

सत्यमेव जयते

REGIONAL CENTRE FOR URBAN & ENVIRONMENTAL STUDIES, LUCKNOW

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

NEWSLETTER

(Quarterly Publication)

July—September 2021



Adjacent Registrar's Office, Lucknow University Campus, Lucknow, Uttar Pradesh- 226007. Phone: 0522-2740108, 2740165

E-mail: rcueslucknow@gmail.com Website: www.rcueslucknow.org



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.

Sri Durga Shankar Mishra, IAS,

Secretary,

Ministry of Housing and Urban Affairs, Government of India and Chairman National Review & Monitoring Committee, RCUES Lucknow

Shri Deepak Kumar, IAS

Principal Secretary,

Housing & Urban Planning Department, Urban Development, Urban Employment & Poverty Alleviation Department, Govt of Uttar Pradesh and Chairman, Governing Council, RCUES Lucknow

Chief Editor:

Dr. Nishith Rai,

Director

Publication Officer:

Ms. Rachna Rishi

ONLINE TRAINING ON PM STREET VENDOR'S ATMA NIRBHAR NIDHI (PM SVANIDHI)

BACKGROUND

The outbreak of global pandemic COVID- 19 has led to massive devastation in India. In view of the global crises, Government of India declared a complete lock down in the country which has left a deep impact on the Street Vendors, labourers, migrant workers and all those marginalized communities who struggle hard for their survival. Government of India has declared a huge package of Rs. 20, 00,000 crores for reviving Indian economy and providing relief to affected persons. The package of Self Reliance include governance reforms, credit support to urban street vendors, MSMEs, start up business, SHGs, relief to migrant workers, poor, and homeless etc. The role of urban local governments has massively increased in post lockdown situation in prevention, spread of pandemic disease, response, and protection of frontline workers and rehabilitation of urban poor. Street vendors play a significant role in ensuring availability of the goods and services at affordable rate at the door-step of the city dwellers. The COVID-19

List of Online Training Programmes	
Date	No. of Participants
02-Jul-21	93
09-Jul-21	19
16-Jul-21	72
23-Jul-21	27
30-Jul-21	73
06-Aug-21	45
13-Aug-21	16
25-Aug-21	24

pandemic and consequent lockdowns have adversely impacted the livelihoods of street vendors. They usually work with a small capital and their earnings are grossly inadequate to survive their families for long period and thus the savings along with capital are consumed. Therefore, there is an urgent need to provide credit for working capital to street vendors to resume their business. Prime Minister SVANidhi Scheme has been launched by government of India to

support the urban street vendors in reviving their business and livelihood.

Against this backdrop, RCUES Lucknow organized eight online training programmes to discuss and deliberate upon the provisions and procedures of the scheme so that it may be effectively implemented in urban centres.

PARTICIPANTS

The participants of the training programme included Municipal Commissioners /Additional Municipal Commissioners /Deputy Municipal Commissioners / Assistant Municipal Commissioners. Executive Officers/ Chief Municipal Officers, State Mission Managers, City Mission Managers under DAY-NULM . Overall 369 participants attended the training programmes.

OBJECTIVES

- To highlight the status of urban poverty and approaches for its alleviation;
- To highlight the imperatives of Aatma Nirbhar Bharat and emerging opportunities for urban poverty alleviation;
- To discuss and deliberate upon the various provisions and procedures of the Prime Minister SVANidhi Scheme;
- To highlight the problems and challenges in implementation of Prime Minister SVANidhi Scheme and suggesting measures for its effective implementation.

SESSION

The sessions of the training included:

Approaches and Strategies of Urban Poverty Alleviation in View of Aatma Nirbhar Bharat

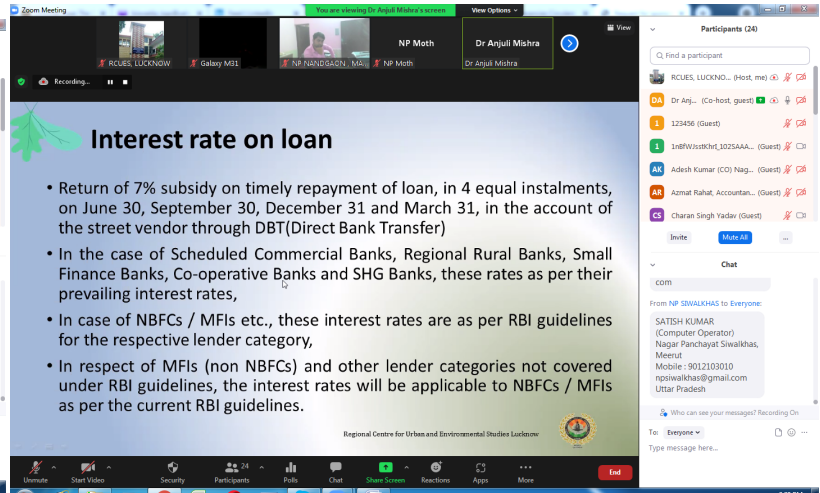
- Status of Urban Poverty Alleviation
- Policy Initiatives
- Changing Approaches and Strategies for Poverty Alleviation
- New Approaches in View of Aatma Nirbhar Bharat
- Support to Urban Street Vendors, Migrants, Homeless and Poor

Prime Minister SVANidhi Scheme

- Objectives and Criteria of Selection of beneficiaries
- Credit
- Procedures
- Implementation
- Problems and Prospects

COURSE COORDINATORS

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



ONLINE TRAINING PROGRAMME ON PHYTO AND BIO REMEDIATION OF POUNDS AND NALAS IN URBAN LOCAL BODIES OF UTTAR PRADESH AND JHARKHAND

