

सत्यमेव जयते

# REGIONAL CENTRE FOR URBAN & ENVIRONMENTAL STUDIES, LUCKNOW

(MINISTRY OF HOUSING & URBAN AFFAIRS, GOVT. OF INDIA)

## NEWSLETTER

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*July—September 2023*



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Regional Centre for Urban & Environmental Studies (RCUES) Lucknow is one of the four centers in the country established by the Ministry of Housing and Urban Affairs, Government of India at Lucknow in the year 1968. The Regional Centre provides expertise, advisory services & consultancy services to urban local bodies and Parastatals. The Centre has completed its 50 glorious years and continues to perform its activity as Centre of Excellence.

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Ministry of Housing and Urban Affairs, Government of India &

Chairman National Review & Monitoring Committee, RCUES Lucknow

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## ONLINE TRAINING ON PROJECT MANAGEMENT, CONTRACT MANAGEMENT & PUBLIC PRIVATE PARTNERSHIP

### BACKGROUND

India is experiencing rapid urbanization, which presents both opportunities and challenges. To address these challenges and maximize the benefits of urbanization, MoHUA recognizes the need for a systematic approach to project management, contract management, and the promotion of PPPs in the urban development sector. This initiative aligns with the broader goal of creating sustainable and liveable cities in India.

In this context RCUES Lucknow organised two Online training programmes on Project Management, Contract Management, and Public-Private Partnership

List of Online Training Programmes	
Date	No. of Participants
03 July, 2023	30
04 July, 2023	22

for the ULB officials. The program aimed to provide participants with comprehensive knowledge and practical skills in these critical areas of project development and execution.

### OBJECTIVES OF THE TRAINING PROGRAMME

- To enhance participants' understanding of project management principles, tools, and best practices.
- To equip participants with the necessary skills to effectively manage contracts throughout their lifecycle.
- To provide insights into the concept and application of Public-Private Partnerships (PPP) for infrastructure development and public service delivery.

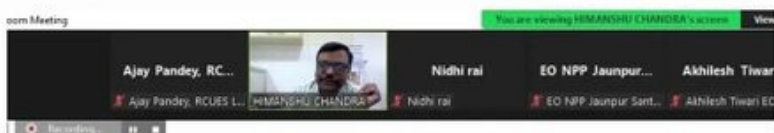
### TRAINING PROGRAMME HIGHLIGHTS:

**Project Management:** The training began with an in-depth exploration of project management, covering topics such as project initiation, planning, execution, monitoring, and closure. Participants engaged in practical exercises and case studies to apply the concepts discussed.

**Contract Management:** The program delved into the intricacies of contract management, including procurement, risk assessment, dispute resolution, and compliance. Real-world scenarios were analysed to enhance participants' contract management skills.

**Public-Private Partnership (PPP):** An overview of PPP models, their benefits, and challenges was provided. Case studies of successful PPP projects were examined, offering insights into best practices.

The training program on Project Management, Contract Management, and Public-Private Partnership was a resounding success, equipping participants with valuable skills and knowledge in these critical areas.



### Contract Management

By: Mr. Himanshu Chandra, Assistant Director

RC

Regional Centre for Urban & Envir

**Net Present Value (NPV)**

- The Decision Rule:**
  - The NPV is positive accept the project
  - Reject the project if the NPV is negative.
- The positive NPV of a proposal signifies the present worth of its inflows is more than the present worth of its out flows. Thus; the NPV represents the excess of benefits over the costs in real term.

**ACTIVITIES**

- Activities are shown as lines or arrows
- Activities require time and other resources

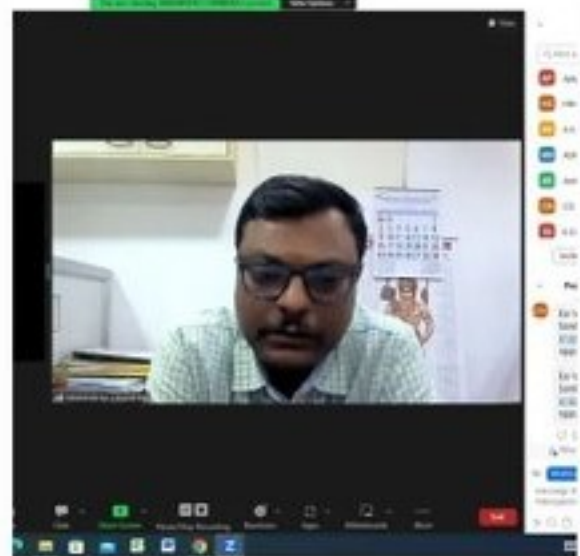


## PARTICIPANTS

The online training was attended by Executive Officer, Municipal Executive Officer, Accountant, Nodal Officer, Junior Engineer, MEO, Computer Operators from Uttar Pradesh, Chandigarh, Manipur, Odisha, Sikkim, Chhattisgarh, Bihar, Jharkhand, Uttarakhand & Madhya Pradesh. In total 52 participants attended the training.

## COORDINATOR:

The training programme was coordinated by Mr Himanshu Chandra, Assistant Director, RCUES, Lucknow.



## ONLINE TRAINING ON INCLUSIVE HOUSING POLICY (PMAY)

### BACKGROUND

Pradhan Mantri Awas Yojana (Urban), a flagship Mission of Government of India implemented by the Ministry of Housing and Urban Affairs (MoHUA), was launched on 25th June 2015. The Mission addresses urban housing shortage among the EWS/LIG and MIG categories including the slum dwellers by ensuring a pucca house to all eligible urban households by the year 2022, when nation completes 75 years of its Independence. PMAY (U) adopts a demand driven approach wherein the Housing shortage is decided based on demand assessment by States/UTs. All houses under PMAY(U) have basic amenities like toilet, water supply, electricity and kitchen. The Mission promotes women empowerment by providing the ownership of houses in name of female member or in joint name.

### List of Online Training Programmes

Date	No. of Participants
04 July, 2023	29
05 July, 2023	19

Preference is also given to differently abled persons, senior citizens, SCs, STs, OBCs, Minority, single women, transgender and other weaker & venerable sections of the society. A PMAY(U) house ensures dignified living along with sense of security and pride of ownership to the beneficiaries.

COVID-19 pandemic has resulted in reverse migration of urban migrants/ poor in the country. Urban migrants stay in slums/ informal settlements/ unauthorised colonies/ periurban areas to save cost on housing. They need decent rental housing at affordable rate at their work sites. In order to address

Objectives of the campaign include:

- Focus on best practices in water & energy conservation, and sanitation.
- Improve environment through convergence with various schemes of other Central Ministries.
- Engage communities and Resident Welfare Associations in self-constructed PMAY (U) houses by fostering cohesive social behaviour change management.
- Identify beneficiaries and facilitate them to implement best Water & Energy conservation, Waste Management, Tree plantation etc.

Regional Centre for Urban and Environmental Studies Lucknow

Flagship missions

Ministry of Housing & Urban Affairs

- Flagship Missions under the Ministry of Housing & Urban Affairs (MoHUA) aim to achieve Transformative, Inclusive and Sustainable development through planning, development and reforms for achieving Urban
- The flagship missions of the MoHUA are anchored in the ideals of sustainability

1. Swachh Bharat Mission-Urban, 2. Pradhan Mantri Awas Yojana- Urban, 3. Deendayal Antyodaya Yojana- National Urban Livelihood Mission, 4. Heritage Cities Development and Augmentation Yojana, 5. Atal Mission for Rejuvenation and Urban Transformation

RCUES, LUCKNOW (Host, me)

Dr. Arjun ... (Co-host, guest)

Akash Sharma (Guest)

Anchal Rani (Guest)

Deepak kumar (clerk) ... (Guest)

E.O. N P P Seohara B... (Guest)

EO datagang (Guest)

Meeting Chat

Designation -Executive Officer

Name of Organization-Nagar Palika Parishad Noorpur

City-Noorpur

Mob.no-8189078125

Email-nppnoorpur786@gmail.com

Rapid Urbanization with growing opportunities

India's Urban Population

Year	Urban Population (Million)	Share of Total Population (%)
1981	160	21%
1991	220	24%
2001	290	28%
2011	380	33%
2030	590	40%
2050	815	50%

Source: UN report on World Urbanisation Prospects (2014 revision)

- Till recently, India one of the largest and fastest growing economies in the world. It is witnessing massive public investment, robust private consumption, and structural reforms leading to rapid growth.
- Construction in India is emerging as the third largest sector globally. It may reach US \$750 billion in value by 2022.
- Cities, which will contribute over 80% to GDP by 2050, need to be Receptive, Innovative and Productive to foster sustainable growth and ensure better quality of living.
- Hence, a comprehensive strategy of 3-S Mantra has been adopted: Skill, Scale and Speed.

RCUES, LUCKNOW (Host, me)

Dr. Arjun ... (Co-host, guest)

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Anchal Rani (Guest)

Deepak kumar (clerk) ... (Guest)

E.O. N P P Seohara B... (Guest)

EO datagang (Guest)

Meeting Chat

State:

Lokesh Kumar, US, NP... to Everyone 2:12 PM

Name: Lokesh Kumar, Post: Urban Infrastructure Specialist, U.B. NPP Baraut (Baghpat), U.P., Mobile: 9720302425, Email: lokesh\_79vats@yahoo.com

Zoom Meeting

Participants: 10

Public Share Screen

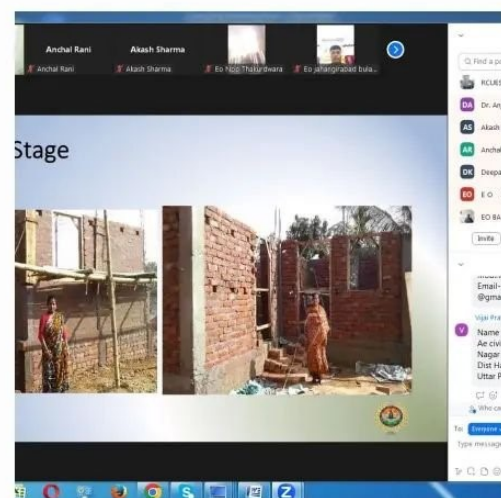
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More

End



this need, Ministry of Housing & Urban Affairs has initiated Affordable Rental Housing Complexes (ARHCs), a sub-scheme under Pradhan Mantri Awas Yojana- Urban (PMAY-U).

This will provide ease of living to urban migrants/poor in Industrial Sector as well as in non formal urban economy to get access to dignified affordable rental housing close to their workplace. In this context, two Online Training programmes on Inclusive Housing policy (PM Awas Yojana (Urban)).

## OBJECTIVES OF THE TRAINING PROGRAMME

- To highlight the status of urban poverty and approaches for its alleviation;
- To discuss and deliberate upon the various provisions and procedures of the Pradhan Mantri Awas Yojana;
- To highlight the problems and challenges in implementation of Pradhan Mantri Awas Yojana and suggesting measures for its effective implementation.
- To highlight the main features and provisions under Affordable Rental Housing Complexes (ARHCs), a sub-scheme under Pradhan Mantri Awas Yojana.

## PARTICIPANTS

The online trainings were attended by Executive Officer, Sanitary & Food Inspector, Junior Engineer, UIS, Computer Operator, DPM SBM-U, Community Organiser from Uttar Pradesh, Chhattisgarh & Jharkhand. In total 48 participants attended the training.

## COORDINATOR:

The training programme was coordinated by Dr Anjali Mishra, Joint Director, RCUES, Lucknow.



## ONLINE TRAINING ON WATER BODIES REJUVENATION & CREATION OF GREEN SPACES IN ULBS

### BACKGROUND

Water is the most prime factor for sustenance of life. It exists in different forms such as rainfall, river water, ground water, ponds and lakes etc. Therefore management of water resources call for integrated management of all these components as a system. As per the information available with the Ministry of Water Resources, River Development and Ganga Rejuvenation about 2.7 per cent of the total water available on the earth is fresh water, of which about 75.2 per cent lies frozen in polar regions and another 22.6 per cent is present as ground water. The rest is available in lakes, rivers, atmosphere, moisture, soil and vegetation.

Water Bodies serve as storage reservoirs in the monsoon-dependent areas of the economy where there exist a shorter period of rainfall and a long dry spell with very high deviation of annual rainfall. The small storage tanks are called ponds or bundhis which are mostly community owned. The large storage tanks whose command varies from 20 to 2000 hectares are generally constructed by the Government Departments or local bodies.

The Government of India launched the scheme of Repair, Renovation and Restoration (RRR) of water bodies during X Plan to revive and restore vanishing water bodies resulting in major loss of irrigation potential. The scheme was launched as pilot scheme and based on its success, a full scale scheme was implemented during XI Plan. Keeping in view the benefits arising out of the implementation of the scheme, it was extended to XII Plan as well. During XII Plan, the planned outlay of the scheme is Rs

### List of Online Training Programmes

Date	No. of Participants
06 July, 2023	26
07 July, 2023	27
10 July, 2023	20
11 July, 2023	31
12 July, 2023	32

10,000 crore and is envisaged to provide Central Assistance for restoration of about 10,000 water bodies (9000 water bodies in rural areas and 1000 water bodies in urban areas) with an earmarked Central outlay of Rs. 6,235 crore and respective State share of Rs 3,765 crore for the scheme with likely restoration of 6.235 lakh hectare.

In the context of increasing water scarcity competitive demands and widespread pollution, water resources have become one of the critical imperatives for livelihood. Drinking and Domestic water needs get the first priority among the various demands of water. Recently, the Government of India approved Phase II of Swachh Bharat Mission-Urban (SBM-U 2.0). Alongside the urban component of Jal Jeevan Mission (JJM-U), SBM-U 2.0 goes beyond the aim of eliminating open defecation in the country, by focusing on ODF+, ODF++ and Water+ protocols as laid down by the Ministry of Housing and Urban Affairs, Government of India. Government of India in Fifteenth Finance Commission, with a theme of water conservation drafted the policy for pond and water bodies rejuvenation making use of waste water and beautification of the pond as tourist spot as well as place for cultural activities decided to take up the



## OBJECTIVES OF THE TRAINING PROGRAMME

- have a overview of various waste water treatment technologies and methods.
- Understand the regulatory framework and enforcement mechanism to strengthen the implementation of wastewater treatment and disposal.
- Selection of suitable treatment technology for the treatment and development of green area and recreational activities around the water body.
- Understand the operation and maintenance model of the treatment plant and allied services.
- Develop the understanding of the making of Detailed Project report by themselves.

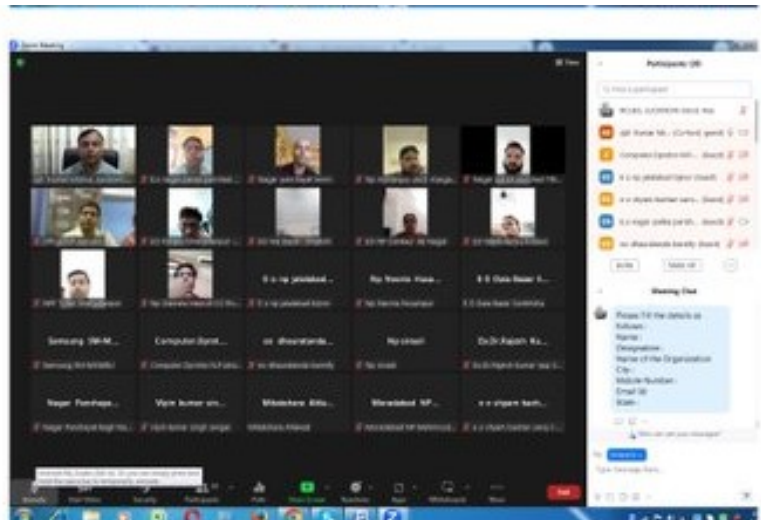
The programme was organized for Executive Officer, Deputy Collector, DPM, Clerk, Computer Operator from Uttar Pradesh. In total 136 participants attended the online training.

