Gujarat
25	Mr. Bthobhanbhai Jambukiya	Community Organizer	Rajkot Municipal Corporation, Gujarat
26	Mr. Dharmeshbhai Sumera	Community Organizer	Rajkot Municipal Corporation, Gujarat
27	Mr. Bansi Dabhi	Community Organizer	Rajkot Municipal Corporation, Gujarat
28	Mr. Ashray Oza	Community Organizer	Rajkot Municipal Corporation, Gujarat
29	Ms. Chhayaben Makadiya	Community Organizer	Rajkot Municipal Corporation, Gujarat
30	Mr. Atul Vaghela	Community Organizer	Rajkot Municipal Corporation, Gujarat
31	Mr. Chetan Chotaliya	Community Organizer	Rajkot Municipal Corporation, Gujarat
32	Ms. Jivuben Bhammar	Community Organizer	Rajkot Municipal Corporation, Gujarat
33	Ms. Jignashaben Raval	Community Organizer	Rajkot Municipal Corporation, Gujarat
34	Mr. Nikunj Rajguru	Community Organizer	Rajkot Municipal Corporation, Gujarat

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
35	Mr. Manish Radia	Elected Representative	Rajkot Municipal Corporation, Gujarat
36	Ms. Kankuben Udreja	Elected Representative	Rajkot Municipal Corporation, Gujarat
37	Mr. Viral Chawala	Municipal Engineer	Rajkot Municipal Corporation, Gujarat
38	Mr. Chetan Sureja	Elected Representative	Rajkot Municipal Corporation, Gujarat
39	Ms. Parul Waghela	Community Organizer	Rajkot Municipal Corporation, Gujarat
40	Ms. Vaishali Rodia	Concerned Municipal Official	Vallabhpur Municipal Council, Gujarat
41	Ms. Vilas Wadhvana	Sanitary Inspector	Vallabhpur Municipal Council, Gujarat
42	Mr. Dhawal Maru	Urban Planner	Rajkot Municipal Corporation, Gujarat
43	Ms. Sonal Gohil	Community Organizer	Rajkot Municipal Corporation, Gujarat
44	Ms. Manisha Gohil	Community Organizer	Rajkot Municipal Corporation, Gujarat
45	Ms. Gayatriben Parmar	Community Organizer	Rajkot Municipal Corporation, Gujarat
46	Ms. Kanchan Chauhan	Community Organizer	Rajkot Municipal Corporation, Gujarat
47	Ms. Naynaben Kathad	Community Organizer	Rajkot Municipal Corporation, Gujarat
48	Mr. Vijay Jitendra	Community Organizer	Rajkot Municipal Corporation, Gujarat
49	Mr. Narendrabhai Dav	Elected Representative	Rajkot Municipal Corporation, Gujarat
50	Ms. Dimpal Sapariya	Community Organizer	Rajkot Municipal Corporation, Gujarat
51	Mr. Kalpesh Gore	Community Organizer	Rajkot Municipal Corporation, Gujarat
52	Ms. Anita Bagada	Community Organizer	Rajkot Municipal Corporation, Gujarat
53	Ms. Sonal Rathod	Community Organizer	Rajkot Municipal Corporation, Gujarat
54	Ms. Jagruti Rathod	Community Organizer	Rajkot Municipal Corporation, Gujarat

55	Ms. Dipti Agariya	Community Organizer	Rajkot Municipal Corporation, Gujarat
56	Mr. Ravi Bhatti	Community Organizer	Rajkot Municipal Corporation, Gujarat

Regional Specialized Training Programme on

Role of Elected Representatives and Executives in Implementing Programme on National Missions

21st – 22nd February 2023 in Vadodara, Gujarat

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Dr. Rajesh Shah	Concerned Municipal Official	Vadodara Municipal Corporation, Gujarat
2	Mr. Chintanbhai Desai	Municipal Secretary	Vadodara Municipal Corporation, Gujarat
3	Mr. Santosh Tiwari	Chief Accountant	Vadodara Municipal Corporation, Gujarat
4	Mr. Nitin Solanki	Concerned Municipal Official	Vadodara Municipal Corporation, Gujarat
5	Ms. Rupal Mehta	Elected Representative	Vadodara Municipal Corporation, Gujarat
6	Ms. Hemlata Tadvi	Elected Representative	Vadodara Municipal Corporation, Gujarat
7	M. Punita Vyas	Elected Representative	Vadodara Municipal Corporation, Gujarat
8	Ms. Varshaben Vyas	Elected Representative	Vadodara Municipal Corporation, Gujarat
9	Ms. Pratyush Patankar	Elected Representative	Vadodara Municipal Corporation, Gujarat
10	Mr. Pankaj Soni	Elected Representative	Vadodara Municipal Corporation, Gujarat
11	Mr. Prafulla Jethwa	Elected Representative	Vadodara Municipal Corporation, Gujarat
12	Ms. Snehal Patel	Elected Representative	Vadodara Municipal Corporation, Gujarat
13	Ms. Jagruti Kaka	Elected Representative	Vadodara Municipal Corporation, Gujarat
14	Ms. Avani Dhaval Stampwala	Elected Representative	Vadodara Municipal Corporation, Gujarat

