



सत्यमेव जयते

REGIONAL CENTRE FOR URBAN & ENVIRONMENTAL STUDIES, LUCKNOW

(MINISTRY OF HOUSING AND URBAN AFFAIRS,
GOVERNMENT OF INDIA)

Let's adapt **SMART**
WATER & SEWERAGE
MANAGEMENT
for Cities of
TOMORROW

STRONG GIS
FOR **STRONGER**
URBAN PLANNING

SMART
MOBILITY
FOR A CLEANER
FUTURE

Source
Alstom CO₂ Emissions

GENDER
inclusive
DEVELOPMENT

Year
2012-13

Year
2015-16

27.4%
women participation
in India's Workforce

REJUVENATING
URBAN SPACES
FOR A
HEALTHY LIVING

ANNUAL REPORT

2018-19



ANNUAL REPORT

2018 - 19



Regional Centre for Urban & Environmental Studies, Lucknow
(Ministry of Housing and Urban Affairs, Government of India)

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Regional Centre for Urban & Environmental Studies (RCUES) Lucknow is one of premiere Centres in the country in the field of Urban Management. It was established by the Ministry of Housing and Urban Affairs, Government of India at University of Lucknow in the year 1968. The Centre provides expertise, advisory services & consultancy services to urban local bodies and parastatals.

Vision

To help urban local governments in achieving sustainable Urban Development through a holistic approach.

Mission

Building Capacities Of City Managers For Achieving Good Urban Governance.

Target Group

The RCUES provides training and consultancy services to functionaries of Urban Local Bodies which includes the Executives and Elected Representatives and Officials of Parastatals.

Major Activities

The key activities of the Centre include Training, Capacity Building, Research, Consultancy Services and Dissemination of Information relating to the Urban Sector.

Resources

The Centre is located in the heart of Lucknow. It has three conference halls cum lecture halls, all equipped with updated teaching aids and communication facilities, a computer lab with the latest hardware and relevant softwares and a library rich in collection and subscription. The Centre has its own well-furnished trainee's hostel with AC rooms. A core team of qualified and experienced faculty and researchers. Program based dedicated cells are also created from time to time. Expert team comprising of trainers on Social Development, Urban Planning, Municipal Finance, Livelihood Development, GIS/MIS are created from time to time to cater the needs of various programs organized under the auspices of the Ministry of Housing & Urban Poverty Alleviation.

Funding

The RCUES receives regular financial support in the form of grants-in-aid from the Ministry of Housing and Urban Affairs, Government of India and Government of Uttar Pradesh.

MANAGEMENT

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.

The Centre is governed by three bodies, viz. National Review & Monitoring Committee, Headed by Secretary, Ministry of Housing and Urban Affairs, Government of India; Governing Council Headed by Principal Secretary, Department of Urban Development, Government of Uttar Pradesh and State Advisory Councils headed by Secretary/Principal Secretary (UD)/LSG of concerned State.



Sri Durga Shankar Mishra, IAS,

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



Sri Manoj Kumar Singh, IAS,

Principal Secretary, Department of Urban Development, Government of Uttar Pradesh and Chairman, Governing Council & State Advisory Council, RCUES Lucknow

Heads of State Advisory Councils of each constituent State of RCUES Lucknow

Principal Secretary,
Urban Administration & Development Department,
Government of Madhya Pradesh,

Principal Secretary
Urban Administration & Development Department,
Government of Chhattisgarh

Principal Secretary
Department of Housing & Urban Development,
Government of Odisha

Director,
Urban Development Directorate,
Government of Uttarakhand.

Principal Secretary (UD & Housing)
Urban Development and Housing Department,
Government of Bihar

Secretary
Urban Development and Housing Department,
Government of Jharkhand

Principal Secretary
Department of Urban Development and Housing
Government of Sikkim

Secretary
Dept. of Municipal Administration,
Housing & Urban Development
Government of Manipur
Imphal

Secretary (Finance & Urban Planning)
Dept. of Urban Development & Housing (UD&H)
Chandigarh

RCUES BOARD

NATIONAL REVIEW & MONITORING COMMITTEE

Secretary, Ministry of Housing and Urban Affairs, Govt. of India	Chairman
Vice Chancellor, Lucknow University, Osmania University, Hyderabad, Director IIPA, New Delhi, Director General of AIILSG, Mumbai or Senior Level representative.	Member
Joint Secretary, Ministry of Housing and Urban Affairs, Govt. of India	Member
Joint Secretary & FA, Ministry of Housing & Urban Affairs, Govt. of India	Member
Secretary (UD) of the concerned State i.e. Uttar Pradesh, Telengana, Maharashtra and New Delhi where the RCUES is Located.	Member
Director, RCUES, Mumbai, Lucknow, Hyderabad, and Director, Centre for Urban Studies (CUS), IIPA, New Delhi	Member
DS/ Director, Local Self Government, Ministry of Housing & Urban Affairs, Govt. of India	Member Secretary

GOVERNING COUNCIL

Principal Secretary (UD), Govt. of Uttar Pradesh	Chairman
Vice Chancellor of any University in the State of Uttar Pradesh, as decided by the State Government of Uttar Pradesh	Member
Joint Secretary, Ministry of Housing and Urban Affairs, Govt. of India or his nominee	Member
One nominee each from two State Govt. in the RCUES's jurisdiction on rotation basis to be nominated by Ministry of Housing and Urban Affairs, Govt. of India	Member
Director, RCUES, Lucknow	Member Secretary

STATE ADVISORY COUNCIL

Secretary/Principal Secretary (UD)/LSG of concerned State	Chairman
JS (MoHUA) or his nominee	Member
Director, RCUES, Lucknow	Member
Sr. Representative of Water Supply Board	Member
Commissioner of State Transport	Member
Director, Town & Country Planning	Member
Sr. Member/Faculty of RCUES Lucknow	Member
Commissioner, Municipal Administration of respective Government	Member Secretary

OUR CORE TEAM

The RCUES has a core team of qualified and experienced faculty and researchers. Programme based dedicated cells are also created from time to time. Expert team comprising of trainers on Social Development, Urban Planning, Municipal Finance, Livelihood Development, GIS/MIS are involved in projects and programmes undertaken by the Centre from time to time.



Dr. Nishith Rai,
Director



Er. A K Gupta,
Additional Director



Dr. Anjuli Mishra,
Joint Director



Dr. Rajeev Narayan,
Deputy Director



Dr. Alka Singh,
Deputy Director



Dr. A.K. Singh,
Assistant Director



Mr. Himanshu Chandra,
Assistant Director



Dr. Nasruddin,
Assistant Director



Mr. Ajit Kumar Mishra,
Assistant Director

OUR REACH

The key activities of the Centre include training, capacity building, research, teaching, consultancy services and dissemination of information relating to the urban sector in the states of Uttar Pradesh, Madhya Pradesh, Bihar, Odisha, Uttarakhand, Jharkhand, Chhattisgarh, West Bengal, Chandigarh and States from the North East. The Centre provides its Consultancy and advisory services across the country.



OVERVIEW AND STRATEGY



Dr. Nishith Rai
Director,
RCUES Lucknow

Regional Centre for Urban and Environmental Studies was created with an aim to boost the implementation of Urban policies by the Ministry of Housing and Urban Affairs, Government of India. Keeping in view the liberalization of economy, rapid economic growth, devolution of funds and functions to Panchayat and Urban Local Body level, enhanced transparency, globalization etc., the Regional Centre continues to play a vital role in nurturing the Human Resource in the urban municipal sector. The Centre undertakes research studies on substantive and contemporary issues as well as in specific areas as sponsored by the governments, national organisations and international agencies. It also offers advisory services in operational areas to the government and public sector enterprises. Besides, it conducts a large number of training programmes on various aspects and facets of the study and practice of urban development, administration and management. It also publishes and disseminates literature on urban development including journals.

The year round activity of RCUES Lucknow includes an exhaustive preparation of Training Plans at Regional, State and City levels which are approved by the Governing Bodies of the Centre. This report comprises of the details of activities conducted by the centre during the Fy 2018-19.

The core team of RCUES Lucknow engages in Training Needs Assessment, preparation of training material, identification and conducting Research projects, conferences, symposiums as well as conducting in-house training courses.

I'm delighted to share that RCUES Lucknow has achieved more than double the targets set for the FY 2018-19, during which different programmes and activities were conducted under the SMART CITY Mission, Swachh Bharat Mission, AMRUT, DAY-NULM, Fecal Sludge and

Septage Management, Urban Sanitation, Programmes under the Ministry of Women and Child Development and other specialized programmes conducted for different parastatal agencies like cantonment boards and MES, Vihaan Awasiya Vidhyalaya.

I appreciate the efforts made by RCUES Team and our associated partners.

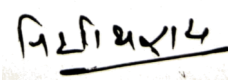
This Report of the Regional Centre for Urban and Environmental Studies, Lucknow pertains to the year 2018-19. The Report presents the activities of the Centre under the following major heads:

- Training
- Dissemination of Information related to Urban Development Sector
- Associational and Outreach Activities.

Besides, the Report includes information about the:

- Centre's Finances
- Academic Events like Seminars, Conferences, Lectures, Visits, etc.
- Academic Activities of Faculty
- Administrative and Personnel Matters.

Year 2018-19 has been a year of extreme work output by the RCUES team. Various initiatives have been taken in the field of capacity building activities as well as Outreach activities by the Centre.