Through this programme, participants are expected to understand the various planning and implementation aspects of waste water treatment and its reuse for pond/water body rejuvenation, and take back learnings from various related case studies.

The training programme was conducted on online mode which included:

- understanding of the present scenario,
- the fundamentals of waste water treatment technologies,
- methodologies for waste water treatment,
- development of green area and recreational activities,
- institutional support and linkages for planning and implementation.

The training programme was coordinated by Mr. Ajit Kumar Mishra, Assistant Director, RCUES, Lucknow.





## TRAINING PROGRAMME ON WATER AUDIT, WATER ACCOUNTING AND ENERGY AUDIT OF RURAL WATER SUPPLY SCHEMES UNDER JAL JEEVAN MISSION

### BACKGROUND

The Jal Jeevan Mission is a crucial and ambitious initiative launched by the Government of India to address the critical issue of providing access to safe and potable drinking water to all rural households across the country.

Water audit is a systematic process aimed at assessing and optimizing water use in a supply system, focusing on inflow, outflow, and losses. Its objectives within the Jal Jeevan Mission include resource optimization, leak detection, data-informed decision-making, and promoting sustainability. Water accounting involves detailed record-keeping of water sources, distribution, consumption, and losses. It supports data collection, transparency, and efficient resource management. Energy audit assesses energy consumption in water supply systems, seeking efficiency improvements, cost reduction, and environmental sustainability. These practices are integral to the Jal Jeevan Mission, ensuring efficient water use, reduced losses, quality enhancement, and cost minimization, ultimately promoting access to clean drinking water in rural India.

### List of Online Training Programmes

Date	No. of Participants
06-07 July, 2023	42
10-11 August, 2023	49
15-16 September, 2023	47

The Regional Centre for Urban and Environmental Studies (RCUES) Lucknow, a National Level Key Resource Centre operating under the aegis of the Jal Jeevan Mission, conducted three, two-day Level II Residential Training Programme on Water Audit, Water Accounting and Energy Audit of Rural Water Supply Schemes for Engineers. The focus of this program was to provide in-depth knowledge and training in the technical aspects of Water Audit, Water Accounting, and Energy Audit of Rural Water Supply Schemes under the Jal Jeevan Mission.

### OBJECTIVES OF THE TRAINING PROGRAMME

The primary objectives of this training program were to:

- Foster a deeper understanding of the technical intricacies involved in implementing rural drinking water supply schemes.





- Equip the participating engineers with the skills needed to make these projects more sustainable at the grassroots level.
- Train the engineers in preparing Water Balance Plans, Water Accounting, and Water Audit.
- Educate the participants on strategies to enhance the energy efficiency of water utilities.
- Facilitate hands-on learning through group exercises.

#### **TRAINING PROGRAMME HIGHLIGHTS:**

The two-day training program incorporated various components, including theoretical sessions and hands-on activities. Participants were introduced to the technical aspects of Water Balance Plans, Water Accounting, and Water Audits, allowing them to gain comprehensive insights into managing water resources effectively. Additionally, engineers were trained in optimizing energy usage in water supply schemes, a vital aspect for sustainability and cost-efficiency.

#### **PARTICIPANTS**

The training program saw the active participation of 138 participants including Executive Engineer, Assistant Engineer, Junior Engineer, Hydro geologist, Sub Engineer, Superintending Engineer, Assistant Engineer, Junior Engineer, Coordinator, Sub Engineer, MIS Coordinator, GIS Expert from key government departments, including the Uttar Pradesh Jal Nigam (Grameen), Public Health Engineering Department (PHED), and the State Water and Sanitation Mission (SWSM) Department of Madhya Pradesh.

#### **COORDINATOR:**

The training programmes were coordinated by Dr Alka Singh, Deputy Director and Mr Himanshu Chandra, Assistant Director, RCUES, Lucknow.



## ONLINE TRAINING PROGRAMME ON MICRO CREDIT FACILITY TO URBAN POOR

### BACKGROUND

The outbreak of the global COVID-19 pandemic led to widespread devastation in India, impacting the lives of street vendors, laborers, migrant workers, and marginalized communities. To address these challenges, the Government of India declared a nationwide lockdown, significantly affecting the livelihoods of these vulnerable populations. In response to the crisis, the Indian government introduced a comprehensive relief package worth Rs. 20,00,000 crores to revive the economy and provide relief to those adversely affected by the pandemic. The package aimed to promote self-reliance, encompassing governance reforms, credit support for various segments of the urban population, including street vendors, MSMEs, startup businesses, and self-help groups.

Urban local governments took on a crucial role in the post-lockdown situation, focusing on pandemic prevention, response, protection of frontline workers, and rehabilitation of the urban poor. Street vendors, who play a pivotal role in ensuring the availability of affordable goods and services to city dwellers, were significantly impacted by the pandemic and lockdown measures. Given their limited capital and insufficient earnings, there was an urgent need to provide credit for working capital to help street vendors restart their businesses. To address this, the Government of India launched the Prime Minister SVANidhi Scheme,

### List of Online Training Programmes

Date	No. of Participants
13 July, 2023	30
14 July, 2023	31

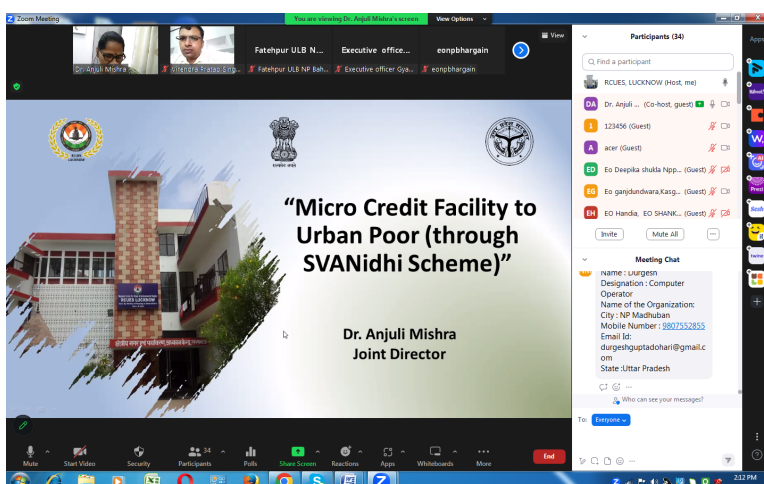
designed to support urban street vendors in reviving their businesses and livelihoods.

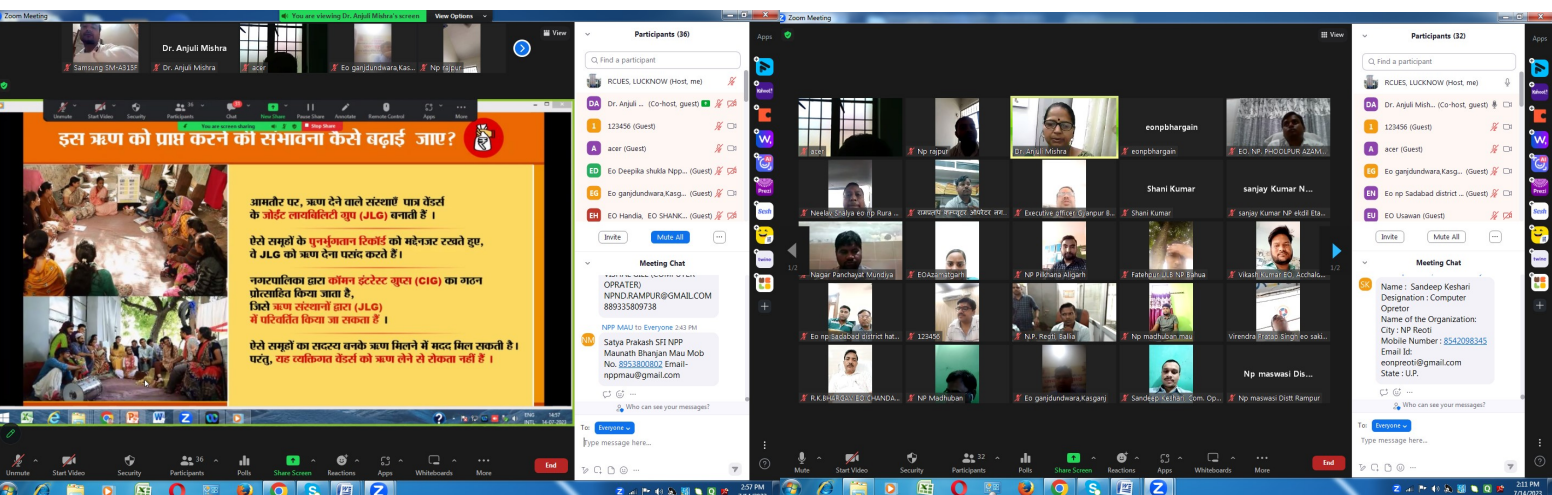
In response to the challenges faced by urban local governments and street vendors, two online training programs were organized. The training programs aimed to discuss and deliberate on the provisions and procedures of the Prime Minister SVANidhi Scheme, with the goal of effective implementation in urban centers.

### OBJECTIVES OF THE TRAINING PROGRAMME

The objectives of the training program were as follows:

- To emphasize the importance of Aatma Nirbhar Bharat (Self-Reliant India) and emerging opportunities for urban poverty alleviation.
- To discuss and deliberate on the various provisions and procedures of the Prime Minister SVANidhi Scheme.
- To highlight the micro-credit facility available to urban poor through the SVANidhi Scheme.
- To discuss the provisions of the SVANidhi se Samridhi Scheme.





- To identify and discuss the problems and challenges in the implementation of the Prime Minister SVANidhi Scheme and suggest measures for its effective execution.

### TRAINING PROGRAMME HIGHLIGHTS:

The online training on Micro Credit Facilities for Urban Poor, organized in the context of the Prime Minister SVANidhi Scheme, has served as an important platform for disseminating knowledge and information to various stakeholders involved in urban governance and poverty alleviation. In light of the challenges posed by the COVID-19 pandemic, the program has equipped participants with the necessary understanding and tools to effectively implement the SVANidhi Scheme and provide much-needed support to the urban poor, especially street vendors. The coordinated efforts of RCUES and the participation of a diverse group of stakeholders reflect a commitment to addressing the pressing issues of urban poverty and economic revival in India.

### PARTICIPANTS:

The online workshops were attended by a diverse group of participants, including Executive Officer, Accountant, Sanitary & Food Inspector, Computer Operator, Clerk from Uttar Pradesh. A total of 61 participants actively engaged in the workshop, representing various stakeholders involved in the urban governance and development sector.

### COORDINATION:

The training program was effectively coordinated by Dr. Anjali Mishra, Joint Director, RCUES Lucknow.



## ORIENTATION TRAINING PROGRAMME UNDER AMRUT 2.0 FOR THE ULB OFFICIALS OF UTTAR PRADESH

### BACKGROUND

The Atal Mission for Rejuvenation and Urban Transformation (AMRUT) 2.0 is a critical urban development program introduced by the Government of India. AMRUT 2.0 is an evolution of the original AMRUT initiative and builds on its success. The mission is named in honor of former Prime Minister Atal Bihari Vajpayee, known for his visionary approach to urban development in India.

AMRUT 2.0 is designed to uplift the quality of life in urban areas and improve urban infrastructure and services.

AMRUT 2.0 represents India's continued dedication to improving the quality of life in urban areas. By addressing urban challenges, encouraging sustainability, and promoting efficient urban development, the program plays a pivotal role in realizing the vision of thriving and inclusive cities in India. It underscores the government's commitment to the well-being and advancement of urban residents, contributing to the nation's progress and development. In this context RCUES Lucknow conducted four,

### List of Online Training Programmes

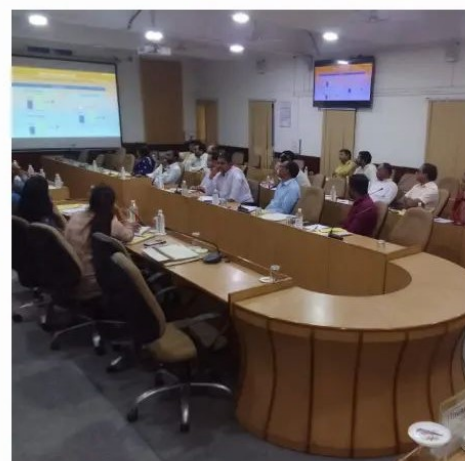
Date	No. of Participants
13-15 July, 2023	22
25-27 July, 2023	30
21-23 August, 2023	30
11-13 September, 2023	26

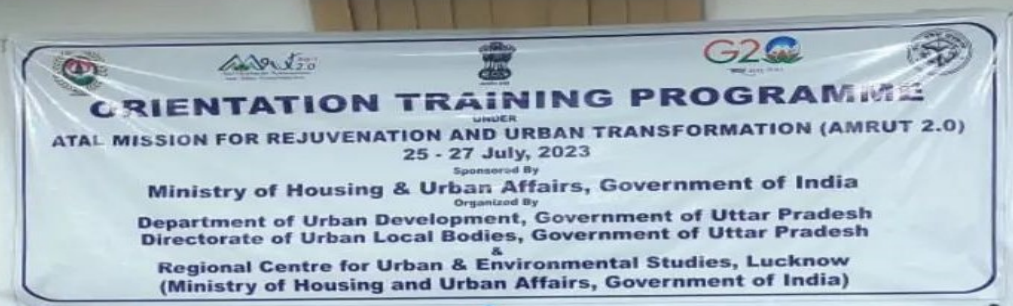
Orientation Training Programmes under the Atal Mission for Rejuvenation and Urban Transformation 2.0 (AMRUT 2.0) to provide essential knowledge and insights to Urban Local Body (ULB) officials in the state of Uttar Pradesh. This program aimed to familiarize officials with the key objectives, strategies, and operational procedures of AMRUT 2.0, a crucial urban development initiative of the Government of India.

### OBJECTIVES OF THE TRAINING PROGRAMME

The Orientation Training Programme had the following primary objectives:

- To introduce ULB officials to the objectives and principles of AMRUT 2.0.





- To provide a comprehensive understanding of the strategic components of AMRUT 2.0, including infrastructure development, service delivery, and governance reforms.
- To highlight the significance of data-driven decision-making and efficient project implementation.
- To foster a sense of ownership and commitment among ULB officials for the successful implementation of AMRUT 2.0.

#### TRAINING PROGRAMME HIGHLIGHTS:

The Orientation Training Programme under AMRUT 2.0 featured a series of sessions and interactive discussions to ensure comprehensive coverage of the program's key components. Highlights of the program included:

- **Introduction to AMRUT 2.0:** An overview of the mission, its history, objectives, and the role of ULBs in its implementation.
- **Strategic Components:** Detailed discussions on the strategic components of AMRUT 2.0, including infrastructure development, service delivery, and governance reforms.
- **Data and Information Management:** The importance of data-driven decision-making and the effective utilization of technology for project planning and implementation.
- **Funding and Finance:** Insights into the financial aspects of AMRUT 2.0, including fund allocation, utilization, and reporting.
- **Project Implementation:** Strategies and best practices for successful project execution,

monitoring, and evaluation.