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Ms. Leela Makwana	Elected Representative	Vadodara Municipal Corporation, Gujarat
16	Ms. Chhaya Kharadi	Elected Representative	Vadodara Municipal Corporation, Gujarat
17	Ms. Jyoti Patel	Elected Representative	Vadodara Municipal Corporation, Gujarat
18	Ms. Jalam Cholshi	Elected Representative	Vadodara Municipal Corporation, Gujarat
19	Ms. Sumita Prabhu	Elected Representative	Vadodara Municipal Corporation, Gujarat
20	Ms. Rita Ahuja	Elected Representative	Vadodara Municipal Corporation, Gujarat
21	Ms. Mahalaxmi Setiyar	Elected Representative	Vadodara Municipal Corporation, Gujarat
22	Ms. Rashmika Vaghela	Elected Representative	Vadodara Municipal Corporation, Gujarat
23	Ms. Rita Singh	Elected Representative	Vadodara Municipal Corporation, Gujarat
24	Mr. Hirabhai Kanjwani	Elected Representative	Vadodara Municipal Corporation, Gujarat
25	Mr. Rajesh Pragati	Elected Representative	Vadodara Municipal Corporation, Gujarat
26	Mr. Harish Patel	Elected Representative	Vadodara Municipal Corporation, Gujarat
27	Ms. Surekhaben Patel	Elected Representative	Vadodara Municipal Corporation, Gujarat
28	Ms. Meenaba Chauhan	Elected Representative	Vadodara Municipal Corporation, Gujarat
29	Dr. Hitendra Patel	Elected Representative	Vadodara Municipal Corporation, Gujarat
30	Mr. Vinodbhai Bharvad	Elected Representative	Vadodara Municipal Corporation, Gujarat
31	Mr. Sanjay Ravade	Elected Representative	Vadodara Municipal Corporation, Gujarat
32	Ms. Shweta Uttekar	Elected Representative	Vadodara Municipal Corporation, Gujarat
33	Ms. Bhumika Rana	Elected Representative	Vadodara Municipal Corporation, Gujarat
34	Ms. Pritiben Bhatt	Elected Representative	Vadodara Municipal Corporation, Gujarat

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
35	Mr. Girish Kotecha	Elected Representative	Junagadh Municipal Corporation, Gujarat
36	Mr. H. K. Parmar	Elected Representative	Junagadh Municipal Corporation, Gujarat
37	Mr. Kalpesh Tolia	Secretary	Junagadh Municipal Corporation, Gujarat
38	Ms. Falguni Desai	Elected Representative	Bardoli Municipal Council, Gujarat
39	Ms. Rekha Vashi	Elected Representative	Mandvi Municipal Council, Gujarat
40	Ms. Umisha Vasava	Elected Representative	Vadodara Municipal Corporation, Gujarat
41	Ms. Jayashri Solanki	Elected Representative	Vadodara Municipal Corporation, Gujarat
42	Ms. Ami Ravat	Elected Representative	Vadodara Municipal Corporation, Gujarat
43	Ms. Sargita Utte	Elected Representative	Vadodara Municipal Corporation, Gujarat
44	Ms. Alka Patel	Elected Representative	Vadodara Municipal Corporation, Gujarat
45	Ms. Sangita Chokshi	Elected Representative	Vadodara Municipal Corporation, Gujarat
46	Mr. Ghansham Patel	Elected Representative	Vadodara Municipal Corporation, Gujarat
47	Ms. Tejalben Vyas	Elected Representative	Vadodara Municipal Corporation, Gujarat
48	Ms. Rakhiben Shah	Elected Representative	Vadodara Municipal Corporation, Gujarat
49	Mr. Parag Modi	Ward Officer	Vadodara Municipal Corporation, Gujarat
50	Ms. Varsha Patel	Elected Representative	Vita Municipal Council, Gujarat
51	Mr. R. V. Parmar	Elected Representative	Vita Municipal Council, Gujarat
52	Ms. Twinkle Trivedi	Elected Representative	Vadodara Municipal Corporation, Gujarat
53	Mr. Ranjan Vaghela	Elected Representative	Nadiad Municipal Council, Gujarat