(Dr. Nishith Rai)

SNAPSHOT OF ACTIVITIES CONDUCTED IN 2018-19

Name of the Activity/ Programme	Target FY-2018-19		Achievement FY 2018-19		Deliverables
	No. of Progs.	No. of Participants	No. of Programmes	No. of Participants	
Training Programme	108	3360	162	3063	<u>Under AMRUT</u> : 590 administrative staff, 233 Finance officials, 277 Engineering staff & 786 Elected Representatives of 180 ULBs were trained. <u>Under SBM</u> : - 173 Executive Officers of 173 ULBs & 7 administrative staff were trained. <u>Under NULM</u> :-25 CMMs & COs of SUDA & DUDA and 939 Street Vendors were trained. <u>Under Smart City</u> :- PMC experts, Engineers & Nodal Officers from 10 Smart Cities <u>Workshop</u> :- Executive Officers, SFIs, Engineers,DPM, NGOs, Civil Society, Organization, Elected Representatives, Parastatle agencies and administrative staff. <u>Exposure Visits</u> :-Mayors, Municipal Commissioners, Executive officers, Engineers of Uttar Pradesh, Jharakhand and Chhattisgarh States
Workshops			34	2221	
Conference/ Seminar			2	317	
Exposure Visit			9	345	
Sub Total	108	3360	207	5946	
Publications	12		12		- Training Modules (4) -Uttar Pradesh Solid Waste Management Policy (1) -Bi annual Journal- Urban Panorama (2 issues) -Quarterly RCUES Lucknow news letter(4 issues) -Annual report of FY 2018-19 (1) - FSSM Research Studies (2) - Third Party Reform Assessment (1) - Collection & Transportation of SWM (15) - Composting & Treatment of SWM (2) - Development of Parks & Open Spaces (186) - Sewerage Treatment Plant (1) - Consultancy assignments (9)
Research	7		3		
Other activities - (DPRs & Consultancy Assignment)	25		213		
Grand Total	44		228		

Major Activities of the Centre During 2018—19

WORKSHOPS AND SEMINARS

NATIONAL WORKSHOP ON FAST TRACKING URBAN INFRASTRUCTURE PROJECTS IN UTTAR PRADESH

In a first of its kind initiative by the Urban Development Department, Government of Uttar Pradesh to have a direct dialogue with the companies/firms/bidders to identify issues in implementation of projects and to develop a bidder friendly environment in the State to fast track the projects under different flagship missions.

A one day National Workshop on Fast Tracking of Urban Infrastructure Projects in Uttar Pradesh in collaboration with Regional Centre for Urban and Environmental Studies, (RCUES) Lucknow (State Resource Centre) was organized on 20th September 2018 at Renaissance Hotel, Gomti Nagar, Lucknow.

The major focus of the Government was to have a one to one discussion with the Developers/ Companies/ Firms working across India in the sectors of Water Supply, Sewerage, Drainage, Septage, Solid waste Management and Sanitation under various National Missions of Government of India viz. AMRUT, Swachh Bharat Mission, Smart Cities Mission etc.

The workshop aimed to showcase the investment opportunities and potential in the various flagship missions and

Urban Infrastructure projects of Uttar Pradesh. It offered a global platform, which will bring together leaders from the corporate world, senior

policymakers, infrastructure companies and organisations working in the field of Urban Development from around the Country to further the cause of fast tracking the Urban Infrastructure projects in Uttar Pradesh. The issues discussed were related to the Implementation and discussion on issues pertaining to the schemes.



Shri. Suresh Khanna, Hon'ble Minister Urban Development, Parliamentary Affairs, Overall Urban Development, Urban Employment and Poverty Alleviation, Government of Uttar Pradesh. Shri. Manoj Kumar Singh, Principal Secretary, Department of Urban Development, Government of Uttar Pradesh; Shri G. Pattanaik, Chairman, UP Jal Nigam; Shri A K Srivastava, Managing Director, U.P. Jal Nigam and Dr Nishith Rai, Director, RCUES Lucknow, during the Inaugural ceremony of the workshop.

Academic Activities

The workshop was chaired by Shri. Suresh Khanna, Hon'ble Minister Urban Development, Parliamentary Affairs, Overall Urban Development, Urban Employment and Poverty Alleviation, Government of Uttar Pradesh. Principal Secretary, Department of Urban Development, Government of Uttar Pradesh, Shri. Manoj Kumar Singh, IAS; Chairman, UP Jal Nigam, Shri G. Pattanaik; Secretary & Mission Director AMRUT, Department of Urban Development, Government of Uttar Pradesh, Shri G. S. Priyadarshi, IAS; Managing Director, U.P. Jal Nigam, Shri A K Srivastava; Director, RCUES Lucknow, Dr Nishith Rai; Additional Director, RCUES Lucknow, Er A K Gupta and other dignitaries were also present during the day long workshop.

The workshop provided a platform for the best minds and expertise around the country to collaborate and take forward the dream of putting Uttar Pradesh on the road to success. The Workshop saw an overwhelming presence of 150 Developers/ Companies/ Firms working across India. The workshop was coordinated by Dr. Alka Singh, Deputy Director, RCUES Lucknow.

PARTICIPANTS TO SCALE UP INNOVATIVE SOLUTIONS FOR URBAN SANITATION

Regional Centre for Urban and Environmental Studies, (RCUES) Lucknow in collaboration with National Institute of Urban Affairs (NIUA), New Delhi and Participatory Research in Asia (PRIA) is organized a Workshop on Partnership to Scale up Innovative Solutions for Urban Sanitation at Lucknow on 12 September 2018. The objectives of the workshop were: Showcasing scalable innovative solutions from across the state and country to address the challenges of inclusive urban sanitation services; To create a learning and knowledge platform by bringing together policymakers, researchers, experts, and practitioners on inclusive urban sanitation services in the state; Informing and influencing policies and institutions to enhance the impact of urban sanitation programmes in the state.

Around 167 participants attended the workshop. The participants included senior officials of Urban Local Bodies of Uttar Pradesh, policy makers, researchers, practitioners, parastatals, CSOs, academia, and communities. The programme was



Sri Manoj Kumar Singh, Principal Secretary, DoUD, GoUP on the Chair and Dr Nishith Rai, Director, RCUES Lucknow addressing the participants during the workshop

inaugurated by Shri Manoj Singh, Principal Secretary, Department of Urban Development, Govt of Uttar Pradesh. Dr Nishith Rai, Director, RCUES, Lucknow also graced the occasion. The programme was coordinated by Dr. Alka Singh, Deputy Director and Dr. Nasruddin, Assistant Director, RCUES, Lucknow.

STATE LEVEL WORKSHOP ON ENGENDERING BUDGETS AND GENDER INCLUSIVE URBAN DEVELOPMENT

Gender budgeting has been internationally recognized as a key tool for empowering women by

incorporating gender perspective and concerns at all levels and stages of development planning, policy, programmes and delivery mechanism. Government of India has adopted budgeting for gender equity as a mission statement and is widely disseminating tools and strategies across ministries and departments. The importance of gender budgeting has been stressed time and again in different forums. Gender Budgeting refers to a method of looking at the budget formulation process, budgetary policies and budget outlays from the gender lens. Gender Budget, with regard to the government at any level, does not refer to a separate budget for woman, rather it is an analytical tool which scrutinizes the government budget to reveal its gender-differentiated impact and advocate for greater priorities for program and schemes to address the gender-based disadvantages faced by women. In fact, gender budgeting, as an approach, is not confined to government budgets alone; it also includes analyzing various socio-economic policies from the gender perspective. Gender Budgeting is now recognize as a tool for empowering women. This gives a broad overview and underlines the importance of the gender budgeting initiatives in India, highlighting certain related issues that need to be addressed for making gender budgeting, an effective tool for women's empowerment in the Indian context. It explores the query - how effective has gender budgeting been as a tool for women empowerment in its present form. Keeping in view the importance of the above subject Regional Centre for Urban & Environmental Studies, Lucknow organized 3, three days State Level Workshop on Engendering Budgets and Gender Inclusive Urban Development on 29-31 January 2019, 07-09 February 2019 and 14-16 February 2019 in 3 States Bihar, Manipur and Madhya Pradesh.



Shri Git Kumar Singh , Former Director, MAHUD, MUDA and chief Town Planner, Government of Manipur (Middle) and Mrs. Narmada Devi, Chief Town Planner, and Mission Director, Housing For All, Dept. of Town Planning, Government of Manipur Third from left) felicitated by Faculty, RCUES Lucknow

KEY OBJECTIVES:

- To review the rationale of the gender budgeting as a tool for women's empowerment,
- 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 discuss the problems, constraints and difficulties in gender budgeting at different levels and the role of various stakeholders and key players in gender budgeting.
- To suggest strategies and the scope of gender budgeting in different sectors of economy, particularly in departments and ministries of Centre and state governments.

ABOUT THE SESSIONS:

Academic Activities

The workshop covered the theoretical and applied aspects of gender equality, gender budgeting and engendering urban development. The workshop sensitized the municipal officials on gender issues and women empowerment.

In view of the objectives of the workshop, programme schedule was prepared. The programme was divided into different technical sessions including engendering urban development, governance, theoretical, legal and policy perspective of women empowerment, gender budgeting, analysis of gender budgets, women centric policies, programmes, and schemes, planning for urban



Shri Pradeep S. Mishra, Divisional Executive Engineer, Urban Administration and Development Department, Government of Madhya Pradesh, Jabalpur Division addressing the participants



Shri Deepak Kumar Singh, Principal Secretary, and CEO, Bihar Skill Development Mission, Department of Labour Resources, Government of Bihar inaugurating the workshop along with faculty of RCUES Lucknow

infrastructure development and delivery of civic services etc.

PARTICIPANTS

240 participants including elected representatives and municipal officials of ULBs, parastatal agencies, officials of Department of Town Planning, Department of Social Welfare and Representatives of civil society organizations/ NGOs participated in the above three workshops.

COORDINATION:

The programme was coordinated by Dr. A. K. Singh, Assistant Director and Dr. Nasruddin,

Assistant Director, RCUES, Lucknow.

NEED ASSESSMENT REGIONAL SMART CITY WORKSHOP

According to Census 2011, Cities accommodate nearly 31% of India's current population and contribute 63% of GDP. Urban areas are expected to house 40% of India's population and contribute 75% of India's GDP by 2030. This requires comprehensive development of physical, institutional, social and economic infrastructure. All are important in improving the quality of life and attracting people and investment.

As some definitional frontiers are necessary to steer the Smart Cities Mission, urban planners have basically aimed at expanding the entire eco- system. This eco-system rests on the four pillars of comprehensive development: institutional, physical, social, and economic infrastructure.

However, more often than not, many such actors work in isolation missing out possible synergy in

approach, target, and results. Over the decades and more so in the recent years, plethora of innovations have been tried out by various actors. Nevertheless, innovations can be of limited use and even be wasted, if these cannot be scaled up and made accessible to a greater number of communities. Keeping this as background, a Regional Level Need Assessment Smart City Workshop: Transforming Cities through Co-Development in Uttar Pradesh was organised on 16 January 2019 in Lucknow by Regional Centre for Urban and Environmental Studies (RCUES) Lucknow in collaboration with Global Compact Network India (GCNI), New Delhi.

KEY OBJECTIVES

- To track the progress of 10 Smart Cities of UP
- To identify key issues & challenges being faced by the cities
- To review the City priorities, current needs and initiatives
- To discuss potential strategies and solutions for fast tracking the implementation
- To identify Potential Stakeholders and avenues for co-development that cities can identify

PROGRAMME & METHODOLOGY

The workshop was chaired by Shri Anurag Yadav, Secretary and Mission Director Smart Cities Department of Urban Development Government of Uttar Pradesh Director RCUES Lucknow, Dr Nishith Rai. Er A K Gupta, Additional Director, Dr Alka Singh, Deputy Director, Mr Somnath Singh, GCNI, Programme Officer and Mr Arya Dev, Legal Analyst were also present during the day long workshop.