- **Compliance and Reporting:** Guidance on ensuring compliance with mission guidelines and timely reporting to higher authorities.
- **Interactive Sessions:** Open discussions, Q&A sessions, and case studies to encourage active participation and knowledge sharing.

The Orientation Training Programme played a crucial role in equipping ULB officials with a clear understanding of the objectives and operational aspects of AMRUT 2.0. It also encouraged a sense of ownership and commitment among the participants to contribute to the successful implementation of the mission. Officials left the program with enhanced knowledge, skills, and a strengthened resolve to work towards the transformation of urban areas in Uttar Pradesh.

#### PARTICIPANTS

The program was attended by a diverse group of participants, including Executive Officer, Assistant Engineer, Clerk, Computer Operator, Jal Kal Parikshak, Junior Engineer, Revenue Inspector, Sanitary & Food Inspector in various ULBs across Uttar Pradesh. A total of 108 participants actively engaged in the training programme.

#### COORDINATION:

The training program was effectively coordinated by Dr. Alka Singh, Deputy Director, Dr A K Singh, Assistant Director, Dr Nasruddin, Assistant Director and Mr. Himanshu Chandra, Assistant Director, RCUES Lucknow.



## ORIENTATION TRAINING PROGRAMME UNDER AMRUT 2.0 FOR THE ULB OFFICIALS OF UTTARAKHAND

### BACKGROUND

AMRUT 2.0 is a step towards AatmaNirbhar Bharat with 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. Mission also targets to provide 100% sewage/ septage management in 500 AMRUT cities. Mission will focus on empowering States/ UTs and cities for efficient implementation of projects in the spirit of cooperative and competitive federalism by providing flexibility to the States/ UTs to formulate, plan and implement the projects. CA released can be utilized for projects in any of the ULBs as per physical/ financial progress of the projects. In this context, Regional Centre for Urban and Environmental Studies (RCUES) Lucknow successfully conducted the an Orientation Training Programme under Atal Mission for Rejuvenation and Urban Transformation 2.0 for municipal functionaries of Uttarakhand state on 25-27 September, 2023 at

Lucknow.

### OBJECTIVES OF THE TRAINING PROGRAMME

The three days training was designed to enhance the functional knowledge and improve the job-related skills for effective implementation of the scheme. The programme was designed to orient the participants with AMRUT 1.0 achievements and give a broad overview of AMRUT 2.0, to acquaint the participants with admissible Elements of Projects, Reforms Agenda to be achieved and different Action Plans to be prepared under AMRUT 2.0.

Over the course of three days the programme focused on the city level strategies for Recycle & Reuse of Treated Used Water and City level action plan for Rejuvenation of Water Bodies (including Urban Wetland) & Creation of Green Spaces and Rain Water Harvesting, discuss about Pey Jal Survekshan toolkit to ascertain equitable distribution of water, reuse of wastewater and mapping of water bodies and to prepare the ULB officials for undertaking Survekshan.

### TRAINING PROGRAMME HIGHLIGHTS:

The Orientation Training Programme under AMRUT





2.0 featured a series of sessions and interactive discussions to ensure comprehensive coverage of the program's key components. Highlights of the program included:

- **Introduction to AMRUT 2.0:** An overview of the mission, its history, objectives, and the role of ULBs in its implementation.
- **Strategic Components:** Detailed discussions on the strategic components of AMRUT 2.0, including infrastructure development, service delivery, and governance reforms.
- **Data and Information Management:** The importance of data-driven decision-making and the effective utilization of technology for project planning and implementation.
- **Funding and Finance:** Insights into the financial aspects of AMRUT 2.0, including fund allocation, utilization, and reporting.
- **Project Implementation:** Strategies and best practices for successful project execution, monitoring, and evaluation.
- **Compliance and Reporting:** Guidance on ensuring compliance with mission guidelines and timely reporting to higher authorities.
- **Interactive Sessions:** Open discussions, Q&A sessions, and case studies to encourage active participation and knowledge sharing.

The Orientation Training Programme played a crucial role in equipping ULB officials with a clear understanding of the objectives and operational aspects of AMRUT 2.0. It also encouraged a sense of ownership and commitment among the participants to

contribute to the successful implementation of the mission. Officials left the program with enhanced knowledge, skills, and a strengthened resolve to work towards the transformation of urban areas in Uttarakhand.

## PARTICIPANTS

The participants of the trainings included Executive Engineer, Executive Officer, Junior Engineer, Secretary (ADM), Senior Assistant & Tax Collector from Uttarakhand. A total of 25 officials from Uttarakhand Urban Development Directorate, Uttarakhand Peyjal Nigam and Uttarakhand Jal Sansthan participated in the training programme.

## COORDINATION

The Training was conducted jointly by Dr. Alka Singh, Deputy Director and Dr. Nasruddin, Assistant Director, RCUES, Lucknow.



## ORIENTATION TRAINING PROGRAMME FOR ELECTED REPRESENTATIVES OF UTTAR PRADESH UNDER AMRUT 2.0

### BACKGROUND

AMRUT 2.0 is a step towards AatmaNirbhar Bharat with 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. Mission also targets to provide 100% sewage/ seepage management in 500 AMRUT cities. Mission will focus on empowering States/ UTs and cities for efficient implementation of projects in the spirit of cooperative and competitive federalism by providing flexibility to the States/ UTs to formulate, plan and implement the projects. CA released can be utilized for projects in any of the ULBs as per physical/ financial progress of the projects. In this context, Regional Centre for Urban and Environmental Studies (RCUES) Lucknow successfully conducted the 3 day Orientation Training Programme under Atal Mission for Rejuvenation and Urban Transformation 2.0 for Elected Representatives of Uttar Pradesh at Lucknow.

### OBJECTIVES OF THE TRAINING PROGRAMME

The primary objectives of the Orientation Training Programme were as follows:

List of Online Training Programmes	
Date	No. of Participants
18-19 July, 2023	21
18-19 September, 2023	26
20-21 September, 2023	19

- To provide a comprehensive understanding of the AMRUT 2.0 mission and its goals.
- To equip elected representatives with the knowledge required for effective project planning, implementation, and monitoring.
- To enhance their skills in managing urban infrastructure and resources.
- To encourage collaboration and synergy between different levels of government, urban local bodies, and other stakeholders.

### TRAINING PROGRAMME HIGHLIGHTS:

The Orientation Training Programme for Elected Representatives of Uttar Pradesh under AMRUT 2.0 was designed to provide essential knowledge and skills to the elected officials responsible for urban development and transformation in the state. This program aimed to empower these representatives to effectively contribute to the successful implementation of the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) 2.0. The sessions included:

#### AMRUT 2.0 Guidelines and Reforms:

- Comprehensive review of the objectives and scope of AMRUT 2.0.
- Discussion of the key differences between AMRUT







1.0 and 2.0.

- Strategies for effective implementation and adherence to the updated guidelines.

#### **Urban Reforms:**

- Exploration of essential reform areas, including financial sustainability, service-level benchmarks, and governance reforms.
- Insights into implementing urban reforms successfully, including compliance with regulations and standards.

#### **Payjal Sarvekshan (Water Quality Assessment):**

- The importance of water quality assessments for safeguarding public health and environmental sustainability.
- Practical guidance on conducting water quality assessments in urban areas.

#### **Water Supply Infrastructure:**

- Detailed sessions on planning and designing sustainable water supply systems.
- Strategies for ensuring equitable and continuous water distribution.
- Emphasis on water conservation and demand management.

#### **Septage Management:**

- The critical role of effective septage management for sanitation and environmental health.
- In-depth coverage of septage collection, treatment, and disposal methods.
- Discussion on policy and regulatory aspects of septage management.

The sessions on AMRUT 2.0 guidelines, reforms, Payjal Sarvekshan, water supply, and septage management served as a valuable platform for sharing knowledge and insights into critical aspects of urban development. These sessions equipped participants with the information and tools needed to contribute effectively to the successful implementation of AMRUT 2.0, ensuring sustainable urban growth and improved water supply management.

These learning's and best practices are expected to play a pivotal role in achieving the goals set forth by the AMRUT 2.0 initiative in urban areas.

#### **PARTICIPANTS**

A total of 66 elected representatives from Uttar Pradesh participated in the training programme.

#### **COORDINATION**

The Trainings were coordinated by Dr. Anjuli Mishra, Joint Director and Mr Ajit Kumar Mishra, Assistant Director, RCUES, Lucknow.

## TRAINING PROGRAMME ON OPERATION AND MAINTENANCE OF RURAL WATER SUPPLY SCHEME UNDER JAL JEEVAN MISSION

### BACKGROUND

The Jal Jeevan Mission (JJM) is a significant and transformative initiative by the Government of India, aimed at providing safe and sustainable drinking water to every rural household across the country. Launched in August 2019, the mission is part of the larger goal to achieve universal access to safe drinking water and has ambitious targets set for the next few years. Operation and maintenance (O&M) of rural water supply schemes is a critical aspect of the Jal Jeevan Mission. There are several challenges on the way to achieving as well as sustaining the benefits of this mission. For instance, it's not merely about additional infrastructure creation, it encompasses source sustainability, community involvement, water quality/water safety, having trained manpower for O & M of the assets, sustainable financing mechanism, third party engagement etc. The real challenge in rural water supply lays in sustainable operation and maintenance. This component is essential to ensure the sustainability and functionality of water supply systems. Hence, three Trainings on Operation and Maintenance of Rural Water Supply Scheme under Jal Jeevan Mission were organised by RCUES Lucknow.

### OBJECTIVES OF THE TRAINING PROGRAMME

The primary objectives of this training program were:

- To familiarize participants with the goals and objectives of the Jal Jeevan Mission.
- To provide an understanding of the operation and maintenance of rural water supply schemes.

### List of Online Training Programmes

Date	No. of Participants
21-22 July, 2023	33
25-26 August, 2023	53
22-23 September, 2023	57

- To impart practical knowledge and skills necessary for the sustainable functioning of water supply systems.
- To emphasize the importance of water quality and safety in drinking water supply.
- To promote community participation and ownership in the maintenance of water supply infrastructure.

### TRAINING PROGRAMME HIGHLIGHTS:

The two 2 days training was designed with the aim of providing a wider understanding of the various technical aspects for effective implementation of Drinking water supply schemes being implemented in state under Jal Jeevan Mission. The objective was to train the functionaries on making drinking water projects more sustainable at the ground level. The training will expose the participants to the elements of community-managed rural water supply system, introduce various elements of management such as community preparation; finance and economics; and the need to deploy trained - skilled and unskilled - manpower to run the RWS system and provide the Gram Panchayats with the management options available, Service Level Benchmarks, and Service Contract agreements in the case of contracting out water supply to third party agencies.







The training program on the operation and maintenance of rural water supply schemes under the Jal Jeevan Mission was successful in achieving its objectives. Participants gained valuable knowledge and practical skills essential for the reliable functioning of water supply infrastructure. They also understood the critical role of community participation in ensuring the sustainability of these systems.

The knowledge and skills acquired by the participants are expected to contribute significantly to the mission's success by ensuring the availability of safe drinking water to rural households. It is imperative to continue conducting such training programs to build capacity and empower local communities to take ownership of their water supply schemes. This, in turn, will lead to healthier and more self-sufficient rural areas.

#### **PARTICIPANTS**

A total of 143 Engineers from PHED and SWSM Department, Meghalaya, Assam and Uttar Pradesh Jal Nigam (Grameen) participated in the programme..

#### **COORDINATION**

The Trainings were coordinated by Dr. Alka Singh, Deputy Director and Mr Himanshu Chandra, Assistant Director, RCUES, Lucknow.



## TRAINING PROGRAMME ON SOCIAL AUDIT

### BACKGROUND

Social audit is a vital tool in urban development projects for various reasons, as it enhances transparency, accountability, and citizen engagement. Social audit promotes transparency by making information regarding urban development projects readily available to the public. When citizens have access to project details, budgets, and implementation plans, it helps to prevent corruption and misuse of resources. Social audits encourage active citizen involvement in decision-making processes related to urban development. Citizens become co-creators of their urban environment, which fosters a sense of ownership and commitment to the project's success. As a result, projects are more likely to align with the actual needs and priorities of the community.

Social audits often involve evaluating the quality of work and the materials used in urban development projects. This ensures that infrastructure is built to high standards and that it will be durable and safe, ultimately benefitting the community over the long term. Audits help identify gaps, inefficiencies, and issues in project implementation. This information is critical for addressing problems promptly and optimizing resource utilization. By incorporating community feedback and suggestions, urban development projects can align better with the needs of the people they serve. This results in improved services and infrastructure that directly benefit the community. It can reveal whether urban development projects are inclusive and considerate of marginalized or vulnerable groups. Addressing gaps in inclusivity can lead to more equitable development and help bridge socio-economic disparities.

In summary, social audit in urban development projects is a fundamental component of good governance and citizen-centric development. It ensures that resources are used efficiently. In this context three Trainings on Social Audit for Urban Local Body (ULB) officials was organized to empower and equip participants with the knowledge and skills necessary to conduct social audits effectively.

### OBJECTIVES OF THE TRAINING PROGRAMME:

The primary objectives of the training program were:

- To introduce ULB officials to the concept of social audit and its significance in local governance.
- To provide participants with the tools and techniques required to plan, conduct, and report on

### List of Online Training Programmes

Date	No. of Participants
25 July, 2023	19
26 July, 2023	38
27 July, 2023	26

social audits.

- To emphasize the importance of citizen engagement and public participation in the social audit process.
- To encourage the integration of social audit findings into decision-making and policy formulation within ULBs.

### TRAINING PROGRAMME HIGHLIGHTS:

The training program was designed to be comprehensive, interactive, and participatory. It covered a range of topics and included practical exercises to ensure that participants could apply their learning effectively. Here are some key highlights from the training:

#### Introduction to Social Audit:

- A thorough explanation of what social audit is and why it is essential for ULBs.
- Understanding the legal and regulatory framework governing social audits in local governance.

#### Planning and Preparation:

- Strategies for planning and organizing a social audit, including the selection of projects and programs.
- Developing a social audit team and creating an audit plan.

#### Data Collection and Analysis:

- Techniques for gathering data and information, both from official records and through community engagement.
- Tools and methods for analyzing and interpreting data to assess social outcomes.

#### Citizen Engagement and Participation:

- The significance of involving citizens in the social audit process.
- How to engage and mobilize the community to participate in audits effectively.

#### Reporting and Transparency:

- Guidelines for preparing comprehensive social audit reports.
- Strategies for ensuring transparency and



disseminating audit findings to the public.

### Using Audit Results:

- How to integrate social audit findings into decision-making, policy formulation, and governance practices.
- Demonstrating the impact of social audits on improving program delivery and public services.

### Case Studies and Best Practices:

- Sharing real-world examples of successful social audits and their impact on local governance.
- Learning from best practices and success stories.

The training on social audit for ULB officials was a significant step in promoting transparency, accountability, and citizen participation in local governance. It equipped participants with the knowledge and tools needed to conduct social audits effectively and demonstrated the role of social audits in improving public services and governance.

To ensure the success of social audits and their positive impact on local communities, continued capacity-building efforts and a commitment to implementing the lessons learned from this training are essential. It is expected that the trained ULB officials will play a crucial role in promoting social accountability and good governance within their respective municipalities.

### PARTICIPANTS

The Trainings were attended by a diverse group of participants, including Executive Officer, Junior Engineer, Assistant Engineer, DC (SBM), Revenue Inspector, Sanitary & Food Inspector, Urban Infrastructure Specialist, ADC, Assistant Engineer, Clerk, CLTC (DUDA), Computer Operator, District Coordinator, Senior Clerk, UIS Head Clerk, Tax Collector A total of 83 participants attended the trainings.