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
54	Ms. Kinnary Shah	Elected Representative	Nadiad Municipal Council, Gujarat
55	Ms. Priti Makwana	Elected Representative	Nadiad Municipal Council, Gujarat
56	Mr. B. S. Vasava	Ward Officer	Vadodara Municipal Corporation, Gujarat
57	Ms. Tulsi Solanki	Sr. Sanitary Inspector	Vadodara Municipal Corporation, Gujarat
58	Mr. Darsgan Ravat	Sanitary Inspector	Vadodara Municipal Corporation, Gujarat
59	Mr. Naitik Shah	Elected Representative	Vadodara Municipal Corporation, Gujarat
60	Mr. Fatabhai Barfi	Asst. Municipal Commissioner	Vadodara Municipal Corporation, Gujarat
61	Ms. Jana Desai	Elected Representative	Vadodara Municipal Corporation, Gujarat
62	Ms. Shila Vyas	Elected Representative	Mahemdabad Municipal Council, Gujarat
63	Ms. Krishna Solanki	Ward Officer	Vadodara Municipal Corporation, Gujarat
64	Ms. Priyanka Oza	Elected Representative	Vadodara Municipal Corporation, Gujarat
65	Mr. Sandeep Vala	Elected Representative	Vadodara Municipal Corporation, Gujarat
66	Ms. Neeti Kharadi	Elected Representative	Vadodara Municipal Corporation, Gujarat

Regional Specialized Training Programme on

Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM)

15th March 2023 in Jaipur, Rajasthan

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Manish Agarwal	District Mission Manager	Greater Jaipur Municipal Corporation, Rajasthan
2	Ms. Hemlata Diwakar	District Mission Manager	Greater Jaipur Municipal Corporation, Rajasthan
3	Mr. Mahaveer Singh	District Mission Manager	Ajmer Municipal Corporation, Rajasthan
4	Mr. Omprakash Kushwah	District Mission Manager	Sriganganagar Municipal Council, Rajasthan
5	Mr. Ajay Singh Shekhawat	District Mission Manager	Churu Municipal Council, Rajasthan
6	Mr. Surender Singh Tanwar	District Mission Manager	Hanumangarh Municipal Council, Rajasthan
7	Mr. Sunilkumar Saini	District Mission Manager	Banswara Municipal Council, Rajasthan
8	Ms. Renu Singh	District Mission Manager	Bharatpur Municipal Council, Rajasthan
9	Mr. Ajay Bansal	District Mission Manager	Jaipur Heritage Municipal Corporation, Rajasthan
10	Mr. Gautam Mathur	District Mission Manager	Barmer Municipal Council, Rajasthan
11	Mr. Narendra Swami	District Mission Manager	Jodhpur Municipal Corporation, Rajasthan
12	Mr. Lalitkumar Lodha	District Mission Manager	Jaisalmer Municipal Corporation, Rajasthan
13	Mr. Hitendra Sharmal	District Mission Manager	Jalore Municipal Council, Rajasthan
14	Mr. Hanuman Sharma	District Mission Manager	Sirohi Municipal Council, Rajasthan

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Dineshkumar Sharma	District Mission Manager	Jhunjhunu Municipal Council, Rajasthan
16	Ms. Deepali Gupta	District Mission Manager	Bharatpur Municipal Council, Rajasthan
17	Mr. Ramkishor Choudhary	District Mission Manager	Jodhpur (North) Municipal Corporation, Rajasthan
18	Mr. Suraj Rathore	District Mission Manager	Jhalawar Municipal Council, Rajasthan
19	Mr. Ramesh Meeswal	District Mission Manager	Bhilwada Municipal Council, Rajasthan
20	Ms. Priyanka Pathak	District Mission Manager	Sawai Madhopur Municipal Council, Rajasthan
21	Dr. Monica Soni	District Mission Manager	Bundi Municipal Council, Rajasthan
22	Mr. Sandeep Joshi	District Mission Manager	Kota (North) Municipal Corporation, Rajasthan
23	Mr. Bhanupratap Singh	District Mission Manager	Udaipur Municipal Corporation, Rajasthan
24	Mr. Kamal Kishormand	District Mission Manager	Chittorgarh Municipal Council, Rajasthan
25	Mr. Kishanlal Jajpora	District Mission Manager	Pratapgarh Municipal Council, Rajasthan
26	Mr. Sonu Kanwar	District Mission Manager	Jaipur Heritage Municipal Corporation, Rajasthan
27	Ms. Sonu Kumari	District Mission Manager	Jodhpur Municipal Corporation, Rajasthan
28	Mr. Sunil Yadav	District Mission Manager	Rajasmand Municipal Council, Rajasthan
29	Mr. Harsh Vardhan Singh	District Mission Manager	Dungarpur Municipal Council, Rajasthan
30	Ms. Divya Upadhyay	District Mission Manager	Karauli Municipal Council, Rajasthan
31	Mr. Yatendra Sharma	District Mission Manager	Alwar Municipal Council, Rajasthan
32	Ms. Meenakshi Kanwar	District Mission Manager	Alwar Municipal Council, Rajasthan
33	Mr. Bhanwarlal Bairwa	Project Director	Department of Local Self Government, GoR
34	Mr. Shambhulal Jagarwal	Joint Director	Department of Local Self Government, GoR