Introductory session and objectives of the workshop were given by Dr Alka Singh, Deputy Director, RCUES Lucknow. She gave an overview of SMART cities including the approach & strategy of Smart Cities and features of Smart City. Dr Nishith Rai, Director RCUES Lucknow in his inaugural address emphasized on the fact that timelines are tight and the objectives of the mission are to be achieved. He highlighted that mission has not seen the kind of success aimed for and hence the



Panel Discussion chaired by Sri Anurag Yadav, Secretary & Mission Director (SBM), Govt. of Uttar Pradesh along with Dr Nishith Rai, Director RCUES Lucknow, Er A K Gupta, Additional Director, Dr Alka Singh, Deputy Director, RCUES Lucknow, Mr Somnath Singh, GCNI, Programme Officer and Mr Arya Dev, Legal Analyst in progress

Academic Activities

workshop will be able to highlight those issues in detail. Departmental gaps and conflicts are to be addressed.

Er A.K. Gupta, Additional Director, RCUES Lucknow shared his experiences of being associated with the Mission at multiple levels. He expressed delight about the fact that the workshop provided a common platform for the very first time for all the SPVs and PMCs to come together and discuss their issues. He said that Learning and sharing from other SMART cities was essential to make a better and effective work plan. He mainly focused on the essentials for developing SMART cities by way of developing Good Quality DPRs that are the founding stone of Smart cities projects. He reiterated that Area based Development should be carried out on priority basis.



Workshop in progress

Mr Somnath Singh, Programme Manager, GCNI discussed at length about the role Global Compact Network India (GCNI) was playing and how other SMART Cities can benefit from their learnings. The United Nations Global Compact Network India (GCNI) is playing a lead role in helping shape a collaborative and transparent framework for Smart Cities in India. Shri Anurag Yadav, Secretary and Mission Director Smart Cities Department of Urban Development Government of Uttar Pradesh expressed delight that such a workshop was organized through which a common platform for sharing and exchanging the progress, issues and challenges related to Smart Cities Mission. He stated that a major component of the smart was to be implemented through convergence and PPP but most smart cities of UP are still in the initial strategy of project planning and tendering. He was of the opinion that most SPV are facing roadblocks with regard to execution of the convergence projects hence prioritization of doable projects should be done. Secretary emphasized on the fact that the DPRs which are being framed are lacking proper Cost benefit analysis, BOQ, Drawing Design, and other technical aspects through which its benefits to citizens could be ensured.

PARTICIPANTS

The workshop was attended by 33 representatives of SPVs and PMCs of SMART City of 10 cities of Uttar Pradesh.

COORDINATION

The Regional Center for Urban and Environmental Studies, Lucknow in association with Global Compact Network India (GCNI), New Delhi organized the Regional Workshop.

WORKSHOP ON SOFT SKILLS AND PERSONALITY DEVELOPMENT FOR THE TEACHERS AND ADMINISTRATIVE STAFF OF VIHAAN RESIDENTIAL SCHOOL

It is often seen that children of construction workers stay at work place with their parents. Due to poverty and inadequacy of parents such children cannot enter a school or they cannot continue their education after taking admission. In the context of the trend of establishing quality residential schools for the promotion of education in all areas and habitations in the country, the Vihaan Residential Schools Scheme has been proposed while making the requisite requirement for introduction of residential school for such children of construction workers. The aim of the scheme is to provide quality education to the children of aged between 06 and 14 years of registered construction workers by providing primary, junior high school and secondary education facilities.

The schools in the Districts of Bhadohi, Firozabad, Bahraich, Ghaziabad, Agra and Meerut are funded by the Uttar Pradesh Building and Other construction workers Board, Government of Uttar Pradesh and are run by the Regional Centre for Urban & environmental Studies Lucknow since October 2018. In order to orient the staff members of the schools three, one day Workshop on Soft Skills and Personality Development for the Teachers and Administrative Staff of Vihaan Residential School was organized at RCUES Lucknow.

Teacher's soft skills are important. The attainment of these skills will make a difference in quality of teaching and effective learning. The quality of teaching is a crucial factor in promoting effective learning in schools. Since teaching is an additional complex process novice teachers need to have important soft skills. Because children and teens spend most of the day in classrooms, teachers can play a powerful role in limiting stress.

Furthermore, soft skills such as communicative, creative thinking, problem solving and team work really support them in providing effective strategies and techniques while dealing with the problems occurring during their teaching and learning process. Since soft skills are important

LIST OF CONDUCTED WORKSHOP ON SOFT SKILLS AND PERSONALITY DEVELOPMENT FOR THE TEACHERS AND ADMINISTRATIVE STAFF OF VIHAAN RESIDENTIAL SCHOOL

Dates	Number of Participants
14 February, 2019	23
15 February, 2019	23
16 February, 2019	22

prerequisite in shaping an individual's personality. In total 68 participants including wardens, teachers and accountants of the Vihaan Residential Schools benefitted from the workshops. The programme was coordinated by Ms. Rachna Rishi, Publication Officer, RCUES Lucknow.

TRAINING PROGRAMMES

ACTIVITIES UNDER ATAL MISSION FOR REJUVENATION AND URBAN TRANSFORMATION (AMRUT)

INTEGRATED ORIENTATION TRAINING PROGRAMME FOR ELECTED REPRESENTATIVES OF URBAN LOCAL BODIES OF UTTAR PRADESH UNDER ICBP

The capacity of nations to pursue their economic and social goals depends on their ability to govern their cities. In order to strengthen capacities of Elected Representatives the integrated capacity building programme covers all Missions viz. Atal Mission for Rejuvenation and Urban Transformation (AMRUT), Swachh Bharat Mission (SBM), National Urban Livelihood Mission (NULM), Housing for All (HFA), Pradhan Mantri Awas Yojana (PMAY), & HRIDAY. To enhance the functional knowledge, improve the skills and change the attitude of elected representatives. 52, two days Orientation Training Programmes for Elected Representatives of

LIST OF CONDUCTED INTEGRATED ORIENTATION TRAINING FOR ELECTED REPRESENTATIVES OF UTTAR PRADESH

Date	No. of Participants	Date	No. of Participants
04-05 May, 2018	9	02-03 November, 2018	3
10-11 May, 2018	5	29-30 November, 2018	9
29-30 May, 2018	10	10-11 January, 2019	11
19-20 June, 2018	21	16-17 January, 2019	12
26-27 June, 2018	11	18-19 January, 2019	15
29-30 June, 2018	8	21-22 January, 2019	20
10-11 July, 2018	13	23-24 January, 2019	22
12-13 July, 2018	15	28-29 January, 2019	22
17-18 July, 2018	10	30-31 January, 2019	19
20-21 July, 2018	11	01-02 February, 2019	31
24-25 July, 2018	11	04-05 February, 2019	15
30-31 July, 2018	18	06-07 February, 2019	35
13-14 August, 2018	15	11-12 February, 2019	22
17-18 August, 2018	18	13-14 February, 2019	9
23-24 August, 2018	11	15-16 February, 2019	16
30-31 August, 2018	8	18-19 February, 2019	26
11-12 September, 2018	11	18-19 February, 2019	23
18-19 September, 2018	10	22-23 February, 2019	16
25-26 September, 2018	11	25-26 February, 2019	23
28-29 September, 2018	7	27-28 February, 2019	28
05-06 October, 2018	5	01-02 March, 2019	20
08-09 October, 2018	5	05-06 March, 2019	20
15-16 October, 2018	2	07-08 March, 2019	22
23-24 October, 2018	20	11-12 March, 2019	20
26-27 October, 2018	10	13-14 March, 2019	21
29-30 October, 2018	8	15-16 March, 2019	23

ULBs of Uttar Pradesh was organized by RCUES, Lucknow.

KEY OBJECTIVES:

The main objectives of the programme were:

- To discuss AMRUT reforms for improving the institutional outcomes with focus on accountability, transparency, efficient service delivery, citizen empowerment and resource mobilization.
- To orient the elected representatives with objectives, components and expected outcomes of the various flagship schemes viz. AMRUT Mission, Swachh Bharat Mission, National Urban Livelihood Mission and Housing for All.
- To share good practices for enhancing the knowledge and replication of good models.

PARTICIPATION:

786 Elected Representatives including Chairman and Ward Members of ULBs of Uttar Pradesh were trained in 52 training programmes.

ABOUT THE SESSIONS:

Elected representatives were imparted orientation training in which each training Programmes were of two days duration, the pedagogy adopted for elected representatives was innovative and interactive which included class room sessions, site-visits and discussions with practitioners and experts to share and learn from good practices for enhancing the knowledge and replication of good models.

During the Orientation Training Programmes the elected representatives were made aware of decentralized governance system, emerging problems and challenges in urban governance due to rapid urbanization and functioning of urban governments. The session covered needs of basic urban infrastructure creation that has a direct link to provision of better services to people like water supply, sewerage, drainage, urban transport and green spaces/parks with specific focus on the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) emphasis on mission coverage, components, programme management structure, fund allocation, execution, appraisal,



Training session in progress

Academic Activities

implementation, monitoring process and reforms under AMRUT.

Convergence of different mission at the ULB level is essential and the elected representatives play very important role in the convergence. This training familiarize the participants with the concept, approaches, rational of convergence, steps, stages, task, activities and opportunities for achieving convergence with the central and state government schemes.

Sanitation agenda has been at the forefront of development in India. Swachh Bharat Mission

was discussed during the training programme with emphasis on access to safe and sustainable sanitation for all, Elimination of open defecation, Eradication of Manual Scavenging, Modern and Scientific Municipal Solid Waste Management. Behavioral change regarding healthy sanitation practices and awareness about sanitation and its linkage with public health was also discussed. The Elected representatives were able to understand the need to create an enabling environment for private sector and community participation for achieving the Swachh Bharat Mission goals.

The Housing for All Mission for urban areas was also discussed. The training focused on identification of actual beneficiaries for providing houses to all eligible families under the Mission. During the session the elected representatives were very curious to know the Eligibility criteria, components and other implementation related details of the scheme, which were discussed in details.