BACKGROUND:

It is a well-known fact that cities/towns in the country do not have facilities for treatment and disposal of sewage. Class I and Class II cities, altogether generate 38,255 MLD of sewage and treatment facility is available only for 11, 787 MLD leaving a gap of 26,468 MLD (69%). This situation is resulting to water pollution in the recipient water bodies. In view of prevailing situation and considering magnitude of sewage pollution, Central Pollution Control Board (CPCB) proposes to launch 'In-situ sewage treatment with bioremediation technology; a scheme which is relatively cost-effective and offers simpler solution for Municipalities. In-situ Bioremediation refers to "Treatment of sewage in the running battery of flow without displacing; and by employing microbial consortia in aerobic and facultative environment to degrade sewage resulting into CO₂ and H₂O and reduce odour". In-situ treatment (IST) is simple and easy-to-operate and does not require major modification of the drain. Naturally occurring Microbial consortia is used in the treatment process or activated to degrade sewage in flowing conditions without diverting the flow and no additional requirement of land or Power is involved. The technology is considered to be cost-effective, relatively cheaper than conventional treatment methods, easy to handle, not requiring skilled manpower to operate. In the process, the microbes are activated and allowed to multiply by adding or extra-cellular enzymes in presence of oxygen and available food in form of organic matter and sewage degradation takes place. During the inoculation period, intensive dosing is done in the site and after stabilization of the treatment, normal dosing is

LIST OF TRAININGS

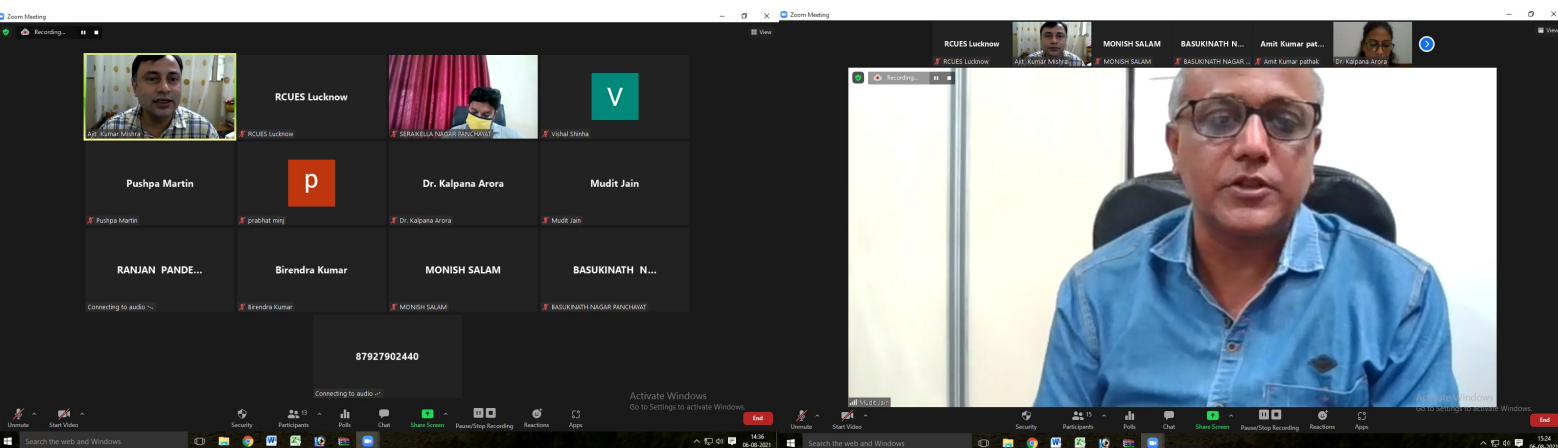
Date	No. of Participants
3-Jul-21	14
24-Jul-21	16
3-Aug-21	20
4-Aug-21	15
5-Aug-21	15
6-Aug-21	14