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
35	Mr. Sagar Kaushik	District Mission Manager	Kota Municipal Corporation, Rajasthan
36	Mr. Abhishek Bharadwaj	District Mission Manager	Bikaner Municipal Corporation, Rajasthan
37	Mr. Ghanshyam Bairwa	District Mission Manager	Tonk Municipal Council, Rajasthan
38	Mr. Ramprasad Meena	District Mission Manager	Jaipur Municipal Corporation, Rajasthan
39	Mr. Naveen Kaushik	District Mission Manager	Nagaur Municipal Council, Rajasthan
40	Mr. Ashish Sharma	District Mission Manager	Sikar Municipal Council, Rajasthan
41	Mr. Radheshyam Sharma	Project Manager	Department of Local Self Government, GoR
42	Mr. Manoj Kumar	Concerned Municipal Official	Department of Local Self Government, GoR
43	Ms. Lekhani Sharma	Community Organizer	–
44	Mr. Rajesh Agarwal	Concerned Municipal Official	Department of Local Self Government, GoR
45	Mr. Satya Narayan Nagar	District Mission Manager	Baran Municipal Council, Rajasthan

Regional Specialized Training Programme on

Deendayal Antyodaya Yojana - National Urban Livelihoods Mission (DAY-NULM)

16th March 2023 in Jaipur, Rajasthan

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Ms. Bhagvati Devi Banjara	President, ALF	Nai Roshani ALF, Chittorgarh, Rajasthan
2	Ms. Anita Kanwar	President, ALF	Balaji Self Help Group, Chittorgarh, Rajasthan
3	Ms. Vandana Arya	Secretary, ALF	Ekta ALF, Hanumangarh, Rajasthan
4	Ms. Bimla Devi	Dy. President, ALF	Jai Shree Shyam ALF, Hanumangarh, Rajasthan
5	Ms. Parvati Devi	President, ALF	Pratigya Sehari Mahila ALF, Dausa, Rajasthan
6	Ms. Geeta Prajapati	Secretary, ALF	Bulandi Sehari Mahila ALF, Dausa, Rajasthan
7	Ms. Anuradha Dixit	Secretary, ALF	Sakhi ALF, Ajmer, Rajasthan
8	Ms. Gayatri Verma	President, ALF	Pragati ALF, Ajmer, Rajasthan
9	Ms. Neerja Jadaun	Secretary, ALF	Kushalgarh Mahila ALF, Sawai Madhopur, Rajasthan
10	Ms. Renu Sharma	President, ALF	Lakshya ALF, Bharatpur, Rajasthan
11	Ms. Seeta Kumari	Secretary, ALF	Laxmi ALF, Bharatpur, Rajasthan
12	Ms. Priya Kanwar	Member, ALF	Laxmi ALF, Bharatpur, Rajasthan
13	Ms. Aruna Saini	President, ALF	Siddhivinayak Shahari ALF, Churu, Rajasthan
14	Ms. Indra Devi	Member, ALF	Siddhivinayak Shahari ALF, Churu, Rajasthan