Participants during the exposure visit to Model Park in Lucknow



Participants during a field visit to a Park & Decentralized waste water treatment plant in Lucknow

Reforms in urban sector are an important aspect which was discussed during the training. Rationale, importance and need of urban reforms were discussed. The process and status of urban reforms implementation through board and role of elected representatives was discussed. Skill up-gradation for better livelihoods opportunities in urban areas is essential for overall sustainable development in cities. The urban poor in general lacks the required skills for harnessing the income generating opportunities available locally. In view of this the orientation training programme also focused on the National Urban Livelihoods Mission which is committed to providing livelihoods to the urban poor through a combination of skill enhancement, self-employment, social security and institutional development. The discussions which the elected representatives focused on providing livelihoods to the urban poor, shelter and basic facilities for the homeless, designated street vending zones and vendor's markets, credit facilities and social security convergence for street vendors and urban poor. The mission coverage, components, sub components programme management structure, fund allocation, Implementation Strategy, execution and monitoring process under DAY-NULM were discussed.

SITE VISITS:

Site visits to best practices with exposure to live ongoing projects is an integral part of the orientation training programmes for elected representatives. With the objective of sharing and learning from good practices for enhancing the knowledge and replication of good models the elected representatives were taken for exposure visits to decentralized solid and liquid waste treatment models. The elected representatives had elaborate discussion with the practitioner. The Model House Park project of Lucknow was initiated by active participation of the citizens and ward member. This visit was a peer learning among the elected representatives which was very fruitful. The participants were also taken to a Bio Gas Digester Plant which is an innovative model of the state government for generating gas through treatment of animal shelter waste along with liquid waste at Kanha Upvan, Lucknow.

COORDINATION:

The training programmes were jointly coordinated by Dr. Anjuli Mishra, Joint Director, Dr. Nasruddin, Mr. Himanshu Chandra, Assistant Director, RCUES, Lucknow.

INTEGRATED ORIENTATION TRAINING PROGRAMME FOR MUNICIPAL OFFICIALS UNDER ICBP

In order to strengthen capacities of Urban Local Bodies, States and other stakeholders, the Ministry of Housing and Urban Affairs (MoHUA), GoI had implemented the Individual Capacity Building for AMRUT & Smart City Mission (SCM). Now MoHUA has introduced Integrated Capacity Building covering all other Mission viz. Swachh Bharat Mission (SBM), National Urban Livelihood Mission (NULM), Housing for All (HFA), Pradhan Mantri Awas Yojna (PMAY), & HRIDAY. The earlier Individual Capacity Building Programme and operational guidelines issued for the same are now subsumed under this integrated programme. In furtherance to the new guidelines by the Ministry, RCUES Lucknow organized 26, three day Integrated Orientation Training Programme on AMRUT for the officials of Uttar Pradesh. The main aim of the training programmes were to sensitize and orient the participants of various flagship missions and identify the key areas for capacity building through Training Needs Assessment. The major objectives included: strengthening knowledge for implementing projects with convergence of existing schemes and missions, exposure to effective, sustainable and smart solutions for achieving service level benchmarks in the thrust areas. Overall 326 participants attended the training programme. The programmes were coordinated by Dr Alka Singh, Deputy Director; Dr A K Singh, Dr Nasruddin, Mr Ajit Mishra and Mr Himanshu Chandra, Assistant Directors, RCUES Lucknow.



Trainings sessions in progress

LIST OF CONDUCTED INTEGRATED ORIENTATION TRAINING PROGRAMME UNDER AMRUT

Date	No. of Participants
03-05 April, 2018	9
09-11 April, 2018	11
23-25 April, 2018	7
03-05 May, 2018	8
07-09 May, 2018	13
14-16 May, 2018	11
17-19 May, 2018	14
21-23 May, 2018	18
24-26 May, 2018	18
28-30 May, 2018	14
31 May-02 June, 2018	18
04-06 June, 2018	15
11-13 June, 2018	12
18-20 June, 2018	12
21-23 June, 2018	7
25-27 June, 2018	6
09-11 July, 2018	17
16-18 July, 2018	7
23-25 July, 2018	27
30 July-01 August, 2018	12
02-04 August, 2018	21
06-08 August, 2018	13
16-18 August, 2018	13
27-29 August, 2018	8
30 August-01 Sep, 2018	9
13-15 Sept, 2018	6

TRAINING PROGRAMMES FOR ULB OFFICIALS ON ADMINISTRATIVE EFFICIENCY & REFORMS

The Centre organized three, 3-days training programme on Administrative Efficiency & Reforms– Capsule III of AMRUT for Municipal Functionaries of Uttar Pradesh.

The aim of the programme was: to highlight good urban governance, principles and tools of good governance; to provide legal and policy perspective on community participation, public disclosure, right to information, citizen charter, social audit and participatory budgeting etc.; to discuss the perspective of e- governance; to highlight the rationale, components and imperatives of urban reforms under AMRUT; to discuss the process and status of urban reforms; to highlight the expected outcomes and challenges of urban reforms.

LIST OF CONDUCTED TRAINING PROGRAMME ON ADMINISTRATIVE EFFICIENCY & REFORMS UNDER AMRUT

Date	No. of Participants
23-25 April, 2018	20
14-16 May, 2018	17
02-04 August, 2018	26



Training Session in progress

Overall 63 participants attended the training programme. The programme was coordinated by Dr. Anjali Mishra, Joint Director, Dr. A.K. Singh and Dr Nasruddin, Assistant Director, RCUES, Lucknow.

TRAINING PROGRAMME ON OFFICE MANAGEMENT, ADMINISTRATIVE EFFICIENCY & E-GOVERNANCE UNDER AMRUT

The ultimate objective of all Government machinery is to meet the citizens' needs and to further their development and welfare, without undue delay. At the same time, those who are accountable for fair conduct of duties and responsibilities should ensure that public offices are managed with utmost care and prudence. Information and communication technology brought in a big revolution in the speed and the ease with which communications can be made. Legislations like RTI Act have brought in new and



Training Session in progress

additional responsibilities. Departmental activities have expanded in size and scope. Ensuring efficient, responsive, accountable and transparent governance improves service delivery. This requires the effective implementation of policies, laws and programmes. Strong monitoring mechanisms, active citizen participation, convergence of Government institutions and programmes and capacity building of service delivery personnel can help the delivery of services. Administrative Efficiency is the extent to which institutions demonstrate the use of best management practices. The management practices included should serve as a guide to ULBs in assessing their management strategies that are employed to ensure that they are operating efficiently and effectively. Computerization and introduction of ICT in Governance is important to maintain administrative efficiency. E-Governance is in essence, the application of Information and Communications Technology to government functioning in order to create 'Simple, Moral, Accountable, Responsive and Transparent' (SMART) governance.

Regional Centre for Urban and Environmental Studies, Lucknow organised 7, three days Training Programme on Office Management, Administrative Efficiency and E- Governance Cap. III under AMRUT at RCUES Lucknow.

KEY OBJECTIVES:

- To orient the municipal staff on the modern office management, office procedures, record keeping, code of conduct and disciplinary actions;
- To orient the municipal staff on preparation of MIS, e-nagarsewa, application of IT for enhancing service delivery, G-eM and e-tendering and e-governance;
- To orient the municipal staff on basic s of

LIST OF CONDUCTED TRAINING PROGRAMME ON OFFICE MANAGEMENT, ADMINISTRATIVE EFFICIENCY & E-GOVERNANCE UNDER AMRUT

Date	No. of Participants
21-23 May, 2018	20
28-30 June, 2018	16
10-12 December, 2018	14
13-15 December, 2018	23
09-11 January, 2019	10
21-23 January, 2019	19
28 February-02 March, 2019	19

municipal accounting, preparation of trial balance, vouchers and application theory.

ABOUT THE SESSIONS:

The course contents included Enhancing Administrative Efficiency in ULBs; Strategy and Action Plan for Implementation of Reforms; Modern Office Management; Modern Office Management ; Preparation of MIS for Effective Monitoring of Projects ; Use of Software and Computer Applications for Enhancing Administrative Efficiency in ULBs; Sources of Revenue in ULBs and Strategies for Revenue Enhancement; Improving Municipal Services Delivery through e-governance; Application of IT for Enhancing Service Delivery in ULBs; Project Management System under AMRUT: E-nagarsewa, & Online updation of data; Office Procedures; Code of Conduct & Disciplinary Rules; Record Keeping & Management.

PARTICIPATION:

121 participants including clerks, Computer Operators and Office Assistants of ULBs from AMRUT cities of Uttar Pradesh attended the training programmes.

COORDINATION:

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

TRAINING PROGRAMME ON MUNICIPAL RESOURCE MOBILIZATION, FINANCIAL PLANNING & MANAGEMENT UNDER AMRUT

Urban local governments are entrusted with a set of responsibilities of providing basic urban amenities and services to the people. They are dependent on states and centre for grant in aid and loans as their own resources are inadequate. There is a mismatch between functions and municipal resources. The efforts for additional resource mobilization to fulfil the commitments by the ULBs are not adequate due to various factors. The ULBs are becoming dependent on transfers and fiscal devolution from central and state governments to meet out their financial requirements. Central Government has launched Missions and schemes for infrastructure development in selected cities and towns with massive financial investment. These schemes envisage strengthening of urban local bodies through introducing reforms and stepping up concrete efforts for additional resource mobilization. Thus, it is necessary to reduce dependence of local bodies on government support. They should effectively exploit the revenue potential through rationalization of assessment norms, simplification of procedures;



Certificate distribution ceremony

Academic Activities

rebate on timely payment, revision of old levies and taxes etc. Municipal governments may be allowed to enjoy fiscal autonomy with freedom of choice in regard to imposing new taxes and revising tax rates. It is argued that municipal bodies are not financially strong enough to tap capital market for undertaking infrastructure works which involve huge capital investment, long gestation period. But the provision of marketing borrowing will certainly motivate the municipal bodies to revamp their financial strength to mobilize resources from market. There is also need to encourage private sector involvement in the development, strengthening and creator of urban infrastructure. Regional Centre for Urban and Environmental Studies, Lucknow organised 3, three days Training Programme on Training Programme on Resource Mobilisation, Financial Planning and Management under Capsule II under AMRUT at RCUES, Lucknow.

KEY OBJECTIVES :

- To orient the participants on municipal resource mobilization, financial planning and management
- To orient the participants on project management, applications of I.T for enhancing delivery of services & revenue collection.
- To orient the participants on principles of Budgeting expenditure and asset management.