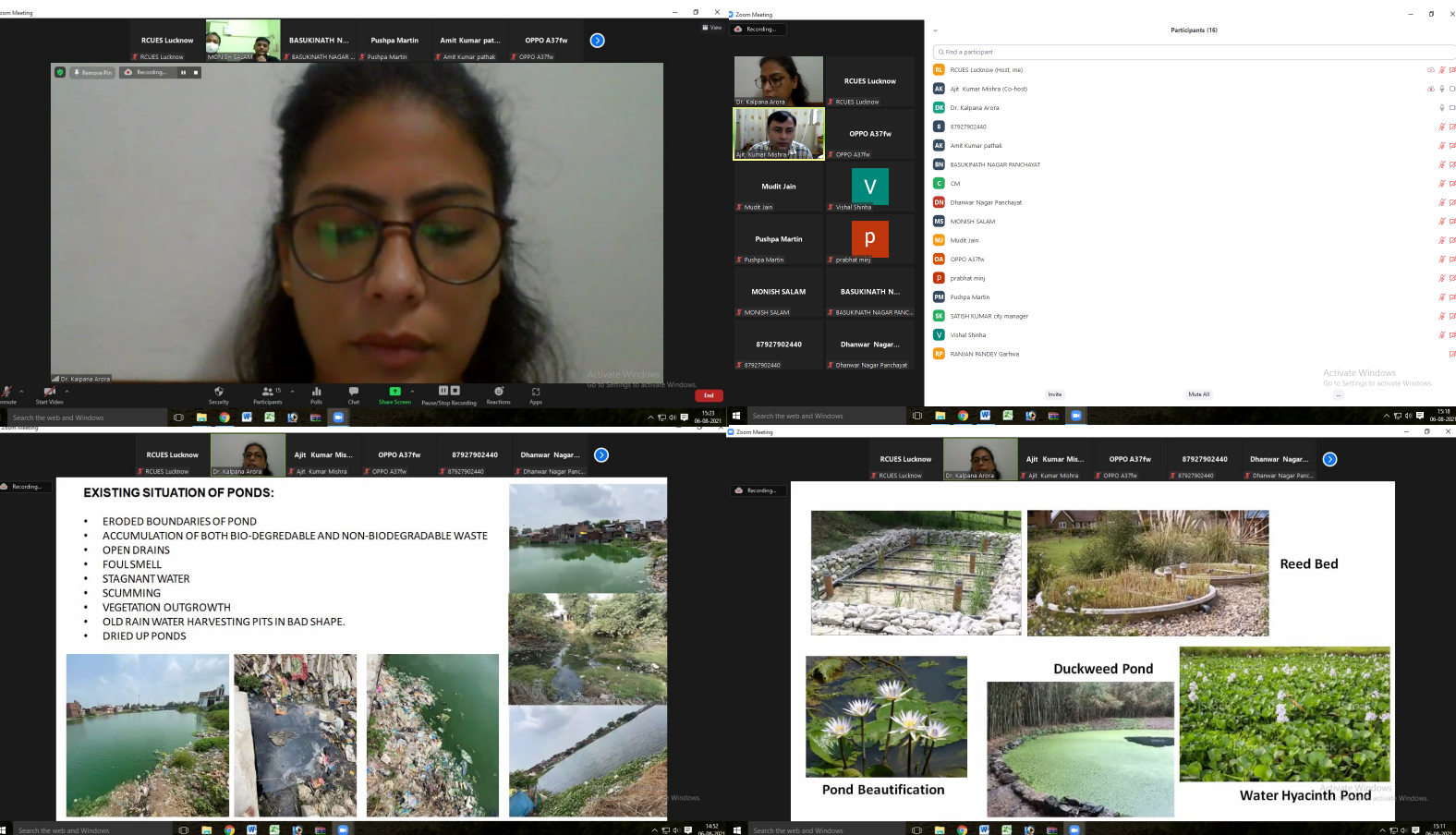
applied. The microbial dosing is done as per requirement assessed in terms of organic pollutants (microbial food) content in sewage. The activated microbes consume organic mass and utilize the nutrients from the water body for their growth and multiplication; thus enhance the cleaning action of wastewater. The anaerobic as well as facultative bacteria play a vital role in treatment of sewage without causing any release of foul odour. In the process of treatment pollutants in terms of BOD, COD, TSS, TDS, heavy metals and toxic chemicals are reduced. Due to the action of the dominant microbial consortia, the harmful pathogenic bacteria like E.coli, etc are suppressed or eliminated from the treated water.

In this above context Regional Center for Urban & Environmental Studies Lucknow organized six online Training Programme on Phyto and Bio Remediation of Pounds and Nalas in Urban Local Bodies of Uttar Pradesh and Jharkhand.

PARTICIPANTS:

In this series 6 online training programme was organized and total number of 94 participants were





trained.

COURSE COORDINATORS

The programmes were coordinated by Course Coordinator Mr. Ajit Kumar Mishra, Assistant Director RCUES, Lucknow.

OBJECTIVES:

SESSIONS

ONLINE TRAINING PROGRAMME ON DISASTER MANAGEMENT AND CLIMATE CHANGE

BACKGROUND:

Growing urbanization is posing serious environmental concerns in India in terms of changing land use pattern, increasing carbon emissions, solid waste generation and disposal, air and water pollution and poor sanitation amenities. A large segment of urban population in India resides in slums, squatters and informal settlement. These settlements are often located in low lying areas prone to direct and indirect risks due to environmental degradation including changes in the climate and lack of basic urban services.

India has been major centre of natural and human induced disasters in South Asia. Earthquakes, flood, drought, climate change, land sliding and cyclones are frequently occurring in India while naxalism, ethnic unrest, insurgency, fire, stampede, accidents etc. cause concern. In most of the cities, damage to vital infrastructure has wider implications on urban local governments in terms of sustainability of civic services and municipal resources management. The management of disasters include prevention, mitigation, preparedness, disaster response and rehabilitation of disasters victims as well as reconstitution of disaster affected areas. As we cannot predict disasters and control them, hence strategies for prevention and mitigation of potential loss of disasters are best suited while community based approaches for disaster response and rehabilitation has to be accorded top priority.

Against this backdrop, RCUES, Lucknow organized two online training programmes on Disaster Management and Climate Change to deliberate upon the pertinent issues and dimensions of prevention and mitigation of urban disasters and its effective management.

OBJECTIVES

LIST OF ONLINE WORKSHOPS	
Date	No. of Participants
05-Jul-21	26
12-Jul-21	17

- To discuss the national and state perspective of disasters and its management;
- To highlight the policy perspective and theoretical framework of prevention and mitigation of disasters;
- To examine the role of urban local governments in managing disasters in urban centres;
- To highlight the initiatives and best practices in prevention, response and mitigating disasters in urban areas;
- To highlight the importance of urban resilience in the context of climate change, disasters, and environmental sustainability;

PARTICIPANTS

The online training was aimed at Additional/ Deputy / Assistant Municipal Commissioners, Executive Officers, Engineers, Urban Planners, Specialists of Environment, Sanitation and Pollution Control, Chief Sanitary Inspectors and Zonal Officers. In total 43 participants attended the training.

COORDINATOR:

The training programme was coordinated by Dr A K Singh, Assistant Director, RCUES, Lucknow.