### COORDINATION

The programme was coordinated by Dr. Anjali Mishra, Joint Director, RCUES, Lucknow



## ONLINE TRAINING PROGRAMME ON SOCIAL AUDIT

### BACKGROUND

Social audit is a vital tool in urban development projects for various reasons, as it enhances transparency, accountability, and citizen engagement. Social audit promotes transparency by making information regarding urban development projects readily available to the public. When citizens have access to project details, budgets, and implementation plans, it helps to prevent corruption and misuse of resources. Social audits encourage active citizen involvement in decision-making processes related to urban development. Citizens become co-creators of their urban environment, which fosters a sense of ownership and commitment to the project's success. As a result, projects are more likely to align with the actual needs and priorities of the community.

Social audits often involve evaluating the quality of work and the materials used in urban development projects. This ensures that infrastructure is built to high standards and that it will be durable and safe, ultimately benefitting the community over the long term. Audits help identify gaps, inefficiencies, and issues in project implementation. This information is critical for addressing problems promptly and optimizing resource utilization. By incorporating community feedback and suggestions, urban development projects can align better with the needs of the people they serve. This results in improved services and infrastructure that directly benefit the community. It can reveal whether urban development

projects are inclusive and considerate of marginalized or vulnerable groups. Addressing gaps in inclusivity can lead to more equitable development and help bridge socio-economic disparities.

In summary, social audit in urban development projects is a fundamental component of good governance and citizen-centric development. It ensures that resources are used efficiently. In this context an Online Training on Social Audit for Urban Local Body (ULB) officials was organized on 30 September, 2023 to empower and equip participants with the knowledge and skills necessary to conduct social audits effectively.

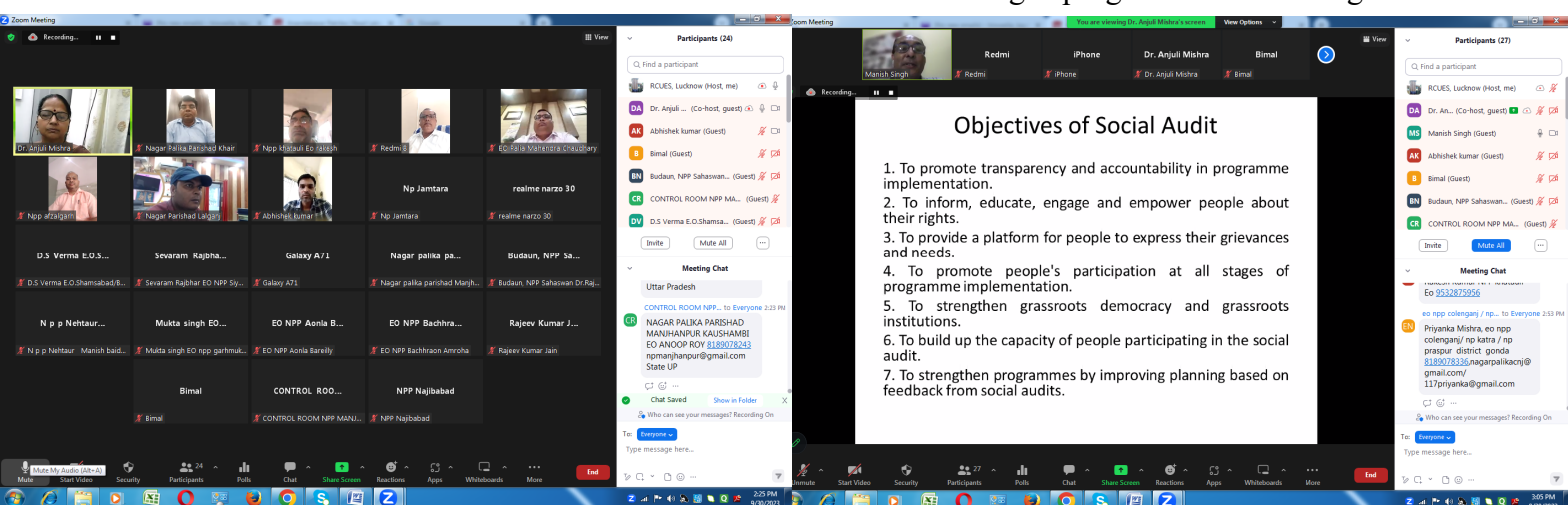
### OBJECTIVES OF THE TRAINING PROGRAMME:

The primary objectives of the training program were:

- To introduce ULB officials to the concept of social audit and its significance in local governance.
- To provide participants with the tools and techniques required to plan, conduct, and report on social audits.
- To emphasize the importance of citizen engagement and public participation in the social audit process.
- To encourage the integration of social audit findings into decision-making and policy formulation within ULBs.

### TRAINING PROGRAMME HIGHLIGHTS:

The training program was designed to be



comprehensive, interactive, and participatory. It covered a range of topics and included practical exercises to ensure that participants could apply their learning effectively. Here are some key highlights from the training:

#### **Introduction to Social Audit:**

- A thorough explanation of what social audit is and why it is essential for ULBs.
- Understanding the legal and regulatory framework governing social audits in local governance.

#### **Planning and Preparation:**

- Strategies for planning and organizing a social audit, including the selection of projects and programs.
- Developing a social audit team and creating an audit plan.

#### **Data Collection and Analysis:**

- Techniques for gathering data and information, both from official records and through community engagement.
- Tools and methods for analyzing and interpreting data to assess social outcomes.

#### **Citizen Engagement and Participation:**

- The significance of involving citizens in the social audit process.
- How to engage and mobilize the community to participate in audits effectively.

#### **Reporting and Transparency:**

- Guidelines for preparing comprehensive social audit reports.
- Strategies for ensuring transparency and disseminating audit findings to the public.

#### **Using Audit Results:**

- How to integrate social audit findings into decision-making, policy formulation, and governance practices.
- Demonstrating the impact of social audits on improving program delivery and public services.

#### **Case Studies and Best Practices:**

- Sharing real-world examples of successful social audits and their impact on local governance.
- Learning from best practices and success stories.

The training on social audit for ULB officials was a

significant step in promoting transparency, accountability, and citizen participation in local governance. It equipped participants with the knowledge and tools needed to conduct social audits effectively and demonstrated the role of social audits in improving public services and governance.

To ensure the success of social audits and their positive impact on local communities, continued capacity-building efforts and a commitment to implementing the lessons learned from this training are essential. It is expected that the trained ULB officials will play a crucial role in promoting social accountability and good governance within their respective municipalities.

### **PARTICIPANTS**

The Online Training was attended by a diverse group of participants, including Executive Officer, Municipal Civil Engineer, Junior Engineer, City Mission Manager, City Manager, Accountant from various ULBs of Uttar Pradesh, Jharkhand & Bihar. A total of 21 participants attended the trainings.

### **COORDINATION**

The programme was coordinated by Dr. Anjali Mishra, Joint Director, RCUES, Lucknow



## TRAINING PROGRAMME ON DOUBLE ENTRY ACCOUNTING SYSTEM (DEAS)

### BACKGROUND

The adoption of a Double Entry Accounting System in Urban Local Bodies (ULBs) is a significant development in the realm of municipal financial management and governance. This accounting system, rooted in the principles of financial transparency and accountability, plays a crucial role in enhancing the financial operations and fiscal responsibility of ULBs. Urban Local Bodies, which include municipal corporations, municipalities, and municipal councils, are responsible for the planning and management of various services and projects within urban areas. Managing the finances associated with these services is a complex task, given the need for efficient resource allocation and accountability.

To address these shortcomings and bring about financial transparency and accountability, ULBs have transitioned to a Double Entry Accounting System. This system follows the principles of double entry bookkeeping, which require each financial transaction to have equal and opposite effects on both sides of the accounting equation, i.e., assets must equal liabilities plus equity. Three trainings on the Double Entry Accounting System for Urban Local Bodies (ULBs) was conducted to enhance the financial management capabilities of municipal officials and staff. The adoption of double-entry accounting is a crucial step towards improving transparency and accountability in ULB finances. It enables accurate recording and tracking of financial transactions, ensuring better fiscal management.

### OBJECTIVES OF THE TRAINING PROGRAMME:

The primary objectives of the training program were:

- Introduction to Double Entry Accounting: Provide participants with a fundamental understanding of

List of Online Training Programmes	
Date	No. of Participants
27 July, 2023	42
23 September, 2023	28
25 September, 2023	29

the double entry accounting system and its importance in financial management.

- Skill Development: Equip ULB officials and staff with practical skills to implement and maintain the double entry accounting system effectively.
- Transparency and Accountability: Foster transparency and accountability in financial operations, ensuring compliance with regulatory and audit requirements.
- Enhanced Financial Reporting: Enable ULBs to generate accurate financial reports for decision-making, budgeting, and resource allocation.

### TRAINING PROGRAMME HIGHLIGHTS:

The training program was designed to be comprehensive, interactive, and practical. It included the following key highlights:

Double Entry Accounting Fundamentals:

- Introduction to the principles, concepts, and elements of double entry accounting.
- Understanding debits and credits, journals, ledgers, and the trial balance.

Adoption and Implementation:

- Guidelines for transitioning from single entry to double entry accounting.
- Practical steps to implement the system within ULBs.

Financial Statement Preparation:

- Training on generating balance sheets, income





statements, and cash flow statements.

- Interpretation of financial statements for decision-making.

#### Budgeting and Resource Allocation:

- Integrating the double entry accounting system into the budgeting process.
- Aligning financial management with organizational goals and priorities.

#### Audit and Compliance:

- Understanding audit requirements and compliance with accounting standards.
- Preparing for internal and external audits.

#### Hands-On Exercises:

- Practical exercises to reinforce learning and skill development.
- Real-world examples and case studies for application.

The training on the Double Entry Accounting System for Urban Local Bodies marked a significant step in enhancing the financial management capabilities of ULBs. By adopting the double entry accounting

system, ULBs can improve transparency, accountability, and financial reporting, thereby ensuring efficient and effective utilization of resources. This, in turn, contributes to better governance and service delivery to urban residents.

To maximize the benefits of this training, it is essential that ULBs continue to invest in the development of their financial management skills and systems, and that the principles of double entry accounting become an integral part of their financial operations. This, in turn, will contribute to the sustainable development and growth of urban areas.

#### PARTICIPANTS

The Trainings were attended by a diverse group of participants, including Executive Officer, Junior Engineer, Revenue Inspector, Accountant, Clerk, Accountant, Assistant Accountant from various ULBs of Uttar Pradesh. A total of 99 participated in the programme.

#### COORDINATION

The Trainings were coordinated by Dr. Rajeev Narayan, Deputy Director, RCUES, Lucknow.



## TRAINING ON UTTAR PRADESH STATE SEPTAGE POLICY & USED WATER MANAGEMENT

### BACKGROUND:

As a step towards achieving improved sanitation in urban areas of the state, the Urban Development Department of the GoUP has formulated “Uttar Pradesh State Septage Management Policy” (UPSSMP) which was approved by the Cabinet on 23 October 2019 in line with the National Policy on Faecal Sludge and Septage Management, 2017. This is a landmark resolve of the Government to improve the urban sanitation so as to achieve outcome levels impact on public health, environment quality and human dignity. The policy addresses much required guidance and directions to achieve the targets as laid out in the ODF++ and lends sustainability to the ODF status achieved under Swachh Bharat Mission (SBM) – Urban 2.0. On October 1, 2021 the Ministry of Housing and Urban Affairs (MoHUA), Government of India launched Swachh Bharat Mission-Urban 2.0. The aim of this mission is to make ODF sustainable (ODF++) and ensure 100% used water (wastewater) is treated for reuse. The SBM 2.0 emphasizes on Used Water Management with special focus of Faecal Sludge & Septage Management as a new component.

Nonetheless, stakeholders from ULBs may need help in deciphering the technical aspects of these Policy and operational guidelines. The referred Septage Policy and the Used Water Management component under SBM 2.0 have laid out clearly the implementation plan with time bound achievement of the targets. The workshops on Septage Management Policy and Used Water Management are a first step towards capacity building of all ULBs of Uttar

List of Training Programmes		
Date	No of Participants	Venue
17 August, 2023	37	Aligarh
19 August, 2023	33	Ghaziabad

Pradesh and implementation of this policy and SBM 2.0 guidelines. These workshops will inform all Municipal Bodies about the newly introduced policy and encourage them to prepare City Sanitation Plan for each of the ULBs and actively implement policy and SBM 2.0 initiatives in a timely and innovative manner.

Against this backdrop, RCUES, Lucknow organized nine, one day workshops on “Uttar Pradesh Septage Policy and Used Waste Management sponsored by Department of Urban, Government of Uttar Pradesh

### OBJECTIVES OF THE TRAINING PROGRAMME:

- To acquaint the participants with the need, importance, and objectives of Used Water Management with special focus of Faecal Sludge & Septage Management as new component of SBM 2.0.
- To acquaint the participants with the need, importance, and objectives of Uttar Pradesh State Septage Management Policy-2019.
- To aware the participants with City Sanitation Action Plan.
- To aware the participants with different types of



Used Water Management System - On-site & Off-Site.

- To aware the participants with the Used Water Management Process – Containment/ Collection, Conveyance/Transportation, Treatment, and Disposal/Reuse.
- To highlight different technologies for Used Water Treatment with a comparative study of different technologies.
- To aware the participants with Faecal Sludge & Septage Management with special focus on Co-Treatment and additional methods.
- To aware the participants with Participatory Planning & IEC for effective Faecal Sludge & Septage Management.

### **TRAINING PROGRAM HIGHLIGHTS:**

The training was structured into various sessions to comprehensively cover the subject matter. The agenda included:

Overview of the Uttar Pradesh State Septage Policy:

- Presentation of the policy's background, objectives, and key provisions.

Septage and Wastewater Management Fundamentals:

- Discussion on the importance of wastewater management, health implications, and environmental impact.

Role of Municipalities and Local Bodies:

- Understanding the responsibilities and duties of local authorities in implementing the policy.

Technological Aspects of Septage Management:

- Introduction to various technologies and methods for efficient septage treatment.

Regulatory Framework and Compliance:

- Clarification on regulatory compliance and penalties for non-compliance.

Case Studies and Best Practices:

- Review of successful septage and wastewater management practices from other regions.

Q&A and Interactive Session:

- An opportunity for participants to ask questions and seek clarifications.

Participants gained a comprehensive understanding of the Uttar Pradesh State Septage Policy and the need for efficient wastewater management.

The role of municipalities and local authorities was emphasized, highlighting the importance of their active participation in policy implementation.

The training highlighted various technological solutions available for septage treatment and encouraged participants to explore innovative approaches.

Case studies showcased successful implementations from other areas, offering practical insights for policy adoption.

The Q&A session allowed participants to address specific concerns and seek guidance.

### **PARTICIPANTS**

The Trainings were attended by a diverse group of participants, including Executive Officer, Assistant Engineer, Clerk, Computer Operator, Consulting Engineer, District Coordinator, District Programme Manager, Executive Engineer, Junior Engineer, Safai Incharge, SBM Incharge. A total of 109 participants attended the programme.

### **COORDINATION**

The Trainings were coordinated by Dr. Rajeev Narayan, Deputy Director & Dr. Nasruddin, RCUES, Lucknow.