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Ms. Parmeshwari Saini	Secretary, ALF	Siddhivinayak Shahari ALF, Churu, Rajasthan
16	Mr. Vijay	Member, ALF	Sakhi ALF, Ajmer, Rajasthan
17	Mr. G. R. Vishwanath	Member, ALF	Lakshya ALF, Bharatpur, Rajasthan
18	Ms. Shilpi Gaur	President, ALF	Sambhal Mahila ALF, Sawai Madhopur, Rajasthan
19	Ms. Meenakshi Joshi	President, ALF	Kushalgarh Mahila ALF, Sawai Madhopur, Rajasthan
20	Ms. Meena Tanwar	President, ALF	Majisa JSS SHG, Bikaner, Rajasthan
21	Ms. Neetu Choudhary	President, ALF	Balaji JSS SHG, Bikaner, Rajasthan
22	Ms. Monika Gupta	Secretary, ALF	Hanumangarh, Rajasthan
23	Mr. Kiran Sinha	Concerned Municipal Official	CFAR, Jaipur, Rajasthan
24	Mr. Rajat Bhardwaj	Concerned Municipal Official	CFAR, Jaipur, Rajasthan
25	Ms. Mina Kumari	Member, ALF	Vaishno Devi ALF, Alwar, Rajasthan
26	Ms. Leela Devi	President, ALF	Jai Mata di ALF, Alwar, Rajasthan
27	Ms. Seema Devi	President, ALF	Nari Shakti ALF, Alwar, Rajasthan
28	Mr. Manish Meena	Chief Executive Officer	Alwar Municipal Council, Rajasthan
29	Mr. Aashik Khan	Chief Executive Officer	Alwar Municipal Council, Rajasthan
30	Ms. Babita Sharma	Member, ALF	ALF Jaipur, Rajasthan
31	Mr. Lalit Hatad	Member, ALF	Ambe Mahila Vikas Samiti, Khandela, Sikar, Rajasthan
32	Ms. Sapna Chavriya	President, ALF	Ambe Mahila Vikas Samiti, Khandela, Sikar, Rajasthan
33	Ms. Chanchal Chaudhary	Secretary, ALF	Shiv Mahila Vikas Samiti, Khandela, Sikar, Rajasthan
34	Mr. Santosh Kumar Saini	Secretary, ALF	Vinayak Mahila Vikas Samiti, Sawai Madhopur, Rajasthan

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
35	Ms. Astha Yogi	President, ALF	Vinayak Mahila Vikas Samiti, Sawai Madhopur, Rajasthan
36	Mr. Abhishek Bharadwaj	District Mission Manager	Bikaner Municipal Corporation, Rajasthan
37	Mr. Ghanshyam Bairwa	District Mission Manager	Tonk Municipal Council, Rajasthan
38	Mr. Ramprasad Meena	District Mission Manager	Jaipur Municipal Corporation, Rajasthan
39	Mr. Naveen Kaushik	District Mission Manager	Nagaur Municipal Council, Rajasthan
40	Mr. Ashish Sharma	District Mission Manager	Sikar Municipal Council, Rajasthan
41	Mr. Radheshyam Sharma	Project Manager	Department of Local Self Government, GoR
42	Mr. Manoj Kumar	Concerned Municipal Official	Department of Local Self Government, GoR
43	Ms. Lekhani Sharma	Community Organizer	–
44	Mr. Rajesh Agarwal	Concerned Municipal Official	Department of Local Self Government, GoR
45	Mr. Satya Narayan Nagar	District Mission Manager	Baran Municipal Council, Rajasthan
46	Mr. Ravi Kiran Kumar	State Project Manager	CFAR, Jaipur, Rajasthan
47	Ms. Renu Saini	Member, ALF	Riddhi Siddhi ALF, Jaipur, Rajasthan
48	Ms. Nisha Saini	Member, ALF	Riddhi Siddhi ALF, Jaipur, Rajasthan
49	Ms. Shobha	President, ALF	Shree Ganesh ALF, Karauli, Rajasthan
50	Mr. Sashi Chouhan	President, ALF	Rudra ALF, Karauli, Rajasthan
51	Mr. Manoj Kumar Sharma	Concerned Municipal Official	Department of Local Self Government, GoR
52	Mr. Shambhu Jagarwal	Joint Director	Department of Local Self Government, GoR
53	Mr. Rajesh Agarwal	Concerned Municipal Official	Department of Local Self Government, GoR

Regional Seminar on

City Wide Inclusive Sanitation (CWIS)