ONLINE TRAINING PROGRAMME ON E-GOVERNANCE & E-OFFICE

BACKGROUND

The Ministry of Information and Technology states that e-governance goes far beyond mere computerization of standalone back office operations. It implies fundamental changes in government operations; and new set of responsibilities for the legislature, executive, judiciary and citizens. Hence, Govt. of India has launched the Digital India Programme with the vision to transform India into a digitally empowered society and knowledge economy. e-Office being an integral part of the Digital India Programme is the medium to achieve a Simplifies, Responsive, Effective and Transparent paperless working in Government offices. It is helping government departments to bring avenues to improve the public delivery and eliminated delays in government offices. e-Office is an important breakthrough towards strengthening the governmental decision making machinery by extending the use of modern information and communication technology to the government processes

Against this view point, Regional Centre for Urban and Environmental Studies (RCUES), Lucknow under the auspices of Ministry of Housing and Urban Affairs, Government of India, New Delhi organized four online training programme on e-Governance and e-Office-Role in Municipal Service Delivery.

PARTICIPANTS:

The participants of the online workshop included Deputy Municipal Commissioner, Assistant Municipal Commissioner, Executive Officers, Engineers, MIS Experts, IT Experts, Officials who are involved in IT work etc of Uttar Pradesh and Uttarakhand State.

In total 129 participants attended the Online workshop.

OBJECTIVES:

- To familiarize the participants with the concept of E-Governance and e-Office;
- To highlight the need and importance of E-Governance and e-Office;

SESSIONS

LIST OF TRAININGS	
Date	No. of Participants
06-Jul-21	40
29-Jul-21	59
10-Aug-21	15
27-Aug-21	15

The sessions of the workshop included the following topics:

- E-Governance: Role in Municipal Service Delivery.
- e-Office: Concept, need and Importance

COURSE COORDINATORS

The online workshops were coordinated by Dr Rajeev Narayan, Deputy Director, RCUES, Lucknow and Dr. Nasruddin, Assistant Director, RCUES, Lucknow.

ONLINE TRAINING ON INCLUSIVE URBAN PLANNING WITH RESPECT TO SDG-11

BACKGROUND

SDG Goal 11 promotes inclusive and sustainable urbanisation. Making cities sustainable means creating career and business opportunities, safe and affordable housing, and building resilient societies and economies. It involves investment in public transport, creating green public spaces, and improving urban planning and management in participatory and inclusive ways.

Target: By 2030, enhance inclusive and sustainable urbanisation and capacity for participatory, integrated and sustainable human settlement planning and management in all countries and provide universal access to safe, inclusive and accessible, green and public spaces, in particular for women and children, older persons and persons with disabilities.

Against this view point, Regional Centre for Urban and Environmental Studies (RCUES), Lucknow, organized three Online workshop on Inclusive Urban Planning with respect to SDG Goal 11 for the Municipal Officials, Urban Planner and Urban Infrastructure Expert of Urban Local Bodies..

OBJECTIVES:

- Establishing the need for better understanding of Sustainable Goal 11;
- To develop an understanding on aspects of Inclusive Urban Planning;

- To suggest suitable policy measures for urban planning and sustainable Inclusive development of cities

PARTICIPANTS:

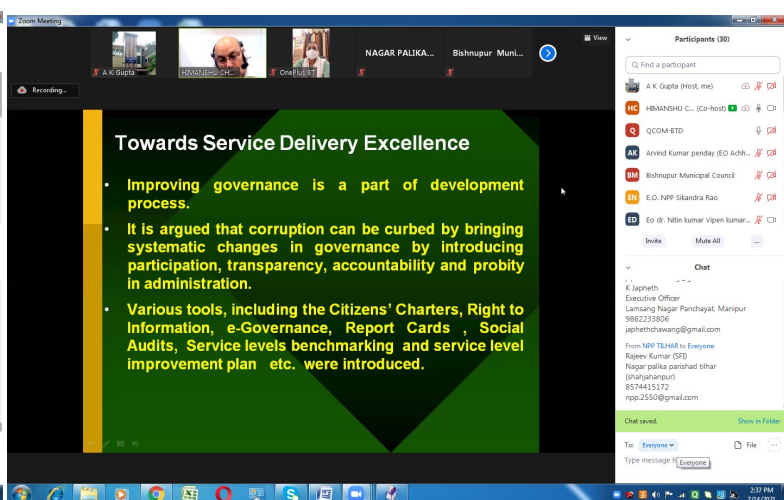
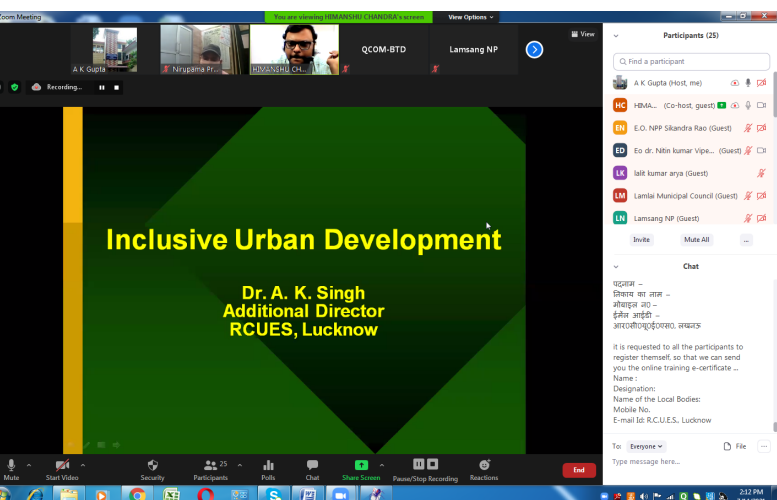
The Training was aimed at Urban Planners, Urban Infrastructure expert of AMRUT Cities, Town planning officer in TCPO departments, Jal Nigam

LIST OF TRAININGS	
Date	No. of Participants
07-Jul-21	22
14-Jul-21	40
28-Jul-21	34

Engineers who are implementing the AMRUT Schemes, Nagar Nigam and Nagar Parishad Administrative Officer and engineers engaged in AMRUT. In total 96 participants attended the training programme.