## WORKSHOP ON TRAINING NEEDS ASSESSMENT (TNA) FOR SUSTAINABLE URBAN MOBILITY PROFESSIONAL IN UTTAR PRADESH

### BACKGROUND

Uttar Pradesh, one of India's most populous and rapidly urbanizing states, faces a host of challenges in the realm of urban mobility. As urban areas expand and vehicular traffic increases, the need for efficient, sustainable, and environmentally friendly urban mobility solutions becomes increasingly critical. Addressing these challenges necessitates a skilled workforce of professionals well-versed in Sustainable Urban Mobility planning, design, and management.

Sustainable Urban Mobility encompasses a range of principles and practices aimed at ensuring that urban transportation systems are efficient, equitable, and environmentally friendly. These practices reduce congestion, minimize pollution, and promote public health, making them integral to the development and liveability of urban areas.

Uttar Pradesh's urban areas grapple with issues such as traffic congestion, inadequate public transportation, air pollution, and increased greenhouse gas emissions. Without effective urban mobility solutions, these challenges are likely to exacerbate.

Professionals working in the field of Sustainable Urban Mobility play a crucial role in designing and implementing solutions to these challenges. They are responsible for urban transportation planning, public transit system development, infrastructure design, traffic management, and the integration of various modes of transportation, among other key tasks.

Uttar Pradesh, India's second-largest state in terms of urban population, has experienced significant urbanization in recent years. The state boasts the highest number of municipal corporations in the country, reflecting the rapid increase in the number of cities and the concentration of population in urban centers. As urbanization continues to surge, it has become imperative to develop sustainable and efficient transport solutions to address the unique challenges associated with urban living.

### List of Online Training Programmes

Date	No. of Participants
18 August, 2023	53
17 September, 2023	53

Effective urban transport planning necessitates cross-sectorial collaboration among various departments and authorities, including Municipal Corporations, Development Authorities, City Transport Undertakings, and Smart City Limited. Each of these organizations and their officials require a diverse set of skills and knowledge to fulfil their roles and contribute to urban transport system planning.

Given the diverse range of organizations and professionals involved, it is crucial to comprehend the training requirements and gather pertinent information to design a comprehensive capacity-building program for urban transport planning across the state.

In pursuit of this objective, a scientific Training Needs Assessment (TNA) exercise has been initiated in collaboration with the Council on Energy, Environment, and Water (CEEW). CEEW is currently engaged in the "Cleaner Air and Better Health" (CABH) project, aimed at reducing pollution in Indian cities through strategic interventions, including the urban transport domain.

As part of the TNA exercise, two Workshops were held by RCUES Lucknow and CEEW.

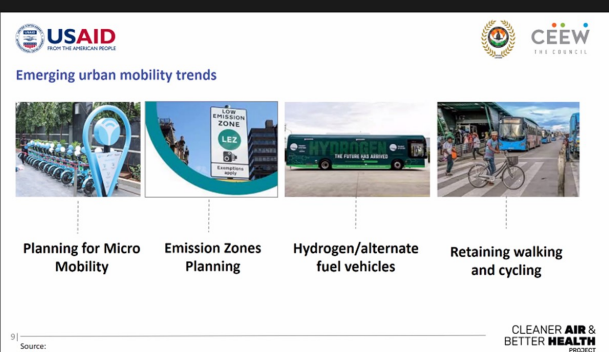
### OBJECTIVES OF THE WORKSHOP:

The primary objectives of this meeting were to:

To inform relevant authorities and departments about the purpose and scope of the program, emphasizing its significance in improving urban transport planning.







- To provide an overview of the detailed survey that will be conducted in the coming weeks. This includes the methodology, data collection process, and the role of various stakeholders in the survey.
- To encourage an open discussion and receive feedback from the officials to ensure the TNA exercise aligns with their requirements and expectations.

## WORKSHOP HIGHLIGHTS

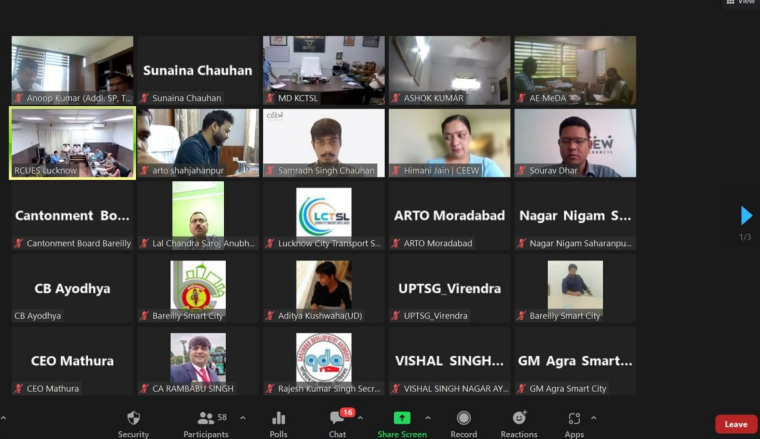
The meeting served as a platform to initiate a constructive dialogue about the Training Needs Assessment program and to seek the support and active participation of relevant authorities and officials. It was an opportunity to set the foundation for a collaborative and data-driven approach to enhance urban transport planning in the state.

The kickoff meeting for the Training Needs Assessment program was a significant step towards addressing the evolving urban transport challenges in Uttar Pradesh. The collaboration between CEEW and the state's urban planning authorities demonstrates a commitment to building a robust and efficient urban transport system that aligns with the unique needs of each city.

As the program progresses, the insights gained from this meeting will play a pivotal role in customizing the Training Needs Assessment process to ensure it is both effective and relevant to the diverse urban contexts in Uttar Pradesh. This initiative marks a positive stride towards a more sustainable and well-planned urban transport future for the state.

## PARTICIPANTS:

The meeting was attended by 53 officials from various departments and organizations in the 17 identified cities across Uttar Pradesh. The cities were categorized



into three groups based on population size to ensure focused and tailored discussions:

- **Group 1 (Above 2.5 million):** Lucknow, Kanpur
- **Group 2 (1-2.5 million):** Ghaziabad, Meerut, Prayagraj, Varanasi, Agra
- **Group 3 (Less than a million):** Gorakhpur, Aligarh, Saharanpur, Ayodhya, Mathura, Jhansi, Bareilly, Moradabad, Shahjahanpur, Firozabad

The participants included Addl. SP Traffic, Architect, ARTO, Asst. Architect Planner, Asst. Engineer, Associate Planner, Chief Data Officer, Chief Engineer, COO, DGM/O, Dy. General Manager, (Finance), Environmental Scientist, GIS Expert, GM, IT Cell-Traffic, IT Officer, IT Specialist, Junior Engineer, MIS Expert, Manager, Nodal Officer, Programme Associate, Sanitary Inspector, Sanitary Suptd., Sr. Programme Lead-Mobility, Town Planner, Urban Designer & Urban Planner.

## COORDINATION

The workshops were coordinated by Mr Himanshu Chandra, Assistant Director, RCUES, Lucknow.

## ONLINE TRAINING ON ACHIEVING SDG GOAL- 11 SUSTAINABLE CITIES & COMMUNITIES

### BACKGROUND

Sustainable Development Goal 11 (SDG 11) is one of the 17 global goals adopted by all United Nations Member States as part of the 2030 Agenda for Sustainable Development. SDG 11, titled "Sustainable Cities and Communities," focuses on making cities and human settlements inclusive, safe, resilient, and sustainable. It recognizes the critical role that urban areas play in achieving overall sustainable development. The world is experiencing unprecedented urbanization, with more than half of the global population living in cities. This trend is expected to continue, emphasizing the importance of addressing urban challenges.

Cities are economic hubs, generating a significant portion of a country's GDP. Sustainable urban development can drive economic growth and innovation.

Cities are melting pots of culture and diversity. Ensuring sustainability in urban areas means promoting social inclusion, reducing inequalities, and protecting the rights of all citizens.

Cities are often centers of high energy consumption, pollution, and resource consumption. Sustainable urban development seeks to mitigate these environmental impacts and promote eco-friendly practices.

Achieving SDG 11 requires collaboration among governments, local authorities, the private sector, civil society, and citizens. Many international and national initiatives are dedicated to promoting sustainable urban development, and partnerships play a crucial role in fostering innovation and sharing best practices.

Sustainable Cities & Communities underscores the critical need to address urban challenges and opportunities. Achieving this goal involves a combination of smart urban planning, inclusive

### List of Online Training Programmes

Date	No. of Participants
07 August, 2023	19
08 August, 2023	23
09 August, 2023	18
10 August, 2023	21
11 August, 2023	28

policies, environmental stewardship, and partnerships at various levels. It ultimately aims to create cities and communities that are equitable, resilient, and sustainable for present and future generations.

In this context, Regional Centre for Urban and Environmental Studies (RCUES) organized five, Online Training on Achieving SDG Goal- 11 Sustainable Cities & Communities

The training on achieving Sustainable Development Goal (SDG) 11 - "Sustainable Cities and Communities" was organized to address the challenges and opportunities related to urban development and sustainable urbanization. SDG 11 aims to make cities and human settlements inclusive, safe, resilient, and sustainable. The training program sought to equip participants with the knowledge, skills, and strategies required to contribute to the achievement of this goal.

### OBJECTIVES OF THE TRAINING PROGRAMME:

The primary objectives of the training program were:

- To familiarize participants with the importance of SDG 11 and its significance in global sustainable development efforts.
- To provide an understanding of the key targets and indicators associated with SDG 11.
- To share best practices and innovative approaches to urban planning, development, and governance.
- To promote the role of local governments, community engagement, and partnerships in achieving sustainable cities and communities.
- To encourage participants to develop action plans and initiatives that align with SDG 11.

### TRAINING PROGRAM HIGHLIGHTS:

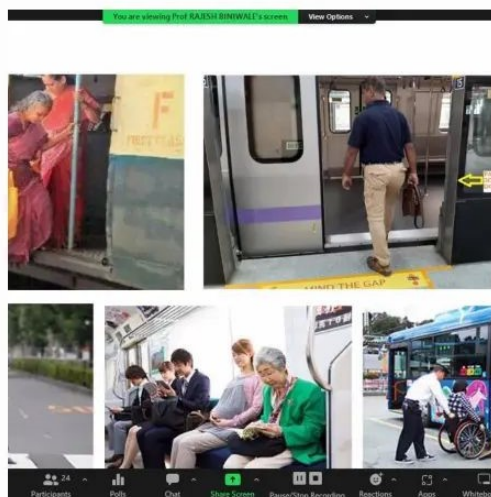
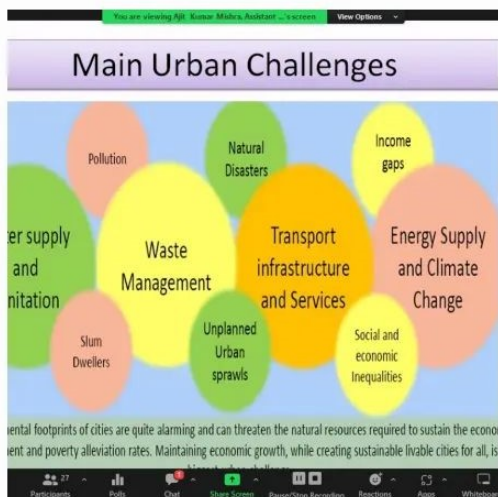
The training program encompassed a wide range of topics and was designed to be interactive and engaging. Here are the key highlights of the program:

Introduction to SDG 11:

- A comprehensive overview of SDG 11 and its







### समावेशी, सुरक्षित, लचीला और टिकाऊ शहरों और मानव बाना

2030 तक

- विशेष रूप से महिलाओं और बच्चों, वृद्ध व्यक्तियों और विकलांग व्यक्तियों को समावेशी और सुलभ, हरित और सार्वजनिक स्थानों तक सार्वभौमिक पहुंच प्रदान करना
- राष्ट्रीय और क्षेत्रीय विकास योजना को मजबूत करके शहरी, उप-शहरी और ग्रामीण सकारात्मक आर्थिक, सामाजिक और पर्यावरणीय संबंधों का समर्थन करना।
- आपदा जोखिम न्यूनीकरण 2015 के लिए सेंड्राई फ्रेमवर्क के अनुरूप, समावेशन, जलवायु परिवर्तन के प्रति शमन और अनुकूलन, आपदाओं के प्रति लचीलापन कार्यान्वयन की दिशा में एकीकृत नीतियों और योजनाओं को अपनाने और लागू कर मानव बस्तियों की संख्या में पर्याप्त वृद्धि करें।
- 2030 सभी स्तरों पर समय आपदा जोखिम प्रबंधन।
- स्थानीय सामग्रियों का उपयोग करके टिकाऊ और लचीली इमारतों के निर्माण प्रवर्धन।

relevance to urban development.

- Discussion on the specific targets and indicators associated with this goal.

#### Urbanization Trends:

- Analysis of global urbanization trends and their implications for cities and communities.
- Exploration of the challenges posed by rapid urbanization.

#### Sustainable Urban Planning and Design:

- Best practices in urban planning and design to create sustainable and inclusive cities.
- Strategies for addressing issues like slums, housing, and transportation.

#### Resilience and Disaster Risk Reduction:

- The importance of resilience in urban areas and measures for disaster risk reduction.
- Case studies on building resilient cities.

#### Community Engagement and Inclusivity:

- The significance of community participation in decision-making and urban governance.
- Strategies for ensuring that vulnerable and marginalized populations are included in development initiatives.

#### Local Government Role:

- The role of local governments in promoting sustainable cities and communities.
- Governance, policy, and regulatory frameworks that support SDG 11.

#### Data and Monitoring:

- The use of data and indicators to track progress towards SDG 11.
- Implementing monitoring and reporting mechanisms.

#### Global and Local Partnerships:

- The importance of partnerships and collaboration with international organizations, governments, NGOs, and the private sector.
- Showcasing successful partnerships and initiatives.

#### PARTICIPANTS

The Online Trainings were attended by a diverse group of participants, including Executive Officer, Clerk, Computer Operator, Office Assistant, Tax Collector. A total of 109 participants attended the programme.

#### COORDINATION

The Trainings were coordinated by Mr Ajit Kumar Mishra, Assistant Director, RCUES, Lucknow.

## TRAINING ON ACHIEVING SDG GOAL- 11 SUSTAINABLE CITIES & COMMUNITIES

### BACKGROUND

Sustainable Development Goal 11 (SDG 11) is one of the 17 global goals adopted by all United Nations Member States as part of the 2030 Agenda for Sustainable Development. SDG 11, titled "Sustainable Cities and Communities," focuses on making cities and human settlements inclusive, safe, resilient, and sustainable. It recognizes the critical role that urban areas play in achieving overall sustainable development. The world is experiencing unprecedented urbanization, with more than half of the global population living in cities. This trend is expected to continue, emphasizing the importance of addressing urban challenges.

Cities are economic hubs, generating a significant portion of a country's GDP. Sustainable urban development can drive economic growth and innovation.

Cities are melting pots of culture and diversity. Ensuring sustainability in urban areas means promoting social inclusion, reducing inequalities, and protecting the rights of all citizens.

Cities are often centers of high energy consumption, pollution, and resource consumption. Sustainable urban development seeks to mitigate these environmental impacts and promote eco-friendly practices.

Achieving SDG 11 requires collaboration among governments, local authorities, the private sector, civil society, and citizens. Many international and national initiatives are dedicated to promoting sustainable urban development, and partnerships play a crucial role in fostering innovation and sharing best practices. Sustainable Cities & Communities underscores the critical need to address urban challenges and opportunities. Achieving this goal involves a combination of smart urban planning, inclusive policies, environmental stewardship, and partnerships at various levels. It ultimately aims to create cities and communities that are equitable, resilient, and sustainable for present and future generations.