28th September 2022 in Mumbai, Maharashtra

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Dattaram Karanje	Jr. Overseer	Brihanmumbai Municipal Corporation, Maharashtra
2	Mr. G. D. Mittal	Representative of NGO	Indian Nuclear Society, Maharashtra
3	Mr. Vaibhav Bagave	Jr. Overseer	Brihanmumbai Municipal Corporation, Maharashtra
4	Mr. Akash Parab	Municipal Engineer	Brihanmumbai Municipal Corporation, Maharashtra
5	Mr. Yogesh Rajput	Municipal Engineer	Brihanmumbai Municipal Corporation, Maharashtra
6	Mr. Aniket Deshmukh	Municipal Engineer	Brihanmumbai Municipal Corporation, Maharashtra
7	Mr. Swapnil Sawant	Municipal Engineer	Brihanmumbai Municipal Corporation, Maharashtra
8	Mr. Vasant Chavhan	Sewerage Operation Inspector	Brihanmumbai Municipal Corporation, Maharashtra
9	Mr. Mahesh Kakade	Sewerage Operation Inspector	Brihanmumbai Municipal Corporation, Maharashtra
10	Mr. Santosh Yadav	Sewerage Operation Inspector	Brihanmumbai Municipal Corporation, Maharashtra
11	Ms. Seema Redkar	Representative of NGO	Pratha Sanstha, Mumbai, Maharashtra
12	Mr. Jaiprakash Baisane	Representative of NGO	Pratha Sanstha, Mumbai, Maharashtra
13	Mr. Nandkumar Raskar	Sewerage Operation Inspector	Brihanmumbai Municipal Corporation, Maharashtra
14	Mr. Deepak Satam	Sewerage Operation Inspector	Brihanmumbai Municipal Corporation, Maharashtra
15	Mr. Deepak Koyande	Sewerage Operation Inspector	Brihanmumbai Municipal Corporation, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
16	Mr. Sadanand Gupta	Municipal Engineer	Brihanmumbai Municipal Corporation, Maharashtra
17	Mr. Ganesh Keluskar	Sewerage Operation Inspector	Brihanmumbai Municipal Corporation, Maharashtra
18	Mr. Rajesh Parab	Sewerage Operation Inspector	Brihanmumbai Municipal Corporation, Maharashtra
19	Mr. Khandu Dhonnar	Sewerage Operation Inspector	Brihanmumbai Municipal Corporation, Maharashtra
20	Mr. Chandrakant Golipkar	Sewerage Operation Inspector	Brihanmumbai Municipal Corporation, Maharashtra
21	Mr. Chandrakant Indulkar	Sewerage Operation Inspector	Brihanmumbai Municipal Corporation, Maharashtra
22	Mr. Prasad Shete	Representative of NGO	Private Company, Maharashtra
23	Mr. Atul Garg	Representative of NGO	
24	Mr. Sanjay Kudale	Sewerage Operation Inspector	Brihanmumbai Municipal Corporation, Maharashtra
25	Mr. Pundalik Awate	Former Municipal Engineer	Brihanmumbai Municipal Corporation, Maharashtra
26	Ms. Richa Kapoor	Representative of NGO	Surya Corporation, Mumbai, Maharashtra
27	Mr. Shubhaditya Chattarjee	Representative of NGO	Surya Corporation, Mumbai, Maharashtra
28	Mr. Shashibind Pandey	Representative of NGO	Surya Corporation, Mumbai, Maharashtra
29	Ms. Tanvi Shigwan	Representative of NGO	Surya Corporation, Mumbai, Maharashtra
30	Mr. Alok Gogate	Representative of NGO	Kushagra Innovations, Maharashtra
31	Ms. Payal Kapare	Representative of NGO	Kushagra Innovations, Maharashtra
32	Mr. G. Chourasiya	Representative of NGO	Indian Nuclear Society, Maharashtra
33	Ms. Zigisha Mhaskar	Representative of NGO	Kushagra Innovations, Maharashtra
34	Ms. Prachi Mendhe	Research Associate	RCUES of AILSG, Mumbai, Maharashtra
35	Ms. Avani Mulye	Research Associate	RCUES of AILSG, Mumbai, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
36	Ms. Utkarsha Kavadi	Director	RCUES of AIILSG, Mumbai, Maharashtra
37	Ms. Srushti Thakur	Research Associate	RCUES of AIILSG, Mumbai, Maharashtra
38	Ms. Apoorva Shinde	Research Associate	RCUES of AIILSG, Mumbai, Maharashtra
39	Ms. Avani Shikhare	Research Associate	RCUES of AIILSG, Mumbai, Maharashtra
40	Ms. Mrunali Waikul	Research Associate	RCUES of AIILSG, Mumbai, Maharashtra
41	Mr. Saurabh Kale	Resource Person	Escon Service Foundation, Pune, Maharashtra
42	Dr. Ajit Salvi	Resource Person	Brihanmumbai Municipal Corporation, Maharashtra
43	Ms. Arwa Bharmal	Resource Person	CEPT University, Ahmedabad, Gujarat
44	Mr. Vijay Sapkal	Resource Person	CARPE, Ecosattav, Aurangabad, Maharashtra
45	Mr. Anand Jagtap	Resource Person	Brihanmumbai Municipal Corporation, Maharashtra
46	Mr. Yusuf Kabir	WASH Specialist	UNICEF, Maharashtra
47	Ms. Aashima Parikh	Project Manager	RCUES of AIILSG, Mumbai, Maharashtra
48	Ms. Shweta Nagarkar	Project Manager	RCUES of AIILSG, Mumbai, Maharashtra
49	Ms. Neha Hardikar	Sr. Research Officer	RCUES of AIILSG, Mumbai, Maharashtra
50	Ms. Maleka Ansari	Sr. Research Officer	RCUES of AIILSG, Mumbai, Maharashtra
51	Ms. Mamata Shetty	Sr. Stenographer	RCUES of AIILSG, Mumbai, Maharashtra
52	Ms. Amruta Mandavkar	Clerk	RCUES of AIILSG, Mumbai, Maharashtra
53	Ms. Sayali Dolas	Clerk	RCUES of AIILSG, Mumbai, Maharashtra
54	Ms. Riddhi Vartak	Communication Expert	RCUES of AIILSG, Mumbai, Maharashtra