ABOUT THE SESSIONS:

The course contents included Financial Options



Participants during the training sessions

and Planning for Urban Development; Municipal Budgeting; Expenditure Management; Assets and Liability Management in Urban Local Bodies; Assessing Capital Markets for Mobilizing Resources; Credit Rating and Municipal Bonds; Municipal Finances and Need for Resource Mobilization ; Role and Recommendations of CFC and SFC; Municipal Resource Mobilization Through Tax and Non Tax Revenue ; Municipal Resource Mobilization

LIST OF CONDUCTED TRAINING PROGRAMME ON MUNICIPAL RESOURCE MOBILIZATION, FINANCIAL PLANNING & MANAGEMENT UNDER AMRUT

Date	No. of Participants
27-29 December, 2018	21
02-04 January, 2019	11
11-13 February, 2019	10

Through Land Monetization ;Financial Convergence of Urban Development Schemes for Optimal Resources; Property Tax Assessment; Role of GIS in Property Tax Administration; GeM and E – Tendering; Preparation of MIS and IT Enabled Applications in ULBs; Public Private Partnership for Strengthening Municipal Resources; PPP Models and Cases for Urban Infrastructure Development and Services; Legal Compliances in Urban Local Bodies In the programme

PARTICIPATION:

42 participants mainly Tax Collectors\ from ULBs of Uttar Pradesh were trained.

COORDINATION:

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

TRAINING PROGRAMME ON OFFICE MANAGEMENT, COMPUTER & SOFT SKILLS UNDER AMRUT

Office Management is an essential feature to any department irrespective of its size & nature as well as area of operation. Office Management, covers all the necessary office management procedures and activities required to improve officers' skills in the subject area. Office management is the technique of planning, organizing, coordinating and controlling office activities with a view to achieve business objectives and is concerned with efficient and effective performance of the office work. The success of a business depends upon the efficiency of its office. Efficiency and effectiveness which are key words in management are achieved only through proper planning and control of activities, reduction of office costs and coordination of all activities of business.

The Office Management training provides learning on how to efficiently and effectively manage an office and covers a range of subject areas e.g. personnel management, office layout, developing procedures and processes, ethical behavior etc. Similarly, Soft skills are important as they intertwine with the office management. In today's scenario when ULBs are expected to deliver 24x7 and stay in tandem with the changing world around, it is important for the human resource to be equipped with soft skills to deal with variety of situations on their work front. Along with the necessary soft skills and knowledge regarding the office procedures competency in Computer Applications is a must in today's digital world.

In this context, Regional Centre for Urban and Environmental Studies, Lucknow organized three, 3- days on Office Management, Computers and Soft Skills under Capsule II of AMRUT for Municipal Functionaries of Uttar Pradesh at RCUES, Lucknow.

KEY OBJECTIVE:



Participants during the training sessions

Academic Activities

The main objective of the training programme was:

- To bring about a personality development with regard to the different behavioral dimensions that have far-reaching significance in the direction of organizational effectiveness.

- To describe the salient features of the office procedures.

- To describe the items involved in general discipline in office administration.

- To acquaint the participants with the procedure of record maintenance.

- To list out the types of communications commonly used in offices.

- To introduce the participants to the basics of Computer and its use.

LIST OF CONDUCTED TRAINING PROGRAMME ON OFFICE MANAGEMENT, COMPUTER & SOFT SKILLS UNDER AMRUT

Date	No. of Participants
03-05 April, 2018	12
26-28 April, 2018	8
17-19 May, 2018	12

ABOUT THE SESSIONS:

The workshop opened with a quick set of introductions of the participants and the faculty members. A brief introduction about RCUES Lucknow and its activities in urban capacity building was also shared, followed by an introduction to the Individual Capacity Building Programme under AMRUT. The main aim of the session was to bring out the key elements of leadership and attitudinal change required for the mission. The pedagogy included the following – thematic lectures, case study presentations, participant discussion sessions, group exercises, role-playing and peer evaluation. Participants, in groups, worked on specific exercises developed for this course. In addition to these sessions, participants were given knowledge checks (written quiz) at the beginning of the course to test their understanding of office procedures.

The session on leadership worked on bringing out in an experiential way that leadership is there in each one of us. In areas where they feel they have lost their leadership, where to look for to find the key to leadership. The session also distinguished how each one's relatedness to their city altered the way how they interacted and took responsibility for their city.

Along with soft skills and Office Management training the training aimed at enhancing the knowledge of computer fundamentals and its uses; the participants were acquainted with the various parts of the computer software and hardware.

PARTICIPATION:

Participants in the course were Clerks, Office Assistants of Urban Local Bodies (ULBs) in Uttar Pradesh. In total 32 participants were trained in the programmes.

COORDINATION:

The programme was jointly coordinated by Mrs. Rachna Rishi, Publication Officer and Mr. Ajay Kumar Pandey, Computer Expert.

TRAINING PROGRAMME ON MANAGEMENT OF SOLID WASTE, SEWERAGE, SEPTAGE & DRAINAGE IN ULBS UNDER AMRUT

India is urbanizing and urban population will reach 600 million by 2031. This is not simply a shift of demographics, it requires places cities and towns to play critical role in the structural transformation and insuring high quality public services in all towns for economic sustainability. City will have to become the engine of national development. Challenges of managing urbanization will have to be addressed through a combination of increased investment, strengthening the framework for governance and financing. MoHUA recognizes that the end objectives and corresponding benefits of SBM cannot be achieved without proper management of faecal sludge and septage across the sanitation service chain. Further, it is well understood that sewerage coverage will not meet the complete sanitation needs in all areas, and a strategy which is a combination of OSS and off-site (decentralized and centralised) must co-exist in all cities and must be given equal attention. Comprehensive capacity building programme at all levels of government is required.

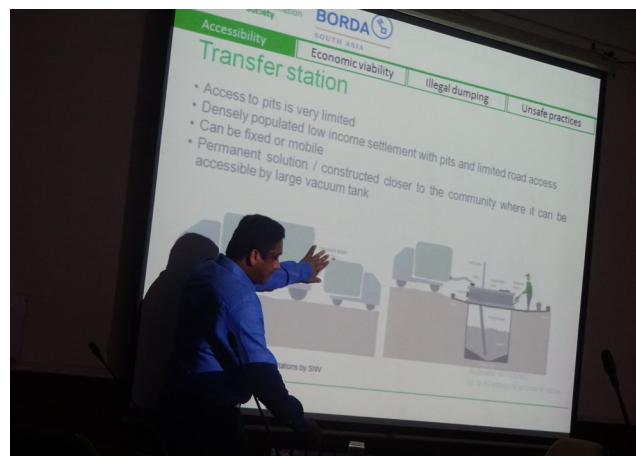
Sanitation in India is a state subject. Urban Local Bodies are responsible for sanitation at the local level. ULBs are mandated to undertake planning, design, implementation, operation and maintenance of water supply and sanitation services in cities and towns. Due to low level of sanitary coverage and high dependency on conventional septic tanks, the sanitary workers are found engaged in cleaning and scavenging of toilets. Moreover, sanitary workers do not get adequate instruments, equipment's and materials for cleaning of community toilets and regular sweeping of roads and streets. Even, sanitary workers are not well aware about the Municipal Solid Waste Management Rules. Against this backdrop, Regional Centre for Urban and Environmental Studies, Lucknow organized four three days on Training Programme on Management of Solid Waste, Sewerage, Septage and Drainage in ULBs Capsule II under AMRUT at RCUES, Lucknow.

KEY OBJECTIVES:

- To orient the municipal sanitary staff, municipal wastes management, hazardous wastes, technological innovations in wastes management and Solid Waste Management Rules;
- To focus on Water management and status of sewage generation and treatment in India, Fundamentals of wastewater treatment,
- To strengthen the capacities of municipal functionaries on effective septage management to mainstream it in citywide sanitation.
- To orient the municipal sanitary staff on issues and dimensions of sewerage , drainage and waste water recycling and re-use;
- To orient the municipal sanitary staff on planning , issues and aspects of septage and faecal sludge management;
- To review of the existing treatment practices, Decentralized approaches in treating sewage, New and emerging on site technologies in domestic wastewater treatment, Water efficient sanitation practices, Economics of decentralized wastewater treatment systems, Planning, designing, implementation and



Session in Progress



monitoring of localized treatment systems.

ABOUT THE SESSIONS:

The course contents included Technological Innovations in Sustainable Waste Management; Management of Hazardous Waste : Issues and Challenges; Approaches and Strategies for Plastic Waste Management; Swachh Survekshan 2019- Strategies; Regional Solid Waste Management; Solid Waste Management: State Policy and Rules,2016; Guidelines for Septage Management: State Perspective; Decentralized Waste Management : Ambikapur Model; Swachh Bharat Mission and Strategies for ODF+ and ODF++; Planning for Sewerage Projects; Planning for Storm Water Drainage Projects; Recycling and Reuse of Waste Water; Overview of Sanitation, Wastewater Treatment & Faecal Sludge Management; Technology Options for Faecal Sludge Management; Case Study of Devanahalli and Leh ; Planning for Faecal Sludge Management; Financing Options and Operation and Maintenance of FSTP .

PARTICIPATION:

76 participants comprising of Sanitary and Food Inspectors and Sanitary Supervisors from ULBs of Uttar Pradesh were trained in five training programmes conducted on this subject.

COORDINATION:

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

LIST OF CONDUCTED TRAINING PROGRAMME ON MANAGEMENT OF SOLID WASTE, SEWERAGE, SEPTAGE & DRAINAGE IN ULBS UNDER AMRUT	
Dates	Number of Participants
12-14 November, 2018	8
15-17 November, 2018	21
26-28 November, 2018	21
03-05 December, 2018	12
04-06 February, 2019	14

TRAINING PROGRAMME ON WATER SUPPLY, SEWERAGE, SEPTAGE & DRAINAGE IN ULBS UNDER AMRUT

Urban water supply and sanitation are important basic needs for the improvement of the quality of life

and enhancement of productive efficiency of the people. Drainage and sewerage system in urban areas is an important priority in Indian setting because of rapid urbanization, industrialization, and population growth, along with increase in slum population and migration. Urban sanitation in India faces many challenges. A large chunk of population in urban areas lack access to improved sanitation arrangements, and more than two-thirds of wastewater is let out untreated into the environment, polluting land and water bodies. To address these environmental and public health challenges, urban India will need to address the full cycle of sanitation, i.e. universal access to toilets, with safe collection, conveyance and treatment of human excreta. These concerns, and highlights the need for focusing on access to water and the full cycle of sanitation for the urban dwellers, as fundamental to addressing the sanitation challenge. In this context, the Regional Center for Urban and Environmental Studies organized two, three-day training programme on Water Supply, Sewerage, Septage & Drainage in Urban Local Bodies of Uttar Pradesh under AMRUT.