COORDINATOR:

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



ONLINE TRAINING ON INTEGRATED DASHBOARD FOR MONITORING OF PROPERTY TAX

In 14 municipal corporations (Lucknow, Ghaziabad, Prayagraj, Agra, Mathura Ayodhya Bareilly, Moradabad, Saharanpur, Firozabad, Kanpur, Meerut, Jhansi & Gorakhpur) the GIS Based property taxation is being done through the companies nominated by the government. Integrated Dashboard has been developed by UPDESCO to monitor the Property Survey & Tax Assessment Activities for 14 ULBs under the direction of RCUES.

Various filters like selection of Vendor, concern ULBs, zone no & Name, Ward no & name are provided on dashboard for viewing reports in tabular and graphical form in effective way.

Graphical & Tabular representation of total number of Property Surveyed by Vendors, QC done by vendors and Verified by Municipal Corporation out of Total property can be obtained by the dashboard.

Graphical and tabular representation of Properties verified by Nagar Nigam Officers & having ARV (Annual Rental Value) less than 25%, between 25% - 50 % & greater than 50 % can be find out using the dashboard.

Daily Progress report of the 14 Municipal Corporations can be downloaded via Integrated Dashboard by a single click.

Daily progress of Vendors and concern Nagar Nigam officers activities can be monitored by the Dashboard like No. of deputed surveyors, category wise (Residential, Non-residential & Mixed) details of the surveyed properties, No. of properties submitted by vendors to the Nagar Nigam officers for online verification, No. of properties verified by Nagar Nigam officers, No. of rejected properties by Nagar Nigam officers, No. of notices issued & finally settlement properties etc.

Integrated Dashboard can be used to find the details of New- assessed properties as well as No. of properties which ARV (Annual Rental Value) have been increased or decreased.

Integrated Dashboard can be used for analyzing the properties to which notices to be issued.

Integrated Dashboard has provision to navigate the individual PTMS Portal developed by vendors for the concern Nagar Nigam for the detailed information of the properties.

FIVE-DAY RESIDENTIAL SPECIALIZED TRAINING PROGRAM ON VARIOUS DIGITAL PLATFORMS, E-TENDER, GEM PORTAL, PFMS & E-GRAM SWARAJ FOR RURAL DEVELOPMENT AND PANCHAYATI RAJ DEPARTMENT, U.P. OFFICIALS AND STAFF

BACKGROUND

E-government involves the digitization of procedures, documents, and services to improve governance by the use of modern technology. Digital government uses the tools provided to improve the management and organization of a governments' services to appeal to the current needs of its citizens.

Technology not only improves the lives of people, but plugs leakages and helps in tackling corruption. The new digital environment offers opportunities for more collaborative and participatory relationships across stakeholders to actively shape political priorities, collaborate in the design of public services and participate in their delivery, with the public value chain highlighting changes to public sector boundaries. Digitization will play a key role to leverage this transformation of the public sector at large, given its potential to increase productivity and inclusiveness of service production and delivery in public welfare areas.

Use of technology as well as various platforms such as E-Tender, GeM Portal, PFMS & eGramSwaraj has enabled full benefits of the government programs and schemes to reach the masses, bringing about unprecedented change and inclusive development. Use of technology has brought in more transparency and ensured that government schemes and their benefits reach the masses.

The primary aim of digitalization in rural and panchayati raj institutions is strengthening Panchayati Raj Institutions (PRIs) for achieving Sustainable Development Goals (SDGs) with main thrust on convergence with various missions/schemes and emphasis on strengthening PRIs. Introduction of various digital web based portals like E-Tender, GeM Portal, PFMS & eGramSwaraj aims to bring in better

LIST OF TRAININGS

Date	No. of Participants
13-17 September, 2021	15
27 Sept to 01 October, 2021	15

transparency in the decentralized planning, progress reporting and work-based accounting.

The initiative is a part of the Digital India program in the country and aims to promote e-governance of the Panchayats in villages. This way, villages will be able to work and govern and digitally, thus, bringing about digital literacy in the villages.

To aware the officials and staff of Panchayati Raj and Rural Development Department, the Regional Center for urban & Environmental Studies, Lucknow took the initiative of conducting 5 Days Residential Specialized Training Programme on Various Digital Platforms-E-Tender, GeM Portal, PFMS & eGramSwaraj.

OBJECTIVES

- To aware the participants with fundamental of E-Tendering process
- To handhold the participants on bid creation, bid preparation, use of digital signature, drafting of RFP and BOQ
- To introduce the participants with the Gem portal platform
- To aware the participants with profile updation, GFR rules for procurement, process of direct purchase and L1 purchase.
- To handhold the participants on the Gem Portal, buyer functionality and registration and different types of bid process/RA process, generating CRAC and bill process,

order process, payment updation etc.

- To introduce the Public finance management system to the participants
- To aware the participants with SNA, EAT and DBT Modules
- To handhold the participants with different PFMS Modules, MIS and UC processes.
- To introduce the e-GramSwaraj Portal to the participants
- To aware the participants preparing development plans at the Gram Panchayat and Zila Panchayat levels.
- To aware the participants about the Reporting modules and physical progress module, accounting modules with financial progress.
- To handhold the participants with mActionSoft App and e-GramSwaraj Portal with integration of online payment system through PFMS.