Regional Seminar on

Strengthening Community and Public Sanitation – Swachh Bharat Mission – Urban 2.0

19th November 2022 in Navi Mumbai, Maharashtra

List of Participants

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
1	Mr. Sameer Rane	Co-Founder	Viliso Tech, Maharashtra
2	Ms. Geeta Rane	Former District Officer	Water Supply and Sanitation Department, Mantralaya, Maharashtra
3	Mr. Dnyaneshwar Tarwade	Sr. Programme Manager	APNALAYA, Mumbai, Maharashtra
4	Mr. Sujit Nikalje	Consultant	YUVA, Mumbai, Maharashtra
5	Mr. Pravin Jadhav	Director	CYDA, Maharashtra
6	Mr. Amit Bhandare	Manager	APNALAYA, Mumbai, Maharashtra
7	Ms. Shreya Kumbhavdekar	Representative of NGO	Woloo, Maharashtra
8	Ms. Meena Kamble	Representative of NGO	Swachhata Sambandhi Sanstha Mahasangh, Maharashtra
9	Mr. P. S. Abdul Hassan	Representative of NGO	Nagrik Vikas Samiti, Maharashtra
10	Mr. Nawab Khan	Representative of NGO	Swachhata Sambandhi Sanstha Mahasangh, Maharashtra
11	Mr. Kesariprasad Jaiswar	Representative of NGO	Jai Matang Rishi Maharaj Pratishthan Seva Samiti, Maharashtra
12	Mr. Hasan Nizari	Representative of NGO	Praja Foundation, Maharashtra
13	Ms. Rose Saloni	Representative of NGO	Swachhata Sambandhi Sanstha Mahasangh, Maharashtra
14	Ms. Ashwini Gupta	Representative of NGO	Swachhata Sambandhi Sanstha Mahasangh, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
15	Mr. Ram Patkar	Municipal Engineer	Kulgaon Badlapur Municipal Council, Maharashtra
16	Mr. Sachin Joshi	Representative of NGO	Exam Eco Solution, Maharashtra
17	Mr. Vinayak Tande	Representative of NGO	Jai Bhavani Mitra Mandal, Maharashtra
18	Mr. Arvid Thakur	Representative of NGO	Jai Bhavani Mitra Mandal, Maharashtra
19	Mr. Sandeep More	Project Associate	Ecosan Service Manager, Maharashtra
20	Mr. Anand Ghodke	WASH Officer	UNICEF, Mumbai, Maharashtra
21	Ms. Bhakti Langote	Project Manager	Ecosan Service Manager, Maharashtra
22	Ms. Apurva Kulkarni	Project Associate	Ecosan Service Manager, Maharashtra
23	Mr. Shreedhar Shukla	Representative of NGO	Swachhata Sambandhi Sanstha Mahasangh, Maharashtra
24	Ms. Sayali Kharat	Representative of NGO	Swachhata Sambandhi Sanstha Mahasangh, Maharashtra
25	Ms. Mudigonda Nirmala	Representative of NGO	Swachhata Sambandhi Sanstha Mahasangh, Maharashtra
26	Ms. Komal Burte	Project Associate	Ecosan Service Manager, Maharashtra
27	Ms. Sakshi Bhagwat	Trainee	Ecosan Service Manager, Maharashtra
28	Ms. Shivani Jadhav	Project Associate	Ecosan Service Manager, Maharashtra
29	Mr. Ganesh Kale	Project Manager	Ecosan Service Manager, Maharashtra
30	Mr. Rajendra Sonawane	Chief Sanitary Officer	Navi Mumbai Municipal Corporation, Maharashtra
31	Mr. Vaibhav Deshmukh	Municipal Engineer	Navi Mumbai Municipal Corporation, Maharashtra
32	Mr. Rekha Patel	Representative of NGO	Bhumi Swachata Foundation, Mumbai, Dharavi
33	Ms. Revati Bhadulkar	Representative of NGO	Bhumi Swachata Foundation, Mumbai, Dharavi
34	Mr. Hanumant Koli	Municipal Engineer	Navi Mumbai Municipal Corporation, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
35	Ms. Kavita Gavhane	Representative of NGO	Swachhata Sambandhi Sanstha Mahasangh, Maharashtra
36	Ms. Bansode	Representative of NGO	Swachhata Sambandhi Sanstha Mahasangh, Maharashtra
37	Ms. Surekha Alder	Representative of NGO	Swachhata Sambandhi Sanstha Mahasangh, Maharashtra
38	Mr. M. Abbas	Representative of NGO	Swachhata Sambandhi Sanstha Mahasangh, Maharashtra
39	Mr. Sandip Patil	Sanitary Inspector	Navi Mumbai Municipal Corporation, Maharashtra
40	Mr. Dnyaneshwar Naik	Dy. Accountant	Navi Mumbai Municipal Corporation, Maharashtra
41	Mr. Shivkumar Mulay	Project Manager	Ecosan Service Manager, Maharashtra
42	Mr. Pratik Jadhav	Project Associate	Ecosan Service Manager, Maharashtra
43	Mr. Saurabh kale	Sr. Project Manager	Ecosan Service Manager, Maharashtra
44	Mr. Rajendra Dongre	Representative of NGO	Swachhata Sambandhi Sanstha Mahasangh, Maharashtra
45	Mr. Gajanan Khade	Municipal Engineer	Navi Mumbai Municipal Corporation, Maharashtra
46	Mr. Vikram Vaidya	Representative of NGO	Rajeshree Environment Solutions, Maharashtra
47	Mr. Amit Singh	Representative of NGO	Rajeshree Environment Solutions, Maharashtra
48	Ms. Radhika Boargaonkar	Project Manager	Ecosan Service Manager, Maharashtra
49	Dr. Dayanand Panse	Director	Ecosan Service Manager, Maharashtra
50	Mr. Rajkumar Nimbalkar	Representative of NGO	Bhumi Swachhata Foundation, Mumbai, Dharavi
51	Mr. Ramdas Kale	Representative of NGO	Bhumi Swachhata Foundation, Mumbai, Dharavi
52	Ms. Nayani Khurana	Communication Expert	RCUES of AILSG, Maharashtra
53	Ms. Sneha Bhattacharyya	Research Associate	RCUES of AILSG, Maharashtra
54	Ms. Mrunali Waikul	Research Associate	RCUES of AILSG, Maharashtra
55	Ms. Radhika Deore	Research Associate	RCUES of AILSG, Maharashtra