KEY OBJECTIVES:

The key objectives of the programme were:

- To discuss issues in implementation of urban infrastructure projects;
- To highlight service level benchmarking in water supply, sewerage and drainage and also to discuss current service levels in AMRUT Cities;
- To discuss the need and scope of FSSM in ULBs and also discuss state policy and guideline of septage management of Uttar Pradesh;
- To highlight the need of water and energy audit in ULBs;



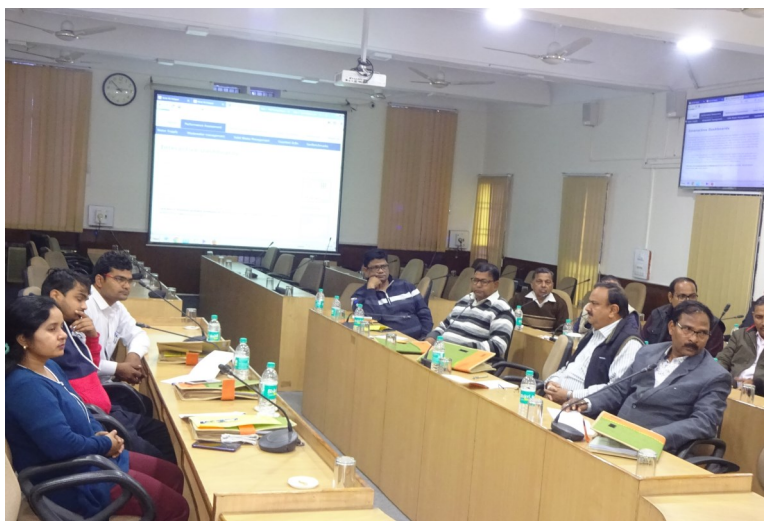
Training session in progress

Academic Activities

- To acquaint the participants regarding planning and designing aspects of water supply and sewerage projects;
- To acquaint the participants regarding management of storm water drainage and recycling as well as reuse of waste water..

ABOUT THE SESSIONS:

The programme focused on water supply, sewerage, septage and drainage issues in implementation of urban infrastructure projects; service level benchmarks in water supply and current service levels in AMRUT cities; service level benchmarks in sewerage & drainage and current service levels in AMRUT cities; performance improvement



Training session in progress

planning for water supply and sewerage; need for fecal sludge and septage management & state perceptive its planning; fecal sludge management guidelines & state perceptive; water audit & strategies for conservation of water; energy audit and energy efficiency in WTP & STP; design considerations of water supply system & water treatment plant; design aspects of sewerage network, sewage pumping station & sewage treatment plant; operation and maintenance of water supply and sewerage systems; management of storm water drainage; recycle and reuse of waste water; SCADA and smart metering in water supply systems; and best practices in septage treatment and site visit

LIST OF CONDUCTED TRAINING PROGRAMME ON WATER SUPPLY, SEWERAGE, SEPTAGE & DRAINAGE IN ULBS UNDER AMRUT

Dates	Number of Participants
11-13 April, 2018	10
21-23 February, 2019	15

PARTICIPATION:

Overall 25 participants including Assistant Engineers, Junior Engineers and Executive Engineers of ULBs from AMRUT cities of Uttar Pradesh were trained in the programme.

COORDINATION:

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

TRAINING PROGRAMME ON OFFICE MANAGEMENT, COMPUTER SKILLS & ACCOUNTING UNDER AMRUT

Office Management is an essential feature to any department irrespective of its size & nature as well as area of operation. The success of an organisation depends upon the efficiency of its office. The volume of paper work in ULBs has increased manifold. Efficiency and effectiveness which are key words in

management are achieved only through proper planning and control of activities, reduction of office costs and coordination of all activities of the local body.

Similarly, computerization in ULBs is sine quo non for promoting e-Governance and improving service delivery. Although, computerization is not an ‘end’ in itself but it is a ‘tool’ to attain the goal of improved service delivery in public domain. The use of computers and Information and Communication Technology (ICT) tools must be structured with an objective of making government services accessible to the common man by ensuring efficiency, transparency and reliability of such services. IT infrastructure and back-end computerization not only helps in automation but also leads to creation of efficient information systems. It facilitates faster electronic communications and processing, thereby reducing the paper work and transaction delays. Front-end computerization provides an ICT platform for government to citizen (G2C) service delivery. Therefore, capacity building of ULB staff is critical for providing an enabling IT environment to attain the objective of efficient public service delivery. As computer technology has advanced, the range of associated ICT vulnerabilities and threats have emerged as imminent challenge. Capacity building in Government organizations, in areas of ICT vulnerabilities, is necessary to meet the emerging challenges of the modern times. Training helps in capacity and skill building of human resources and enables employees to achieve the organizational goals. The competence, skills and attitude of the Government employees have a great bearing on the quality of their output. Increased knowledge and skill set makes employees more productive in their workplace and thus enhance value in the organization in terms of efficiency.

LIST OF CONDUCTED TRAINING PROGRAMME ON OFFICE MANAGEMENT, COMPUTER SKILLS & ACCOUNTING UNDER AMRUT

Dates	Number of Participants
10-12 September, 2018	12
24-26 September, 2018	19
27-29 September, 2018	7
04-06 October, 2018	22
08-10 October, 2018	14
29-31 October, 2018	9
27-29 December, 2018	15
31 January-02 February, 2019	11



Training session in progress

Academic Activities

Local bodies play an important part in enabling infrastructure availability to the citizens. While the physical planning and development measures will address the issue of spending the funds available judiciously, an appropriate accounting system for recording the transactions, including the establishment of a proper system for asset and liabilities accounting and revenue recognition are necessary. Accounting reforms and change to an accrual accounting system is a vital ingredient in this process. The accounting reform is intended to provide financial information to various users such as, citizens, elected representatives, administrators, investors, creditors, executives, legislatures, State Audit Departments, and State Urban Development in a timely and organised manner. Regional Centre for Urban and Environmental Studies, Lucknow organised 8, three days Training Programme on Office Management, Computer Skills and Accounting Capsule II under AMRUT at RCUES, Lucknow.

KEY OBJECTIVES:

- To orient the municipal staff on the modern office management, office procedures, record keeping, code of conduct and disciplinary actions;
- To orient the municipal staff on preparation of MIS, e-nagarsewa, application of IT for enhancing service delivery, G-eM and e-tendering ;
- To orient the municipal staff on basics of municipal accounting, preparation of trial balance, vouchers and application theory.

ABOUT THE SESSIONS:

The course contents included Office Procedures and Administration; Preparation and Maintenance of Service; Records Keeping and Management; Management of Service Matters and Disciplinary Procedures; Legal Compliance and RTI; Database Management System (DBMS), M. S. Suite and Multimedia; e-Nagarsewa; Government e Marketplace (GeM) & e-Tendering Procedure; Role of IT and MIS in Urban Local Governments; Use of Excel and Hands on Training; MS Word- Fundamentals and Hands on Training; Preparation of Trial Balance and Financial Statements; Basics of Municipal Accounting; Accounting Good Practices, Procedures and Standards; Application Theory: Preparation of

Vouchers and Postings in Books; Double Entry Accounting ; Training on DEAS and Exposure to Accounting Software etc.

PARTICIPATION:

109 participants consisting of clerks, computer operators and office assistants of ULBs of Uttar Pradesh were trained in eight programmes conducted on the above subject.

COORDINATION:

The programme was coordinated by Dr Anjuli, Joint Director; Dr. A. K. Singh, Assistant Director



Training session in progress

and Mr. Himanshu Chandra , Assistant Director, RCUES, Lucknow

TRAINING PROGRAMME ON OFFICE MANAGEMENT, ADMINISTRATIVE EFFICIENCY AND E- GOVERNANCE UNDER AMRUT

The ultimate objective of all Government machinery is to meet the citizens' needs and to further their development and welfare, without undue delay. At the same time, those who are accountable for fair conduct of duties and responsibilities should ensure that public offices are managed with utmost care and prudence. Information and communication technology brought in a big revolution in the speed and the ease with which communications can be made. Legislations like RTI Act have brought in new and additional responsibilities. Departmental activities have expanded in size and scope. Ensuring efficient, responsive, accountable and transparent governance improves service delivery. This requires the effective implementation of policies, laws and programmes. Strong monitoring mechanisms, active citizen participation, convergence of Government institutions and programmes and capacity building of service delivery personnel can help the delivery of services. Administrative Efficiency is the extent to which institutions demonstrate the use of best management practices. The management practices included should serve as a guide to ULBs in assessing their management strategies that are employed to ensure that they are operating efficiently and effectively. Computerization and introduction of ICT in Governance is important to maintain administrative efficiency. E-Governance is in essence, the application of Information and Communications Technology to government functioning in order to create 'Simple, Moral, Accountable, Responsive and Transparent' (SMART) governance.

LIST OF CONDUCTED TRAINING PROGRAMME ON OFFICE MANAGEMENT, ADMINISTRATIVE EFFICIENCY AND E- GOVERNANCE UNDER AMRUT

Dates	Number of Participants
21-23 May, 2018	20
28-30 June, 2018	16
10-12 December, 2018	14
13-15 December, 2018	23
09-11 January, 2019	10
21-23 January, 2019	19
28 February-02 March, 2019	19

Regional Centre for Urban and Environmental Studies, Lucknow organised 7, three days Training Programme on Office Management Administrative Efficiency and E-Governance Cap. III under AMRUT at RCUES Lucknow.

KEY OBJECTIVES:

- To train the municipal staff on the modern office management, office procedures, record keeping, code of conduct and disciplinary actions;
- To provide hands on training to the municipal staff on preparation of MIS, e-nagarsewa, application of IT for enhancing service delivery, G-eM and e-tendering and e-governance;



Inaugural Session in progress

Academic Activities

- To enhance the working knowledge of the municipal staff on basics of municipal accounting, preparation of trial balance, vouchers and application theory.

ABOUT THE SESSIONS:

The course contents included Enhancing Administrative Efficiency in ULBs; Strategy and Action Plan for Implementation of Reforms; Modern Office Management; Modern Office Management; Preparation of MIS for Effective Monitoring of Projects; Use of Software and Computer Applications for Enhancing Administrative Efficiency in ULBs; Sources of Revenue in ULBs and Strategies for Revenue Enhancement; Improving Municipal Services Delivery through e- governance ; Application of IT for Enhancing Service Delivery in ULBs; Project Management System under AMRUT: E-nagarsewa, & Online updation of data; Office Procedures; Code of Conduct & Disciplinary Rules; Record Keeping & Management.