### List of Online Training Programmes

Date	No. of Participants
04 September, 2023	26
05 September, 2023	28

In this context, Regional Centre for Urban and Environmental Studies (RCUES) organized five, Online Training on Achieving SDG Goal- 11 Sustainable Cities & Communities

The training on achieving Sustainable Development Goal (SDG) 11 - "Sustainable Cities and Communities" was organized to address the challenges and opportunities related to urban development and sustainable urbanization. SDG 11 aims to make cities and human settlements inclusive, safe, resilient, and sustainable. The training program sought to equip participants with the knowledge, skills, and strategies required to contribute to the achievement of this goal.

### OBJECTIVES OF THE TRAINING PROGRAMME:

The primary objectives of the training program were:

- To familiarize participants with the importance of SDG 11 and its significance in global sustainable development efforts.
- To provide an understanding of the key targets and indicators associated with SDG 11.
- To share best practices and innovative approaches to urban planning, development, and governance.
- To promote the role of local governments, community engagement, and partnerships in achieving sustainable cities and communities.
- To encourage participants to develop action plans and initiatives that align with SDG 11.

### TRAINING PROGRAM HIGHLIGHTS:

The training program encompassed a wide range of topics and was designed to be interactive and engaging. Here are the key highlights of the program:

Introduction to SDG 11:

- A comprehensive overview of SDG 11 and its

relevance to urban development.

- Discussion on the specific targets and indicators associated with this goal.

Urbanization Trends:

- Analysis of global urbanization trends and their implications for cities and communities.
- Exploration of the challenges posed by rapid urbanization.

Sustainable Urban Planning and Design:

- Best practices in urban planning and design to create sustainable and inclusive cities.
- Strategies for addressing issues like slums, housing, and transportation.

Resilience and Disaster Risk Reduction:

- The importance of resilience in urban areas and measures for disaster risk reduction.
- Case studies on building resilient cities.

Community Engagement and Inclusivity:

- The significance of community participation in decision-making and urban governance.
- Strategies for ensuring that vulnerable and marginalized populations are included in development initiatives.

Local Government Role:

- The role of local governments in promoting sustainable cities and communities.
- Governance, policy, and regulatory frameworks that support SDG 11.

Data and Monitoring:

- The use of data and indicators to track progress towards SDG 11.
- Implementing monitoring and reporting mechanisms.

Global and Local Partnerships:

- The importance of partnerships and collaboration with international organizations, governments,

NGOs, and the private sector.

- Showcasing successful partnerships and initiatives.

## **PARTICIPANTS**

The Trainings were attended by a diverse group of participants, including Executive Officer, Clerk, Computer Operator, Office Assistant, Tax Collector. A total of 54 participants attended the programme.

## **COORDINATION**

The Trainings were coordinated by Mr Ajit Kumar Mishra, Assistant Director, RCUES, Lucknow.



## ONLINE TRAINING ON WATER RESOURCE MANAGEMENT & RAIN WATER HARVESTING

### BACKGROUND

Water resource management and rainwater harvesting are critical aspects of ensuring sustainable access to freshwater resources, especially in the face of various global challenges and environmental concerns. Understanding the background and significance of these two interconnected topics is essential for addressing water-related issues effectively.

Water resource management encompasses a range of activities, policies, and practices that aim to ensure the sustainable use and protection of freshwater sources. It is necessary to balance the growing demand for water with the need to conserve this finite resource and protect ecosystems. Key aspects of water resource management include:

**Source Identification:** Identifying and characterizing water sources, such as rivers, lakes, groundwater, and aquifers.

**Allocation:** Allocating water for various purposes, including drinking water, agriculture, industry, and ecosystem maintenance.

**Quality Control:** Ensuring the quality of water for human consumption and ecological health.

**Efficiency:** Implementing measures to reduce water wastage and improve efficiency in water use.

**Sustainability:** Promoting practices that sustain water resources for current and future generations.

Water resource management is essential to address issues like water scarcity, pollution, and climate change impacts on water availability. Achieving these goals often involves integrated planning, watershed management, and collaboration among various stakeholders, including governments, communities, and industries.

Rainwater harvesting is a technique that involves collecting and storing rainwater for various uses, primarily on-site. This practice has been employed for centuries and continues to be relevant due to its potential to alleviate water scarcity and promote sustainable water management. Key elements of rainwater harvesting include:

**Collection Systems:** Rainwater can be collected from rooftops, catchments, or other surfaces and stored in tanks or reservoirs.

**Treatment:** Depending on its intended use, rainwater may undergo simple filtration or more advanced treatment to meet specific quality standards.

**End Uses:** Harvested rainwater can be used for drinking, irrigation, sanitation, and other non-potable

### List of Online Training Programmes

Date	No. of Participants
02 September, 2023	22
04 September, 2023	22
05 September, 2023	15

purposes.

**Environmental Benefits:** Rainwater harvesting can help mitigate storm water runoff, reduce erosion, and enhance groundwater recharge.

Rainwater harvesting is particularly valuable in regions with irregular or limited access to freshwater sources, and it offers a decentralized approach to water supply. It not only contributes to water conservation but also reduces the burden on centralized water utilities and infrastructure.

Water resource management and rainwater harvesting are closely related. Effective water resource management may include policies that encourage and regulate rainwater harvesting as a sustainable water source. Rainwater harvesting, in turn, aligns with broader water resource management strategies by promoting water conservation and diversifying water supply sources.

In a world facing escalating challenges related to climate change, population growth, and environmental degradation, these practices are integral to securing a sustainable and resilient water future for all. Consequently, comprehensive training and education on water resource management and rainwater harvesting are crucial to equip individuals and organizations with the knowledge and skills needed to address these complex issues effectively.

In this context, three, Online Trainings on Water Resource Management & Rain Water Harvesting were conducted by RCUES Lucknow.

### OBJECTIVES OF THE TRAINING PROGRAMME:

The objectives of the training program on Water Resource Management and Rainwater Harvesting are designed to provide a clear focus and direction for the training, ensuring that participants gain valuable knowledge and skills in these critical areas. The objectives include:

- To provide participants with a comprehensive understanding of water resource management, including the importance of water conservation,

sustainable use, and the challenges faced in managing water resources.

- To equip participants with in-depth knowledge of rainwater harvesting techniques, including various systems, design principles, and maintenance best practices.
- To encourage participants to adopt and promote sustainable water use practices, including water conservation strategies in agriculture, industry, and households.
- To provide real-world examples and case studies of successful water management and rainwater harvesting projects, offering practical insights and lessons learned.
- To introduce participants to modern tools and technologies for monitoring and managing water resources, enabling them to make informed decisions and improve water management efficiency.
- To raise awareness about the significance of water resource management and rainwater harvesting, encouraging participants to become advocates for sustainable water practices in their communities and organizations.

#### **TRAINING PROGRAM HIGHLIGHTS:**

The online training program encompassed a broad spectrum of topics, offering a holistic understanding of water resource management and rainwater harvesting. The program was structured as follows:

##### **Introduction to Water Resource Management**

- Understanding the importance of water resources
- Key challenges in water management

##### **Rainwater Harvesting Techniques**

- Various rainwater harvesting systems
- Design, implementation, and maintenance

##### **Legal and Regulatory Framework**

- A comprehensive overview of water-related laws and regulations

##### **Promoting Sustainable Water Use**

- Strategies for water conservation
- Efficient water use in agriculture, industry, and households

##### **Case Studies and Best Practices**

- Real-world examples showcasing successful water management and rainwater harvesting projects

#### **Tools and Technologies**

- Modern tools and technologies for monitoring and managing water resources

The training sessions were conducted using a state-of-the-art online platform, providing participants with the flexibility to access the content from virtually anywhere in the world. The training approach included a combination of live webinars, pre-recorded lectures, interactive discussions, and knowledge assessments. Additionally, participants had access to a dedicated online forum to engage in discussions and seek clarification on course materials.

#### **PARTICIPANTS**

The participants of the online training programme included Executive Engineer, Computer Operator, Deputy Collector, DPM, Clerk from Uttar Pradesh. A total of 59 participants attended the programme.

#### **COORDINATION**

The Trainings were coordinated by Dr A K Singh, Assistant Director, RCUES, Lucknow.

## TRAINING ON WATER RESOURCE MANAGEMENT & RAIN WATER HARVESTING

### BACKGROUND

Water resource management and rainwater harvesting are critical aspects of ensuring sustainable access to freshwater resources, especially in the face of various global challenges and environmental concerns. Understanding the background and significance of these two interconnected topics is essential for addressing water-related issues effectively.

Water resource management encompasses a range of activities, policies, and practices that aim to ensure the sustainable use and protection of freshwater sources. It is necessary to balance the growing demand for water with the need to conserve this finite resource and protect ecosystems. Rainwater harvesting is particularly valuable in regions with irregular or limited access to freshwater sources, and it offers a decentralized approach to water supply. It not only contributes to water conservation but also reduces the burden on centralized water utilities and infrastructure.

Water resource management and rainwater harvesting are closely related. Effective water resource management may include policies that encourage and regulate rainwater harvesting as a sustainable water source. Rainwater harvesting, in turn, aligns with broader water resource management strategies by promoting water conservation and diversifying water supply sources.

In a world facing escalating challenges related to climate change, population growth, and environmental degradation, these practices are integral to securing a sustainable and resilient water future for all. Consequently, comprehensive training and education on water resource management and rainwater harvesting are crucial to equip individuals

and organizations with the knowledge and skills needed to address these complex issues effectively.

In this context, a Training on Water Resource Management & Rain Water Harvesting was conducted on 11 September, 2023 by RCUES Lucknow.

### OBJECTIVES OF THE TRAINING PROGRAMME:

The objectives of the training program on Water Resource Management and Rainwater Harvesting are designed to provide a clear focus and direction for the training, ensuring that participants gain valuable knowledge and skills in these critical areas. The objectives include:

- To provide participants with a comprehensive understanding of water resource management, including the importance of water conservation, sustainable use, and the challenges faced in managing water resources.
- To equip participants with in-depth knowledge of rainwater harvesting techniques, including various systems, design principles, and maintenance best practices.
- To encourage participants to adopt and promote sustainable water use practices, including water conservation strategies in agriculture, industry, and households.
- To provide real-world examples and case studies of successful water management and rainwater harvesting projects, offering practical insights and lessons learned.
- To introduce participants to modern tools and technologies for monitoring and managing water







resources, enabling them to make informed decisions and improve water management efficiency.

- To raise awareness about the significance of water resource management and rainwater harvesting, encouraging participants to become advocates for sustainable water practices in their communities and organizations.

### **TRAINING PROGRAM HIGHLIGHTS:**

The online training program encompassed a broad spectrum of topics, offering a holistic understanding of water resource management and rainwater harvesting. The program was structured as follows:

#### **Introduction to Water Resource Management**

- Understanding the importance of water resources
- Key challenges in water management

#### **Rainwater Harvesting Techniques**

- Various rainwater harvesting systems
- Design, implementation, and maintenance

#### **Legal and Regulatory Framework**

- A comprehensive overview of water-related laws and regulations

#### **Promoting Sustainable Water Use**

- Strategies for water conservation
- Efficient water use in agriculture, industry, and households

#### **Case Studies and Best Practices**

- Real-world examples showcasing successful water

management and rainwater harvesting projects

### **Tools and Technologies**

- Modern tools and technologies for monitoring and managing water resources

The training sessions were conducted using a state-of-the-art online platform, providing participants with the flexibility to access the content from virtually anywhere in the world. The training approach included a combination of live webinars, pre-recorded lectures, interactive discussions, and knowledge assessments. Additionally, participants had access to a dedicated online forum to engage in discussions and seek clarification on course materials.

### **PARTICIPANTS**

The participants of the training programme included Executive Engineer, Computer Operator, Deputy Collector, DPM, Clerk from Uttar Pradesh. A total of 23 participants attended the programme.

### **COORDINATION**

The Trainings were coordinated by Dr A K Singh, Assistant Director, RCUES, Lucknow.

# ONLINE TRAINING ON SOCIAL MOBILIZATION OF URBAN POOR UNDER DAY-NULM

## BACKGROUND

Urbanization is a global phenomenon, and many urban areas face the challenge of increasing urban poverty. Social mobilization is a crucial strategy for addressing the needs and concerns of the urban poor. It involves organizing and empowering these communities to participate actively in decision-making processes, access essential services, and improve their living conditions.

DAY-NULM, a flagship initiative of the Ministry of Housing and Urban Affairs, Government of India, focuses on reducing poverty and vulnerability among the urban poor by enhancing sustainable livelihood opportunities. One of its key components is the social mobilization of the urban poor to empower them and improve their socio-economic conditions. In this context, four, Online Trainings on Social Mobilization of Urban Poor under DAY- NULM

## List of Online Training Programmes

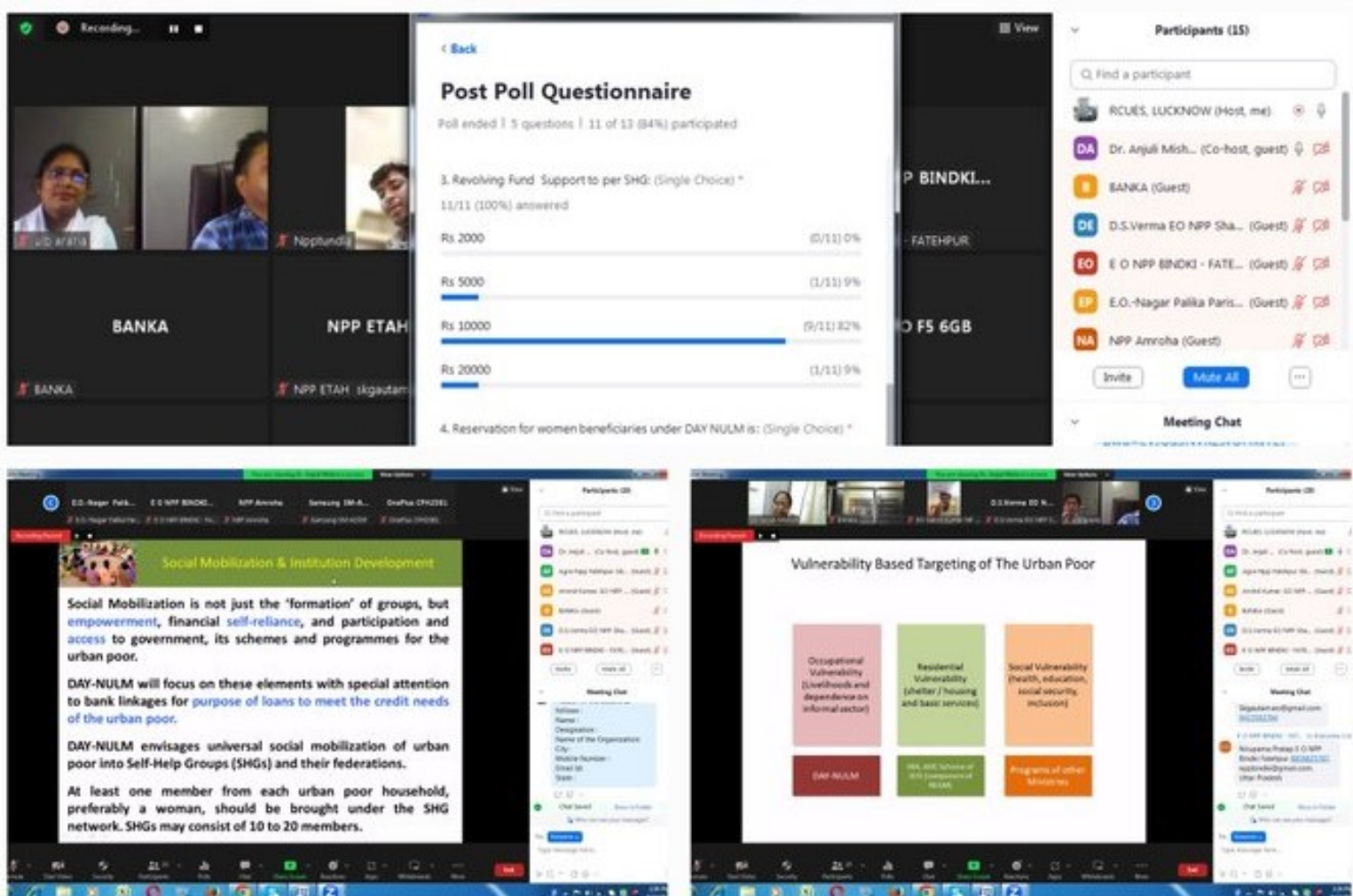
Date	No. of Participants
06 September, 2023	30
08 September, 2023	29
22 September, 2023	18
23 September, 2023	29

were organised by RCUES Lucknow.