SESSIONS

The sessions of the training included: Introduction to E tender portal & its Fundamentals, Types of E-tender Documents, Drafting of RFP & BOQ, Process of E-Tendering & Use of Digital Signature, Bid creation, Bid Uploading, Downloading & Evaluation, Hands on Practical Training on E-Tender, Introduction to GeM, Buyer Functionality & Registration, Gem Profile Updation, GFR Rules, Direct Purchase & L1 Purchase, BID/RA Process, CRAC & Bill Process, Request Module & Custom BID, BOQ BID, Order Processing, Payment Updation, Hands-on Practical Training on GeM, Introduction to Public Finance Management System PFMS, SNA Module, PFMS EAT module, Direct Benefit Transfer - DBT modules, Hands-on Practical Training on EAT, MIS & UC, eGramSwaraj – Introduction Planning Module with Gram Panchayat Development Plan Upload, Reporting Module with Physical Progress,

Accounting Module with Financial Progress, Hands-on Practical Training on mActionSoft & eGramSwaraj PFMS Integration online payment system. On the last day of the programme RCUES conducted online assessment test of the participants to assess the level of knowledge gained by the participants on E-Tender, GeM, PFMS & eGramSwaraj portals. Online assessment was done through classmarker software and on digital portals. All participants who successfully completed the training programme and cleared the assessment test were given certificates.

PARTICIPANTS:

30 Officials and Staff from Department of Panchayati Raj, Directorate of Panchayati Raj, Zila Panchayat Monitoring Cell, Uttar Pradesh Rural Road Department and Department of Rural Development were trained.

The Participants included Deputy Director, Executive officers, Consultants, Network Engineers, Project Managers, Chief Finance & Accounts Officer, Accounts Officers, Additional Chief Officers, Junior Engineers, Accountants, Computer Operators & Clerks

COORDINATION:

The programme was coordinated by Dr. Alka Singh, Deputy Director, Mr. Ajit Mishra, Assistant Director and Dr. Nasruddin, Assistant Director, RCUES Lucknow.

ONLINE TRAINING ON LEGACY WASTE MANAGEMENT IN URBAN LOCAL BODIES

BACKGROUND

Bioremediation is a simple mechanical-biological treatment which aerobically composts organic fraction of mixed waste and offers a low cost solution to reduce the climate impact of landfill sites – the highest GHG generator in the waste sector. It requires aeration of mixed waste in old dumps by formation of wind-rows and spraying microbial culture that rapidly degrades organic matter aerobically, thus ceasing the production of methane and leachate to nearly zero. For proper aeration, the wind-rows are mechanically turned weekly multiple times, which ensures faster degeneration. It has been demonstrated to reduce the volume of waste by up to 40 per cent, after 4 turnings. The potential of methane gas generation is theoretically brought down by 90 per cent, compared to merely dumping an equivalent quantity of waste unprocessed (Bogner et al, 2007). Mechanical-biological methods could also be used in combination in upgrading landfill sites (ISWA 2009). As regards the large accumulated mixed waste at landfill sites which are used as dumpsites, bioremediation provides a low-cost and expedient solution to the problem of the large accumulated mixed waste at landfill sites. Bio-mining further makes it possible to extract resources from the stabilized waste and reuse the same productively, while at the same time releasing space for other uses at the landfill sites. It works both towards financial and environmental sustainability.

Against this view point, Regional Centre for Urban and Environmental Studies (RCUES), Lucknow under the auspices of Ministry of Housing and Urban Affairs, Government of India, New Delhi organized four online training programme on Legacy Waste Management in Urban Local Bodies.

OBJECTIVES

The main objectives of the online trainings were:

- To familiarize the participants with the Need & Importance of Legacy Waste Management;
- To acquaint the participants with the Method & Solutions for Legacy Waste Management;

LIST OF TRAININGS

Date	No. of Participants
13-Jul-21	40
27-Jul-21	39
17-Aug-21	34
09-Sep-21	20

PARTICIPATION

The Training was aimed at Deputy Municipal Commissioner, Assistant Municipal Commissioner, Executive Officers, Engineers, Zonal Sanitary Inspectors, Sanitary Inspectors, Officials who are involved in Solid Waste Management. In total 133 participants attended the training programme.

SESSIONS

- Need & Importance of Legacy Waste Management
- Methods & Solutions for Legacy Waste Management
- Need, Importance and Role of IEC in further Generation of Legacy Waste

COORDINATOR

The training programme was coordinated by Dr. Rajeev Narayan, Deputy Director, RCUES, Lucknow and Dr. Nasruddin, Assistant Director, RCUES, Lucknow.

ONLINE TRAINING ON RAIN WATER HARVESTING

BACKGROUND

India is experiencing rapid urbanization and consequently water demand in urban areas is escalating. Due to shortage of surface water sources in many urban centers, ground water is now increasingly tapped for water supplies. As a result, there is lot of pressure on underlying aquifers for fulfilling the domestic water demand. Inadequate access to improved water has been a persistent challenge for many Indian cities. Urban water resources are overstressed due to increase in urban population, pollution and unplanned as well as un-sustainable urban growth. Moreover, over exploitation of ground water resources in urban centers for quenching the thirst of increasing urban population, changing lifestyle, and water uses for various purposes is cause of concern. priority. Thus, management of water resources is imperative rather than development of the resources. In order to address water scarcity, it is important to undertake efforts for conservation, restoration, recharge and reuse of water. In this pursuit, Ministry of Jal Shakti, Government of India has launched Jal Shakti Abhiyan from 1st July, 2019. Rain Water Harvesting (RWH) is collection and storage of rainwater from roof tops, roadside, open areas, etc. which can be stored for further usage or recharged into ground water to augment water resources RWH needs to be implemented as per the provisions of MBBL, 2016 shared with all States/UTs for adoption. Most of the States/UTs have incorporated RWH in their respective Building Bye-Laws. Cities need to ensure that the RWH provisions are incorporated in their or State Building Bye-Laws (BBLs), as may be applicable.