PARTICIPATION:

121 participants including clerks, Computer Operators and Office Assistants of ULBs from AMRUT cities of Uttar Pradesh were trained in above training programme.

COORDINATION:

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

TRAINING PROGRAMME ON PUBLIC PRIVATE PARTNERSHIP, OFFICE MANAGEMENT & COMPUTER SKILLS UNDER AMRUT

The Centre organized a 3-days training programme on Public Private Partnership, Office Management & Computer Skills– Capsule III from 26-28 July 2018. The main objective of the training was to outline the main features of Public-Private Partnerships (PPPs) and highlights the differences between PPP and traditional procurement of public infrastructure. The key benefits, but also the risks and limitations, of the PPP procurement mechanism are presented. The training also focused to build capabilities in discharging day-to-day functions by imparting required knowledge & skills in rules/procedures of dealing correspondence, registering the currents received, processing, drafting, fair copying, dispatching, disposals and record maintenance etc. The other objective was to enhance the knowledge of computer fundamentals and its uses; the participants were acquainted with the various parts of the computer software and hardware. Overall 19 participants attended the training programme. The programme was jointly coordinated by Dr. Anjali Mishra, Joint Director and Dr. A.K. Singh, Assistant Director, RCUES, Lucknow.



Session in progress

TRAINING PROGRAMME ON SOLID WASTE MANAGEMENT & PUBLIC PRIVATE PARTNERSHIP UNDER AMRUT

Regional Centre for Urban and Environmental Studies, Lucknow organised two three days Training Programmes on Solid Waste Management and Public Private Partnership under AMRUT at Lucknow. The Training Programmes were an attempt to acquaint participants with knowledge, skill and attitudinal advantages in order to foster practical understanding on Solid Waste Management and Public Private Partnership. Apart from explaining the conceptual understanding on the topic, there is focus on experiential learning through case studies from across the India. Participants could understand various aspects of selected case studies in Solid Waste Management and Public Private Partnership; identify the bottle necks and existing limitations in PPP in Urban Context. Overall 42 municipal officials from AMRUT towns of Uttar Pradesh participated in the programmes. The programmes were jointly coordinated by Dr. Anjali Mishra, Joint Director and Dr. A.K. Singh, Assistant Director, RCUES, Lucknow.

TRAINING PROGRAMME ON PUBLIC PRIVATE PARTNERSHIP, TENDERING, CONTRACT & PROJECT MANAGEMENT UNDER AMRUT

Provision of high quality infrastructure and service delivery in cities and urban areas is critical for realizing and sustaining their productivity.

Public Private Partnerships (PPP) is a potential strategy to promote urban infrastructure investments, improve efficiency in service delivery and promote inclusive growth. Development of urban infrastructure through PPP is emerging as a key priority for the Government of India, State Governments and Urban Local Bodies (ULBs).

The Urban Missions and other centrally sponsored schemes (Smart City program, AMRUT, Swachh Bharat Housing for All) led by the Ministry of Housing and Urban Affairs, Government of India, provide the framework and incentives for states and urban local governments to promote PPP. However, structuring and implementing PPP projects that are both viable and affordable in critical sectors such as urban water and sanitation, urban transportation, solid waste management etc., remains a challenge. Capacity and knowledge gaps in developing PPPs is a major constraint.

In this context, the Regional Center for Urban and Environmental Studies organized two three-day training programme on Public Private Partnership, Tendering, Contract & Project Management under AMRUT.

LIST OF CONDUCTED TRAINING PROGRAMME ON SOLID WASTE MANAGEMENT & PUBLIC PRIVATE PARTNERSHIP UNDER AMRUT

Dates	Number of Participants
24-26 May, 2018	25
04-06 June, 2018	17

LIST OF CONDUCTED TRAINING PROGRAMME ON PUBLIC PRIVATE PARTNERSHIP, TENDERING, CONTRACT & PROJECT MANAGEMENT UNDER AMRUT

Dates	Number of Participants
11-13 March, 2019	22
14-16 March, 2019	24

KEY OBJECTIVE:

Academic Activities

The key objectives of the programme were:

- To acquaint the participants with need and importance of Public private partnerships (PPP) in urban infrastructure Projects in Urban Local Bodies.
- To orient the municipal staff on relevant PPP models for urban sector, Project development process, financial analysis, Project documentation, Bid procurement process, Development and management of



Training session in progress

concession agreement, Pro-poor strategies in PPPs Communication and consultation strategies for PPP and Good Practices and lessons from failures.

ABOUT THE SESSIONS:

The programme was designed keeping in view of the main objectives and relevant topics pertaining to public private partnership, tendering, and contract and project management in ULBs, the following topics were covered in the programme scheduled; Project Structuring: Key Issues and Challenges; Basic concepts & Pre-requisites of Public Private Partnerships; Financial Aspects of Public-Private Partnership; Legal Framework for structuring Projects under Public Private Partnership; Contract Framework & Contract Management for PPP Projects; Project Management: Concept and Need; Project Planning & Project Development cycle; Project Management Appraisal and Cost Benefit Analysis of Project; Implementation strategies for project execution & Network Analysis (CPM & PERT Chart); Risk Management: Risk and Uncertainties in Projects; Decentralized waste management through Public Private and community Participation; PPP Models for Street sweeping & Sanitation; PPP Models for Toilet Cleaning; E-Tendering & its Procedures; PPP Project Contracts and Factors for Success; Contract Management, Risk management & SPV.

PARTICIPATION:

46 participants including Zonal Sanitary Inspector, Chief Sanitary inspector and Sanitary & Food Inspector of ULBs from AMRUT cities of Uttar Pradesh were trained in the above training programme.

COORDINATION:

The training programmes were jointly coordinated by Dr Alka Singh Deputy Director, Dr A.K.Singh and M. Ajit Kumar Mishra Assistant Director, RCUES, Lucknow.

TRAINING PROGRAMME ON SEWERAGE, SEPTAGE, DRAINAGE & CONTRACT MANAGEMENT UNDER AMRUT

MoHUA recognizes that the end objectives and corresponding benefits of SBM cannot be achieved without proper management of faecal sludge and septage across the sanitation service chain. Further, it is well understood that sewerage coverage will not meet the complete sanitation needs in all areas, and a strategy which is a combination of OSS and off-site (decentralised and centralised) must co-exist in all cities and must be given equal attention. In this background Regional Centre organised a three day training programme on Sewerage, Septage, Drainage and Contract Management on July 19-21, 2018 at Lucknow. The aim of the training was to strengthen the capacities of municipal functionaries on effective septage management to mainstream it in citywide sanitation. The training programme focused on Water management and status of sewage generation and treatment in India, Fundamentals of wastewater treatment, Review of the existing treatment practices, Decentralized approaches in treating sewage, New and emerging on site technologies in domestic wastewater treatment, Water efficient sanitation practices, Economics of decentralized wastewater treatment systems, Planning, designing, implementation and monitoring of localized treatment systems. The training included exposure to best management practices in septage management. Overall 19 municipal officials from AMRUT towns of Uttar Pradesh participated in the programme. The programme was jointly coordinated by Dr. Anjuli Mishra, Joint Director and Dr. A.K. Singh, Assistant Director, RCUES, Lucknow.



Inaugural session in progress

The training programme focused on Water management and status of sewage generation and treatment in India, Fundamentals of wastewater treatment, Review of the existing treatment practices, Decentralized approaches in treating sewage, New and emerging on site technologies in domestic wastewater treatment, Water efficient sanitation practices, Economics of decentralized wastewater treatment systems, Planning, designing, implementation and monitoring of localized treatment systems. The training included exposure to best management practices in septage management. Overall 19 municipal officials from AMRUT towns of Uttar Pradesh participated in the programme. The programme was jointly coordinated by Dr. Anjuli Mishra, Joint Director and Dr. A.K. Singh, Assistant Director, RCUES, Lucknow.

ADVANCE TRAINING PROGRAMME ON FSSM UNDER AMRUT

RCUES Lucknow in collaboration with NIUA New Delhi and Consortium for DEWATS Dissemination Society Bengaluru organised a three-day advanced training programme on Faecal Sludge & Septage Management under AMRUT from 9-11 May 2018. The objective of the programme was to enhance knowledge and skills of practitioners to plan and implement a city wide faecal sludge and septage management system leading to ODF plus urban system in India. The programme gains relevance in the

Academic Activities

context of Swachh Bharat Mission (SBM), Atal Mission for Rejuvenation & Urban Transformation (AMRUT) and Smart City schemes of Government of India. It is particularly important in the context of National Policy on Faecal Sludge and Septage Management introduced by the Ministry of Housing and Urban Affairs, Government of India in February, 2017. The programme included technical sessions on planning, technologies, collection, and conveyance, treatment, designing of sludge drying bed, operation and maintenance of treatment technologies, preparation of DPR pertaining to faecal sludge and septage

management besides exposure tour to Unnao as CDD Society, Bangalore has prepared DPR for faecal sludge treatment plant for the city. Overall 32 participants attended the programme. The programme was jointly coordinated by Dr. Alka Singh, Deputy Director and Dr. A.K. Singh, Assistant Director, RCUES, Lucknow.



Dr Nishith Rai, Director, RCUES Lucknow addressing the participants at the training programme

ACTIVITIES UNDER SWACHH BHARAT MISSION (SBM)**INTEGRATED ORIENTATION TRAINING PROGRAMME (CAPSULE-1) UNDER SWACHH BHARAT MISSION (SBM)**

Inadequate sanitation has a great environmental economic and health impacts in India. In order to minimize these impacts, Government of India has under taken several measures including increased investment in sanitation, policy initiatives, regulations, and public campaigns to improve sanitary conditions in the country. This has resulted in raising the sanitation status during the last two decades but a marked improvement is yet to be achieved. With the objective of enhancing the knowledge and awareness of municipal functionaries for improving sanitation situation in cities, eight orientation training programme was organized by RCUES Lucknow under Swachh Bharat Mission.

KEY OBJECTIVES:2

The key objectives of the programme were:

- To acquaint the participants with need and importance of All the Mission mode programmes of Government of India and other related programmes.
- To give exposure to the participants on various good practices in the field of parks, solid waste management, Biomethanization

PARTICIPATION:

135 Municipal functionaries Executive officers, Nodal Officers and other sanitation staff engaged in implementation of SBM at ULB level were trained in the training programme organized by the Centre during the last quarter.