Sr. No.	Name of the Participant	Designation	Municipal Corporation / Council / Organisation
56	Ms. Srushti Thakur	Research Associate	RCUES of AILSG, Maharashtra
57	Ms. Aashima Parikh	Project Manager	RCUES of AILSG, Maharashtra
58	Ms. Neha Harikar	Sr. Research Officer	RCUES of AILSG, Maharashtra
59	Ms. Jayalakshmi Chekkala	Project Manager	RCUES of AILSG, Maharashtra
60	Ms. Riddhi Vartak	Research Associate	RCUES of AILSG, Maharashtra
61	Ms. Vanita Junghare	Municipal Engineer	Navi Mumbai Municipal Corporation, Maharashtra
62	Ms. Vrushali Beloshe	Municipal Engineer	Navi Mumbai Municipal Corporation, Maharashtra
63	Mr. Ajit Khavade	Municipal Engineer	Navi Mumbai Municipal Corporation, Maharashtra
64	Mr. Swapnil Chavan	Municipal Engineer	Navi Mumbai Municipal Corporation, Maharashtra
65	Mr. Chandrashekhar Sakpal	Co-Founder	Viliso Tech, Maharashtra
66	Dr. Shanta Sondur	Co-Founder	VESIT, Chembur, Maharashtra
67	Mr. Sandeep Tendolkar	Consultant	UNICEF, Mumbai, Maharashtra
68	Ms. Rupali Kelshikar	Co-Founder	Woloo Foundation, Maharashtra
69	Mr. Aditya Bhedasgaonkar	Sr. Manager	Ecosan Service Manager, Maharashtra
70	Mr. Anand Jagtap	Former Officer Special Duty	Brihanmumbai Municipal Corporation, Maharashtra
71	Mr. Babasaheb Rajale	Dy. Municipal Commissioner	Navi Mumbai Municipal Corporation, Maharashtra
72	Mr. Manoj Patil	Concerned Municipal Officials	Navi Mumbai Municipal Corporation, Maharashtra



Regional Centre for Urban & Environmental Studies
All India Institute of Local Self-Government, Mumbai

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