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Urban
Environ Vision
An Information Bulletin

Regional Centre for Urban & Environmental Studies
All India Institute of Local Self-Government, Mumbai
Established by the Ministry of Housing and Urban Affairs, Government of India, in the year 1968.

Urban Environ Vision aims to take its readers through Face to Face training programmes of RCUES, Mumbai while providing encouragement and knowledge to its participants and displays the efforts undertaken by RCUES, Mumbai.

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01

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, AIILSG, Mumbai initiated the first training programme by welcoming Dr. Jairaj Phatak, IAS (Retd.), Director General, AIILSG, 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, AIILSG, Mumbai.

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

INAUGURATION

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

Dr. Jairaj Phatak, IAS (Retd.), Director General, AIILSG 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.

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

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).

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.

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

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, AIILSG, 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, AIILSG, Mumbai.

GLIMPSES OF THE SPECIALIZED TRAINING PROGRAMMES

Section

02

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, AIILSG, Mumbai addressing the participants.

Ms. Neha Hardikar, Sr. Research Officer, RCUES, AIILSG, Mumbai commenced this training programme by welcoming

Dr. Jairaj Phatak, IAS (Retd.), Director General, AIILSG, 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.

INAUGURATION

Dr. Jairaj Phatak, IAS (Retd.), Director General, AIILSG 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, AIILSG, Mumbai were present during the inauguration.

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

TECHNICAL SESSIONS

The first technical session on 'City Level Approach for Missions' was delivered by Dr. Jairaj Phatak, IAS (Retd.), Director General, AIILSG, 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 significant indicators under DAY-NULM.

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

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.

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.

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

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. 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 (SHPSC) for submission before Apex Committee, MoHUA, GoI for final approval, she added.

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

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'.

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

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 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, AIILSG, Mumbai after feedback session.

GLIMPSES OF THE SPECIALIZED TRAINING PROGRAMME

Section

03

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 30 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

Mr. Dinesh Patel, Regional Director, AIILSG, Vadodara addressing the participants.

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, 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.

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.

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.

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.

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

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.

Ms. Nidhi Shah, Consultant, Price waterhouse Coopers (PwC) Pvt. Ltd., India, Ahmedabad addressing the participants.

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, AIILSG, 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 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.

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

SUMMING UP

Mr. R. A. Merza, IAS, Dy. Municipal Commissioner, AMC, Gujarat graced the concluding session by his presence. Ms. Hansa Patel, Executive Advisor, AIILSG, 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

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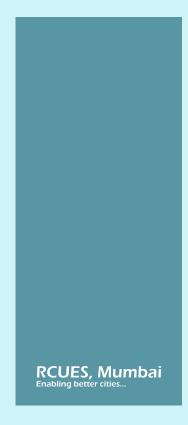All India Institute of
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Since 1968 the RCUES, Mumbai is supported by the Ministry of Housing and Urban Affairs, Government of India.

Printed by All India Institute of Local Self-Government, Mumbai.

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