## OBJECTIVES OF THE TRAINING PROGRAMME:

The primary objective of the online training on social mobilization was to:

- Enhance the capacity of participants in understanding and implementing strategies for social mobilization.
- Equip participants with tools and techniques to engage urban poor communities in decision-



making and development processes.

- Foster a sense of community ownership and participation in urban development initiatives.

## **TRAINING PROGRAM HIGHLIGHTS:**

The training sessions were conducted through a user-friendly online platform, allowing participants to access the content from anywhere. The sessions included live webinars, recorded lectures, interactive discussions, group exercises, and assessments to gauge understanding. Participants also had access to an online forum for further engagement and knowledge sharing.

**Understanding Urban Poverty:** An introduction to the complexities of urban poverty, its causes, and its impact on communities.

**Community Organization:** Strategies for organizing and mobilizing urban poor communities, including leadership development and building community networks.

**Advocacy and Empowerment:** Training on how to advocate for the rights and needs of the urban poor, empower them to voice their concerns, and access essential services.

**Partnerships and Collaborations:** How to establish partnerships with governmental and non-governmental organizations to support urban poverty alleviation efforts.

**Case Studies and Best Practices:** Real-world examples and success stories of social mobilization initiatives that have made a positive impact on urban poor communities.

**Tools and Resources:** Practical tools, techniques, and resources for effective social mobilization.

The online training on Social Mobilization of Urban Poor was a success, equipping participants with the knowledge and skills to effectively mobilize and empower urban poor communities, promoting social development, and enhancing the quality of life in urban areas.

## **PARTICIPANTS**

The Online Trainings were attended by Executive Officer, City Mission Manager, Clerk, Community Organizer, Computer Operator, Head Clerk, Junior

Engineer, Sanitary & Food Inspector from various ULBs of Uttar Pradesh, Bihar and Jharkhand. A total of 106 participants attended the programme.

## **COORDINATION**

The Trainings were coordinated by Dr. Anjuli Mishra, Joint Director, RCUES, Lucknow.



## ONLINE TRAINING ON FINANCIAL RESOURCE MOBILIZATION

### BACKGROUND

Financial resource mobilization is a critical skill in the modern context for organizations, government agencies, and businesses. Urban Local Bodies (ULBs) play a critical role in the development and management of urban areas, including municipalities, city corporations, and municipal corporations. They are responsible for providing essential services, infrastructure, and maintaining the overall quality of life for urban residents. To fulfil these responsibilities, ULBs require adequate financial resources. Financial resource mobilization is the process of generating revenue, securing funds, and managing finances effectively to sustain the operations and development activities of urban areas.

ULBs are responsible for providing essential services and infrastructure in urban areas. Without effective financial resource mobilization, they may struggle to fund ongoing operations, maintain infrastructure, and invest in future development projects. In summary, training on financial resource mobilization is vital for the effective functioning of Urban Local Bodies. It helps them secure the financial resources required to meet the diverse needs of urban residents and promote sustainable urban development and economic growth.

In this context, five, Online Trainings on Financial Resource Mobilization were organised by RCUES Lucknow.

### OBJECTIVES OF THE TRAINING PROGRAMME:

The primary objective of the online training on Financial Resource Mobilization was to:

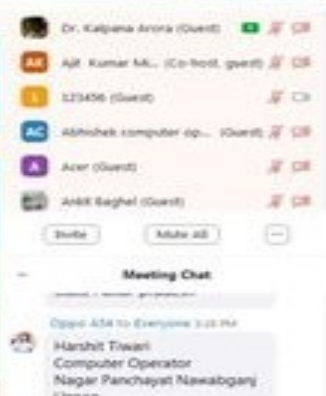
List of Online Training Programmes	
Date	No. of Participants
11 September, 2023	28
12 September, 2023	33
13 September, 2023	45
14 September, 2023	25
15 September, 2023	18

- Equip participants with a comprehensive understanding of the various methods and strategies for raising funds.
- Provide insights into donor engagement and relationship building.
- Develop skills in proposal writing, grant applications, and effective communication.
- Empower participants with practical knowledge to mobilize financial resources for their organizations or projects.

### TRAINING PROGRAM HIGHLIGHTS:

Training on Financial Resource Mobilization for Urban Local Bodies (ULBs) is crucial for improving the financial health and sustainability of urban municipalities. The objectives of such training are multi-faceted and aim to empower ULB officials and staff with the knowledge and skills necessary to enhance revenue generation and financial management.

The training aims to equip ULB personnel with strategies and techniques for identifying and maximizing revenue sources. This includes understanding and effectively utilizing local taxes, fees, and user charges, as well as exploring innovative revenue streams. Training helps ULBs develop comprehensive financial plans, budgets, and forecasts. It emphasizes the importance of long-term financial planning to ensure that resources are allocated efficiently and transparently. It aims to build





the capacity of ULB officials and staff by enhancing their financial literacy. This includes improving their understanding of financial statements, budgeting processes, and fiscal regulations. Promoting transparency and accountability in financial reporting is a key objective. ULBs learn to maintain accurate financial records and produce regular financial reports that are accessible to the public. The training encourages ULBs to diversify their resource base. This includes exploring public-private partnerships (PPPs), promoting investments, and fostering economic growth to broaden the revenue base. Training helps ULBs identify and mitigate financial risks, including those related to market fluctuations, revenue volatility, and unexpected expenditures. Training promotes the adoption of innovative financial strategies and best practices. It encourages ULBs to learn from successful case studies and adapt these practices to their unique contexts. The ultimate goal of the training is to promote the financial sustainability of ULBs. This means ensuring that they can continue to provide essential services and infrastructure development while maintaining fiscal stability.

In summary, training on Financial Resource

Mobilization for Urban Local Bodies seeks to empower municipal officials and staff with the tools and knowledge necessary to manage finances effectively, diversify revenue sources, and foster sustainable urban development. These objectives are vital for enhancing the overall quality of life in urban areas and promoting the well-being of residents.

### PARTICIPANTS

The Online Trainings were attended by Municipal Commissioner, Executive Officer, Accountant, AAO, City Manager, CMO, Clerk, Computer Operator, Sub Engineer, Executive Officer, Account Officer, Accountant, Associate Director, City Mission Manager, Clerk, Computer Operator, Deputy Municipal Commissioner, Head Clerk, Junior Engineer, Safai Prabhari & Sanitary Inspector. A total of 149 participants attended the programme.

### COORDINATION

The Trainings were coordinated by Mr Ajit Kumar Mishra, Assistant Director, RCUES, Lucknow.





## ONLINE WORKSHOP ON GENDER INCLUSIVE PARTICIPATORY PLANNING & DECISION MAKING

### BACKGROUND

The issue of engendering development and women empowerment has been in the central stage with the shifting of paradigm of development and governance at the global level and particularly in India. Gender budgeting has emerged as an important instrument for gender mainstream and women empowerment across the globe. It has been well recognized by the policy makers and feminist economists that gender budgeting is imperative for gender equality and engendering development planning.

Gender budgeting refers to the systematic examination of the budget programmes and policies for the impact on women. Studies show that programmes and policies design to improve women's economic opportunities lead to higher rates of economic growth.

Gender budgeting has gained prominence in the policy circles in the recent years. In view of the growing importance of the gender budgeting, the present study purports to critically review the plans, policies, programmes and schemes and also to examine union budgets through gender lens. In 1984, Austria introduced the first gender budget. Taking budgets as essential instruments for promoting gender equality, pioneering analysis of the impact of public budgets on gender relations was carried out. Since then, more than 90 countries have adopted gender budgeting as a tool for women empowerment and

### List of Online Training Programmes

Date	No. of Participants
20 September, 2023	21
21 September, 2023	21

engendering development. In India too, many states, local governments, corporate houses and private agencies have initiated gender budgeting and have introduced specific policies, programmes and schemes for gender mainstreaming. In view of the above, two Online workshops on Gender Inclusive Participatory Planning & Decision Making.

### OBJECTIVES OF THE WORKSHOP:

- To review the rationale of the gender budgeting as a tool for women empowerment and also to discuss strategic framework of gender budgeting activities;
- To examine the policy initiatives, programmes, schemes and projects for gender mainstreaming and gender inclusive urban development in India;
- To discuss the tools of gender budgeting at state level and also share experiences of different states;
- To examine the problems, constraints and difficulties in gender budgeting at different levels;
- To discuss the role of various stakeholders and key players in gender budgeting;







- To examine the scope of gender budgeting in different sectors of economy, particularly in departments and ministries of centre and state governments;
- To suggest measures for empowering women and gender budgeting exercises.

### TRAINING PROGRAM HIGHLIGHTS:

The training program on Gender Inclusive Participatory Planning & Decision Making covered a wide range of topics and activities:

Participants were introduced to the concept of gender mainstreaming and its significance in urban development and governance.

The training program delved into gender analysis tools and techniques, helping participants understand the different needs, roles, and challenges faced by men and women in urban areas.

Participants explored prevailing gender stereotypes and biases that influence decision-making processes and urban policies.

The program emphasized the importance of women's empowerment and the role of ULBs in facilitating it through their policies and initiatives.

Participants learned about participatory planning methodologies, encouraging the active involvement of women and marginalized groups in decision-making processes.

Training on gender-responsive budgeting techniques

helped participants allocate resources more equitably to address the needs of all genders.

The training emphasized the need for ULBs to actively engage with local communities, including women's groups, to ensure their perspectives are integrated into urban planning and development.

Real-world case studies and examples showcased best practices in gender-inclusive participatory planning and decision-making at the local level.

The training program covered a comprehensive set of topics and activities aimed at equipping ULB functionaries with the knowledge and tools needed to promote gender inclusivity and participatory planning in urban governance. The diverse range of subjects addressed within the program provides a holistic approach to building more equitable and sustainable urban communities.

### PARTICIPANTS

The workshop was organized for Executive Officer, DPM, Clerk & Computer Operator. Overall 42 participants attended the Training.

### COORDINATION

The programme was coordinated by Dr Nasruddin Assistant Director, RCUES, Lucknow

## TRAINING ROGRAMME ON OFFICE MANAGEMENT

### BACKGROUND

Urban Local Bodies are responsible for a wide range of public services and administrative functions within urban areas. Effective office management is essential to ensure the smooth operation of ULB offices, the delivery of services, and the fulfilment of statutory and public responsibilities. Urban Local Bodies are at the forefront of urban administration, responsible for a wide range of public services and functions. Effective office procedures are essential to maintain order, transparency, and efficiency in ULB operations.

### OBJECTIVES OF THE TRAINING PROGRAMME:

The primary objectives of the training program on Office Management for ULB functionaries were as follows:

- To improve the overall administrative efficiency of ULB offices.
- To promote effective communication within ULB offices and with external stakeholders.
- To provide training on record-keeping, documentation, and data management.
- To introduce modern office technologies and tools that can streamline office processes.
- To improve participants' understanding of

### List of Online Training Programmes

Date	No. of Participants
20 September, 2023	21
21 September, 2023	21

essential office procedures and protocols.

- To enhance knowledge of document management, record-keeping, and information dissemination.
- To promote effective interoffice and external communication.
- To ensure compliance with statutory requirements and legal regulations.
- To instil a culture of accountability and transparency in office operations.

### TRAINING PROGRAM HIGHLIGHTS:

The training program on Office Management covered a range of topics and activities:

Participants were introduced to office protocols, including procedures for receiving and managing visitors, telephone etiquette, and email communication.

The training emphasized best practices in document management, including filing, indexing, retrieval, and record-keeping.

Participants learned effective methods for disseminating information to internal and external stakeholders.





The program focused on promoting clear and efficient communication within the office, including the use of memos, reports, and notifications.

Participants gained an understanding of legal requirements, compliance, and statutory obligations relevant to ULB operations.

Conflict resolution techniques were discussed to address and manage disputes and issues that may arise in office operations.

The training highlighted the importance of planning, conducting, and documenting effective meetings.

The importance of providing efficient and courteous service to residents and other stakeholders was emphasized.

### **PARTICIPANTS**

The participants included ULB functionaries, including clerks, administrative staff, and junior officials responsible for office management. Overall 29 participants attended the Training.

### **COORDINATION**

The programme was coordinated by Ms. Rachna Rishi, Publication Officer, RCUES, Lucknow



## CONSULTATION MEET ON LUCKNOW'S REGIONAL PLAN STUDY



On August 22, 2023, a significant Consultation Meet took place at RCUES Lucknow, bringing together an esteemed group of participants. The primary objective was to facilitate a comprehensive discussion about shaping the future of Lucknow through the Regional Plan Study. The participants included the School of Planning and Architecture (SPA), Delhi, represented by Dr. Chetana Singh, along with a dedicated team of post-graduate students specializing in regional planning.

### Key Discussion Points:

The Consultation Meet was marked by thoughtful deliberations on several critical aspects:

**Waste Management:** The forum underscored the necessity of effective waste management as an essential element of urban sustainability. Participants explored innovative strategies for waste handling and recycling with the goal of ensuring Lucknow's cleanliness and sustainable growth.

**Transportation Planning:** Enhancing the city's transportation infrastructure to achieve both smooth mobility and eco-friendliness was a central theme. The discussion encompassed methods for reducing

traffic congestion and pollution by promoting greener alternatives, such as public transportation and cycling.

**Water Resource Management:** The responsible use of water resources and the implementation of intelligent water recycling and sewage treatment methods emerged as pivotal topics. This discourse aimed to mitigate water shortages and maintain a clean environment.

**Energy Sustainability:** The importance of renewable energy sources, particularly solar power, was emphasized as a key pillar of Lucknow's future. Incorporating renewable energy sources aligns with the city's vision of clean and sustainable energy practices.

### **Collaboration and Synergy:**

A core insight from this Consultation Meet was the significance of collaboration between scholars and practitioners in urban planning. The diversity of perspectives, including those from post-graduate students, added value to the discussion, demonstrating the importance of harnessing collective intelligence for effective city planning.

### **Towards a Strong and Green Future:**

This Consultation Meet set the stage for the development of a robust, environmentally conscious, and forward-looking plan for Lucknow. The shared commitment to addressing waste management, transportation, water resources, and energy sustainability positions the city on a path of positive transformation.

### **A Beacon for Other Cities:**

The enthusiasm and optimism that permeated the discussion suggest that the approach taken in Lucknow could serve as an exemplary model for other cities. The involvement of renowned institutions and

organizations, including the National Institute of Urban Affairs, Asian Development Bank, CEPT University, and more, underscores the depth of support and expertise available to fuel this endeavor.