Against this backdrop, RCUES, Lucknow organized five online training programmes on **Rain Water Harvesting** to deliberate upon the pertinent issues and dimensions of water resources management and RWH in urban centres.

OBJECTIVES

The main objectives of the online trainings were:

- To discuss the need and importance of conservation of water resources ;

LIST OF TRAININGS

Date	No. of Participants
19-Jul-21	23
26-Jul-21	35
02-Aug-21	41
09-Aug-21	33
28-Aug-21	61

- To highlight the policy perspective and theoretical framework of rain water harvesting in urban centres To examine the role of urban local governments in conservation of water resources and rejuvenating water bodies ;
- To highlight the initiatives and best practices in rain water harvesting in urban centres.

PARTICIPATION

The Training was aimed at Additional/ Deputy / Assistant Municipal Commissioners, Executive Officers, Engineers, Urban Planners, Specialists of Environment, Specialist Infrastructure Development, Chief Sanitary Inspectors and Zonal Officers. In total 193 participants attended the training programme.

SESSIONS

- Conservation of Water Resources
- Rain Water Harvesting in Urban Areas

COORDINATOR

The training programme was coordinated by Dr. A K Singh, Assistant Director, RCUES, Lucknow.

ONLINE TRAINING ON TRAFFIC AND TRANSPORT MANAGEMENT: TRANSPORT4 ALL

BACKGROUND

The Transport4All—an initiative of the Ministry of Housing and Urban Affairs of the Government of India—aims to bring together cities, citizens, and startups to develop solutions that improve public transport to better serve the needs of all citizens. At the core of the Challenge are citizens who will not only define the problems for which solutions shall be created but also help startups and cities to refine the solutions to meet their needs.

Cities and startups will receive guidance to develop and test various solutions, learn from them, and scale them to build people's trust in public transport and enhance their mobility.

Against this view point, Regional Centre for Urban and Environmental Studies (RCUES), Lucknow, organized four One day Online workshop on “Transport 4 All” for the Municipal Officials, Urban Planner and Urban Infrastructure Expert of Urban Local Bodies.

PARTICIPANTS:

The participation in the online workshop included Municipal officials, Urban Planners, Urban Infrastructure expert of Cities, Town planning officer in TCPO departments, Traffic Engineers who are implementing the Transport projects, Nagar Nigam and Nagar Parishad Administrative Officer and engineers engaged in Urban Transport Sector. In total 83 participants attended the workshop.

OBJECTIVES:

- To develop an understanding public transport—formal as well as informal—safe, convenient, and affordable for all.
- To develop an understanding on aspects of Street Design Guidelines
- To understand the design aspects of Urban Transport Planning.
- To suggest suitable policy measures for urban transport planning and sustainable inclusive development.

LIST OF ONLINE WORKSHOPS	
Date	No. of Participants
04-Aug-21	24
11-Aug-21	20
18-Aug-21	15
27-Aug-21	24

SESSIONS

The major session of the workshop included Traffic and Transportation: Transport 4 All

COORDINATOR

The online workshop was coordinated by Mr Himanshu Chandra, Assistant Director RCUES Lucknow.

ONLINE TRAINING PROGRAMME ON FEACAL SLUDGE & SEPTAGE MANAGEMENT IN COLLABORATION WITH WASH INSTITUTE

BACKGROUND:

Since the roll out of SBM, many programs and policies have been put in place mandating the importance and uptake of Fecal Sludge and Septage Management (FSSM) Many ULBs with the support of State Governments and civil society organisations have initiated planning for FSSM. This support comes with standard set of guidelines or codified knowledge for implementing FSSM in various locations. It is now the role of the ULB to use their knowledge of local context and select the solutions most suitable for their region. For doing this, it is very vital that the key decision makers at the ULB have knowledge of such solutions, tools to contextualise them and awareness of the various dimensions of decision required to implement FSSM.

As opposed, to basic knowledge of FSSM, these decision makers at ULB require specialised, in-depth and practical knowledge to operate and supervise the solutions best suited for them. The advanced course is designed for participants that have successfully completed the 'Orientation course' and are prepared to plan or implement FSSM in their respective towns and cities.

In view of the above RCUES Lucknow in collaboration with WASH Institute organized 2 Online orientation training programme on Fecal Sludge and Septage Management.

OBJECTIVES

- To orient the participants to understand and assess FSM situation in their city
- To trained the participants on estimation of Fecal Sludge demand
- To orient the participants on Planning for emptying and transportation of FSM
- To aware participants on Planning treatment systems
- To acquaint the participants on Planning regulatory measures and IEC activities

LIST OF ONLINE WORKSHOPS	
Date	No. of Participants
12, 14 & 16 July, 2021	32
16, 18 & 19 August, 2021	54

- To familiarize the participants about Planning operations model of FSM

PARTICIPANTS:

All key stakeholders involved in FSSM decision making process to participated in the training program. Total 86 Participants of urban local bodies of Uttar Pradesh were trained

COURSE DELIVERY PLATFORM:

The course offered blended format, i.e. mix of virtual trainings and self-paced learning. The training facilitated interaction between participants. In addition to the live sessions the participants were required to complete certain set of assignments in order to complete the course. Participants who attended all the online session and completed the course work (videos, essential reading, games, quiz and other evaluations) were provided certificate of completion.