In conclusion, the Consultation Meet was an invaluable platform for brainstorming and sharing ideas, reinforcing the belief that through collaborative efforts, Lucknow can thrive as a cleaner, greener, and more sustainable city. The outcome of this endeavor has the potential to inspire urban planners and policymakers across the nation and beyond.

## STAFF NEWS

Er A K Gupta, Additional Director, RCUES Lucknow attended the following programmes:

- National Workshop on Effective Capacity Building for Citywide Sanitation Programme organized by NIUA, New Delhi on 21<sup>st</sup> July, 2023
- Participated as a Panelist at the “National Dialogue on Cleaner Air and Better Health: Innovating Pathways to Scaling Solution” organized by Council on Energy, Environment and Water (CEEW) on 31<sup>st</sup> August, 2023
- “Sustainable Urban Innovation Conclave” organized by Urban Development Department, Govt. of Uttar Pradesh on 22<sup>nd</sup> September, 2023
- Valedictory Function of Ten days Faculty Development Program on Bridging Climate Change and Environmental Security: Pathways to Resilience organized by Department of Environmental Science, Integral University, Lucknow on 29<sup>th</sup> September, 2023
- The Capacity Building Commission (CBC) in collaboration with MoHUA, GoI, New Delhi is organized First National Workshop on Capacity Building of Urban Local Bodies under the banner of Mission Karmayogi on 05<sup>th</sup> October, 2023





# UP may reorganise 762 ULBs for better supervision of ops

Shalabh@timesgroup.com

**Lucknow:** UP may soon witness reorganisation of the urban local bodies.

The state government has approached Regional Centre for Urban and Environmental Studies (RCUES) to study the models being followed in other states before evolving the strategy for better supervision and productivity of the 762 ULBs in the state.

The directorate of the local bodies in Lucknow will be empowered to have a better grip on the daily operations of the municipal bodies through direct monitoring and command.

While at present the overall department has three layers (urban development department, directorate and the ULBs), the plan is to create regional directorates or sub-divisions to streamline the work

king of the civic bodies. The final proposal will be put up before the cabinet for approval.

Of 762 ULBs across 75 districts in the state, the key cities are governed by 17 municipal corporations (nagar nizam) while 199 municipal corporations (nagar palika) cater to the residents of the other cities.

## NOD AWAITED

Besides, 544 city councils (nagar panchayat) dole out urban services in smaller or newly created towns.

Nishith Rai, director, RCUES, said that the existing structure needs to be improved and resources, manpower, training, budget, campaigns and daily operations need to be redefined.

"The directions issued by the Union or the state government are binding on all the

762 ULBs. But the capacity, size, scale of operations, budgetary allocation for nagar nizam, nagar palikas and panchayats varies by a large extent. At the same time expectations of the public also need to be met and hence restructuring will be required," said Rai.

The team deputed to come up with the suggestion will study the model being followed in Madhya Pradesh, West Bengal, Gujarat and Karnataka before coming up with a solution that could be useful for solving the challenges ULBs in UP are facing in the long-term.

Director of urban local bodies Nitin Bansal said that challenges and issues that the municipal officials are facing will be compiled and presented before the team deputed by the Centre for better results.

# 'जल संरक्षण के लिए जन जागरूकता जरूरी'

■ एनबीटी, लखनऊ: जल संरक्षण के लिए जन सामान्य में जागरूकता की आवश्यकता है। ऐसे में पहले जन सामान्य को जोड़ने के लिए अभियान चलाएं जाएं ताकि पानी की बर्बादी को रोकने मदद मिल सके। ये बातें शुक्रवार को आरसीयूईएस लखनऊ के निदेशक डॉ. निशीथ राय ने कहीं। वह लखनऊ विवि परिसर में क्षेत्रीय नगर एवं पर्यावरण

केंद्र (आरसीयूईएस) की ओर से हुई वॉटर ऑडिट एकाउंटिंग एंड एनर्जी ऑडिट ऑफ रूरल वॉटर सप्लाई स्कीम विषय पर संबोधित कर रहे थे। उन्होंने हर गांव में वॉटर रिजर्व करने का स्रोत बनाने पर जोर दिया। कार्यक्रम में अपर निदेशक एके गुप्ता, उप निदेशक अलका सिंह और सहायक निदेशक हिमांशु चंद्र भी शामिल रहे।

e-paper : www.dailynewsactivist.com

लखनऊ, शनिवार, 8 जुलाई 2023, आषाढ मास कृष्ण पक्ष पंचमी, संवत् 2080 विक्रमी

वर्ष-16, अंक-261, पृष्ठ-12, मूल्य-₹ 2.00, नगर संस्करण

**DINA**

# डेली न्यूज ऐक्टिविस्ट

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ड्राफ्ट पंजीयन : एसएसपी/एल.एच.एल.पी.-358/2016-18

## जल की उपयोगिता के लिए जनसामान्य को जागरूक कर जोड़ने की आवश्यकता : डॉ. निशीथ राय

डेली न्यूज नेटवर्क

लखनऊ। क्षेत्रीय नगर एवं पर्यावरण अध्ययन केंद्र लखनऊ (आरसीयूईएस) (आवास और शहरी कार्य मंत्रालय भारत सरकार) द्वारा जल जीवन मिशन के अन्तर्गत (जेजेएम) वाटर ऑडिट वाटर एकाउंटिंग एंड एनर्जी ऑडिट ऑफ रूरल वाटर सप्लाई स्कीम विषय पर दो दिवसीय आवासीय (एल-2) प्रशिक्षण कार्यक्रम का आयोजन छह व सात जुलाई को किया गया। कार्यशाला का उद्घाटन आरसीयूईएस लखनऊ के निदेशक डॉ. निशीथ राय ने किया।

उन्होंने अपने उद्बोधन में इस बात पर बल दिया गया कि जल जीवन मिशन के अन्तर्गत जल की उपयोगिता के संबंध में जनसामान्य को जागरूक एवं जोड़ने की आवश्यकता है। केंद्र के अपर निदेशक ई. एके गुप्ता ने रेन वाटर हारवैस्टिंग एवं वाटर कंजर्वेशन एवं ग्रे वाटर रीयूज को और प्रभावी ढंग से क्रियान्वित करने पर बल दिया। निदेशक डॉ. अलका सिंह ने जल जीवन मिशन (जेजेएम) के उद्देश्य एवं महत्व पर विस्तृत प्रस्तुतीकरण दिया। सहायक निदेशक हिमांशु चंद्र ने जल जीवन मिशन के प्लानिंग, इम्प्लीमेंटेशन एवं ऑपरेशन, मॉनिटरिंग के संबंध में विस्तृत



● जल जीवन मिशन के अन्तर्गत वाटर ऑडिट वाटर एकाउंटिंग एंड एनर्जी ऑडिट ऑफ रूरल वाटर सप्लाई स्कीम विषय पर दो दिवसीय आवासीय प्रशिक्षण कार्यक्रम का आयोजन आरसीयूईएस लखनऊ में किया गया

तकनीकी जानकारी प्रदान की। कार्यशाला में प्रतिभाग करने वाले अभियंताओं ने प्रशिक्षण कार्यक्रम की प्रशंसा करते हुए बताया गया कि यह प्रशिक्षण कार्यक्रम उनके कार्यक्षेत्र में जल जीवन मिशन के अन्तर्गत परियोजनाओं

के बेहतर प्लानिंग, क्रियान्वयन तथा मानीटरिंग में उपयोगी सिद्ध होगा। प्रशिक्षण कार्यक्रम में उत्तर प्रदेश जल निगम (ग्रामीण), मध्य प्रदेश राज्य के पीएचईडी और एसडब्ल्यूएसएम, विभाग के विभिन्न

जनपदों के अधिशासी अभियंता, उप अभियंता, सहायक अभियंता एवं अवर अभियंता सहित कुल 42 अभियंताओं ने प्रतिभाग किया। प्रशिक्षण कार्यक्रम में जल जीवन मिशन के अन्तर्गत ग्रामीण क्षेत्रों में पेयजल व्यवस्था को टिकाऊ एवं दीर्घकालिक तथा (सस्टेनेबल एंड लांग टर्म) बनाने के लिए वाटर बजटिंग, वाटर बैलेंस प्लान, वाटर एनर्जी ऑडिट जैसे तकनीकी विषयों पर अभियंताओं को विस्तृत प्रशिक्षण प्रदान किया गया।



## Training programme held at RCUES

The Regional Centre for Urban and Environmental Studies, Lucknow, (RCUES), recently conducted a two-days level II residential training programme on operation and maintenance of rural water supply scheme under Jal Jeevan Mission. The objective was to train the functionaries on making drinking water projects more sustainable at the ground level. The training exposed the participants to the elements of community-managed rural water supply system, introduced various elements of management such as community preparation, finance and economics; and the need to deploy trained - skilled and unskilled - manpower to run the RWS system and provide the Gram Panchayats with the man-



agement options available, service level benchmarks, and service contract agreements in the case of contracting out water supply to third party agencies.

# GIS mapping in 14 key UP cities to double property tax revenue

## No. Of Houses Liable To Pay Tax Jumps To 45.88L

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**Lucknow:** The latest geographic information system (GIS) mapping in 14 key cities in Uttar Pradesh has resulted in almost doubling the number of establishments liable to pay property taxes to the civic bodies – from 27.16 lakh to 45.88 lakh. This means that the urban development department is expected to generate at least Rs 500 crore of additional revenue every year through property tax here on.

Mathura, Agra, Firozabad and Ghaziabad municipal corporations are going to reap the maximum benefits of the latest mapping in terms of revenue generation. In Mathura-Vrindavan belt, the number of properties within the local municipal corporation have gone up from 87,285 to 2.97 lakh, a 3.4-fold increase. Similarly, in Agra, instead of 1.91

lakh property owners, 4.54 lakh owners will be liable to pay house tax during the 2022-23 fiscal year. The mapping has helped the government identify properties that could not be captured through the physical surveys due to rapid urbanization within the past 10 to 15 years.

Initiated in 2019, the regional centre for urban and environmental studies (RCUES) appointed private agencies which had the technology and tools to carry out the geospatial studies. It took three more years to compile, collate and verify the data after juxtaposing it over the old maps available with the 14 municipal corporations which govern civic affairs in Lucknow, Kanpur, Prayagraj, Ghaziabad, Ayodhya, Mathura, Agra, Firozabad, Gorakhpur, Jhansi, Meerut, Saharanpur, Moradabad and Bareilly. Department's principal se-

cretary Amrit Abhijat said that on the basis of the findings of the survey, unique property identity numbers of the assessed properties have been provided. "In Lucknow, black plates have been pasted over the households which have been covered under the survey recently. The complete history of the charges being paid by the household will be available on our system after entering the property ID number," said Abhijat.

Director, RCUES, Nishith Rai said that apart from covering new properties into the system, the GIS survey has also helped in assessing the increased built-up area of the existing properties.

"Existing property owners will also have to pay the actual house, water and sewerage tax and charges in case they are found using more space or area," said Rai.

## RCUES Lucknow organizes two day Residential training programme

The Regional Centre for Urban and Environmental Studies Lucknow (RCUES) under Jal Jeevan Mission, conducted a 2- Days Level II Residential Training Programme for Engineers on Water Audit, Water Accounting and Energy Audit of Rural Water Supply Schemes under Jal Jeevan Mission on 06-07 July 2023 at Lucknow. 42 engineers from Uttar Pradesh Jal Nigam (Grameen), PHED & SWSM Department Madhya Pradesh participated in the training programme. The programme was inaugurated by Director, Dr. Nishith Rai.



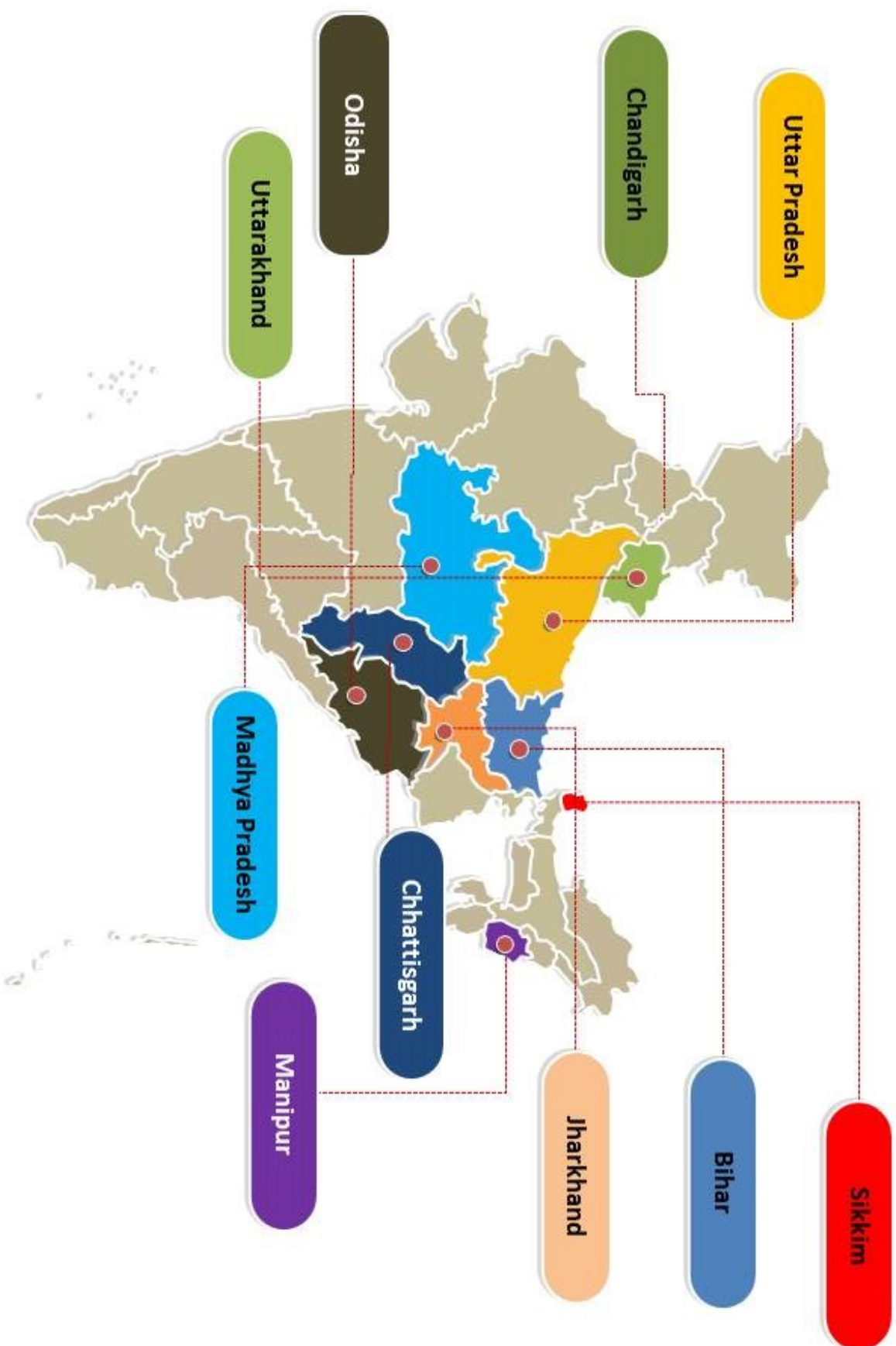


# Upcoming Campus of RCUES at Indira Nagar, Lucknow





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(आवासन एवं शहरी कार्य मंत्रालय, भारत सरकार)

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