SESSIONS

- Introduction to the course and FSM
- Planning for FSSM, Onsite sanitation systems, Emptying and Transportation, Treatment of Fecal Sludge
- Regulations for FSM, Operation model, wrap up

COORDINATION:

The training programme was jointly coordinated by Dr. Alka Singh, Deputy Director and Mr. Ajit Mishra, Assistant Director, RCUES Lucknow

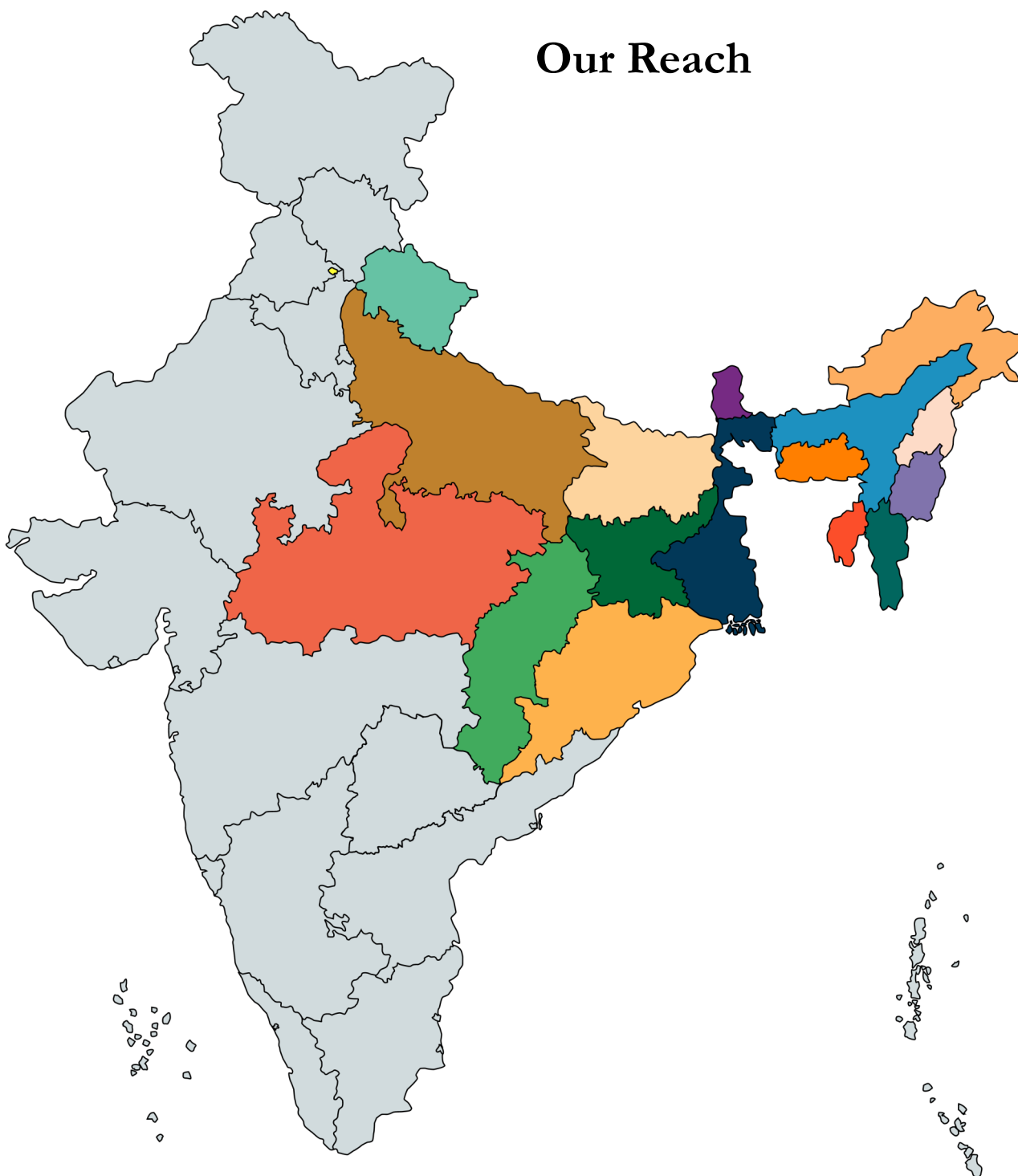
INITIATIVES & ACHIEVEMENTS

- **RCUES Lucknow has been awarded a social audit project by SUDA, Uttar Pradesh in five local bodies namely Maholi (Sitapur), Bithoor (Kanpur Nagar), Sikandra (Kanpur Dehat), Barwar (Lakhimpur Kheri), Kora Jahanabad (Fatehpur). The audit team comprises of Dr Anjuli Mishra, Joint Director and Dr A. K. Singh, Assistant Directors, RCUES Lucknow**

Upcoming Campus of RCUES at Indira Nagar, Lucknow



Our Reach



For further details contact:

**Regional Centre for Urban & Environmental
Studies, Lucknow**

Adjacent Registrar's Office, Lucknow University
Campus, Lucknow, Uttar Pradesh- 226007

Ph: 0522-2740-165, 2740-382,

Fax: 0522-2740-165

Email: rcueslucknow@gmail.com

www.rcueslucknow.org

क्षेत्रीय नगर एवं पर्यावरण अध्ययन केन्द्र, लखनऊ

(आवासन एवं शहरी कार्य मंत्रालय, भारत सरकार)

लखनऊ विश्वविद्यालय परिसर, कुलसचिव कार्यालय के
समीप, लखनऊ २२००७

फोन: 0522-2740-165 (टेलीफैक्स), 2740-382

rcueslucknow@gmail.com

www.rcueslucknow.org