SESSIONS:

The training programme was designed to give basic knowledge of various programmes/ missions of Govt. of India to the participants, with focus on Swachh Bharat Mission. Detailed presentations were made by the internal and external faculty and enough time was devoted for discussions and problem solving. The topics covered during the programme included: Key Issues and Challenges related to SBM. Participants were introduced to the objectives, guidelines and processes of SBM. Need, Importance and Way Forward in the sphere of Solid Waste Management was discussed along with the learnings from the De-Centralized Waste Management Model of Ambikapur. Emphasis on

LIST OF CONDUCTED INTEGRATED ORIENTATION TRAINING PROGRAMME (CAPSLUE-1) UNDER SWACHH BHARAT MISSION (SBM)	
Dates	Number of Participants
10-12 October, 2018	23
25-27 October, 2018	22
30 October-01 November, 2018	18
15-17 November, 2018	18
26-28 November, 2018	25
29 November-01 December, 2018	20
03-05 December, 2018	15
10-12 December, 2018	7
13-15 December, 2018	14
02-04 January, 2019	18

Dates	Number of Participants
10-12 October, 2018	23
25-27 October, 2018	22
30 October-01 November, 2018	18
15-17 November, 2018	18
26-28 November, 2018	25
29 November-01 December, 2018	20
03-05 December, 2018	15
10-12 December, 2018	7
13-15 December, 2018	14
02-04 January, 2019	18



Training session in progress

the Role of IEC under SBM was also part of the sessions. Participants were given an overview of the various Missions like AMRUT, Prime Minister Housing for All and DAY-NULM. Strategy of Swachh Survekshan 2019 was also discussed in detail. Opportunities For Convergence With Other Missions And Schemes, Smart Solutions for Urban Planning, Heritage and Area Based Development and Good Practices related to Solid Waste Management were other topics taken up during the training.

COORDINATION:

The training programmes were jointly coordinated by Dr. Rajeev Narayan, Deputy Director and Mr. Himanshu Chandra, Assistant Director, RCUES, Lucknow.

WORKSHOP ON PREPAREDNESS OF ULBS OF UTTAR PRADESH FOR SWACHH WARD COMPETITION 2018 AND SWACHH SURVEKSHAN – 2019

The focus of Swachh Survekshan 2019 to be conducted across all cities and towns across the country between 4th – 31st January 2019. The distinctive features of the survey are geared towards

encouraging large scale citizen participation, ensuring sustainability of initiatives taken towards garbage free and open defecation free cities, providing credible outcomes which would be validated by third party certification, institutionalizing existing systems through online processes and creating awareness amongst all sections of society about the importance of working together towards making towns and cities a better place to live in.

The rankings of the cities of Uttar Pradesh in Swachh Survekshan 2018 were indicative that a lot was required in terms of Capacity building and awareness exercises among the ULBs. With a focus on sanitation and garbage-free certifications by independent third party and citizens' engagement in the Mission 23 one day divisional level workshops were organised by RCUES Lucknow in collaboration with Indian Development Centre, Lucknow with the support of Department of Urban Development, Govt. of Uttar Pradesh.

KEY OBJECTIVES:

- To acquaint the participants with the need and importance of Swachh Survekshan 2019.
- To familiarize ULBs with survey methodology, survey process and indicators, and also clarify the expectations of the Survekshan 2019 from the survey.
- To suggest way forward to the ULBs for achieving good ranking in Swachh Survekshan 2019.
- To aware the participants with need and importance of Swachh ward committees.

PARTICIPANTS:

1732 participants attended the workshop in which minimum five officials from Nagar Nigams, three from Nagar Palika Parishads and two from Nagar Panchayats of Uttar Pradesh were invited. The Programme was conducted with support of Indian Development Centre, Lucknow and its experts.

CONCLUSION:

The workshops enhanced the preparedness of ULBs and the participants regarding Swachh Survekshan 2019. The participants felt more informed on the subject which would help them in performing better in Swachh Sarvekshan 2019.

COORDINATION:

LIST OF CONDUCTED WORKSHOP ON PREPAREDNESS OF ULBS OF UTTAR PRADESH FOR SWACHH WARD COMPETITION 2018 AND SWACHH SURVEKSHAN – 2019

Date	Division	No. of Participants
30-10-2018	Meerut	88
31-10-2018	Aligarh	64
31-10-2018	Aligarh	49
01-11-2018	Agra	108
01-11-2018	Agra	56
04-11-2018	Shahjahanpur	95
14-11-2018	Kanpur	54
14-11-2018	Gonda	49
15-11-2018	Kanpur	54
15-11-2018	Basti	56
16-11-2018	Prayagraj	72
16-11-2018	Azamgarh	81
17-11-2018	Lucknow	72
17-11-2018	Faizabad	73
23-11-2018	Gorakhpur	95
26-11-2018	Bareilly	112
27-11-2018	Moradabad	71
27-11-2018	Chitrakoot	57
28-11-2018	Moradabad	89
29-11-2018	Saharanpur	105
29-11-2018	Jhansi	99
04-12-2018	Lucknow	42
07-12-2018	Ghaziabad	91

Dr Rajeev Narayan, Deputy Director RCUES Lucknow Coordinated the workshops.

WORKSHOP ON PREPARATION OF DPRS FOR COLLECTION AND TRANSPORTATION FOR SOLID WASTE MANAGEMENT

Solid waste management is one of the most essential services for maintaining the quality of life of the people in the urban areas and for ensuring better standards of health, sanitation and environment. In India, this service falls short of the desired level, as the systems adopted are out dated and inefficient. Institutional weakness, shortage of human and financial resources, improper choice of technology, inadequate coverage and lack of short and long term planning are responsible for the inadequacy of services.

For maximizing efficiency and effectiveness of the solid waste management service, it is necessary to tackle this problem systematically all aspects of “Solid waste management” (SWM) and to devise a cost effective system which may ensure adequate level of SWM services to all sections of the society, and efficient collection, transportation and disposal of waste in an environmentally acceptable manner in the lines of Solid waste management Rules 2016 and to achieve the objective of totally sanitized city by Oct 2019.

In a first of its kind initiative the State of Uttar Pradesh has engaged 100 interns from various Engineering colleges across the state of Uttar Pradesh for preparation of DPRs for collection and transportation of Municipal Solid Waste in ULBs of UP. The initiative is in tandem with the AMRUT Reforms for providing technical support to ULBs. In this regard, two Workshop on Preparation of DPRs for Collection and Transportation of Solid Waste in ULBs under Swachh Bharat Mission were organized by RCUES Lucknow.

KEY OBJECTIVES:

- To give an overview about Swachh Bharat Mission and Solid Waste Management,
- To orient the interns about the format for the preparation of Detailed Project Report (DPR) for the collection and transportation of Solid Waste Management for UP towns,
- To discuss the expected outcomes from the DPR.

FOCUS AREA:

- Introduction to Swachh Bharat Mission and Overview of Solid Waste Management, Municipal Solid Waste Management Rules 2016 and its compliances,
- Technical Aspects of Collection and Transportation for Solid Waste Management, Steps for preparing DPR for the collection and transportation of Solid Waste.
- Calculation of per capita waste generation and total cost of the DPR appropriately.

LIST OF CONDUCTED WORKSHOP ON PREPARATION OF DPRS FOR COLLECTION AND TRANSPORTATION FOR SOLID WASTE MANAGEMENT

Dates	Number of Participants
02-Jul-18	20
09-Aug-18	71
24-Oct-18	7
25-Oct-18	7

CONCLUSION:

Workshop provided a platform to discuss about any technical problems faced during the preparation of DPRs by interns or by CMMUs.

COORDINATION:

The workshops were coordinated by Dr Rajeev Narayan, Deputy Director and Ar Priyanka Kumar, Urban Planner, RCUES Lucknow.

WORKSHOP ON IMPLEMENTATION OF DECENTRALIZED SOLID WASTE MANAGEMENT SCHEME IN UTTAR PRADESH

Solid waste management is one of the most essential services for maintaining the quality of life of the people in the urban areas and for ensuring better standards of health, sanitation and environment. In India, this service falls short of the desired level, as the systems adopted are out dated and inefficient. Institutional weakness, shortage of human and financial resources, improper choice of technology, inadequate coverage and lack of short and long term planning are responsible for the inadequacy of services.

For maximizing efficiency and effectiveness of the solid waste management service, it is necessary to tackle this problem systematically all aspects of “Solid waste management” (SWM) and to devise a cost effective system which may ensure adequate level of SWM services to all sections of the society, and efficient collection, transportation and disposal of waste in an environmentally acceptable manner in the lines of Solid waste management Rules 2016 and to achieve the objective of totally sanitized city by Oct 2019.

With this above objective two Workshops on Implementation of Decentralized Solid Waste Management Scheme in Uttar Pradesh were organized by RCUES Lucknow in collaboration with the Department of Urban Development, Govt. of Uttar Pradesh.

ABOUT THE SESSIONS

The workshop was chaired by Sri Anurag Yadav, Secretary & Mission Director (SBM), Govt. of Uttar Pradesh in his address laid emphasis on the need and importance of decentralized waste management and urban local bodies to become dump free cities or moving towards zero waste producing cities. He also laid emphasis on treating the legacy waste in the cities on



Sri Anurag Yadav, Secretary & Mission Director (SBM), Govt. of U.P. chairing the panel discussion during the workshop.

Academic Activities

priority basis. Chhattisgarh State has done remarkable job in this field, hence Sri Nitesh Sharma, Advisor, PMU Chattisgarh was invited for the workshops to share the Chhattisgarh experience and also share the technical knowhow.

PARTICIPATION

118 Nodal officers (SBM) and Chief Engineer/ Executive Engineer of all the 60 Class-I towns of Uttar Pradesh attended the workshops.

COORDINATION:

The workshops were coordinated by Dr Rajeev Narayan, Deputy Director, Dr Nasruddin, Assistant director and Ar. Priyanka Kumar, Urban Planner, RCUES Lucknow.

LIST OF CONDUCTED WORKSHOP ON IMPLEMENTATION OF DECENTRALIZED SOLID WASTE MANAGEMENT SCHEME IN UTTAR PRADESH

Dates	Number of Participants
25 March, 2019	63
26 March, 2019	55

ACTIVITIES UNDER NATIONAL URBAN LIVELIHOODS MISSION (NULM)

INTEGRATED ORIENTATION TRAINING PROGRAMME UNDER DEENDAYAL ANTYODAYA YOJANA: NATIONAL URBAN LIVELIHOODS MISSION

The core belief of National Urban Livelihoods Mission (DAY-NULM) is that the poor are entrepreneurial and have innate desire to come out of poverty. The challenge is to unleash their capabilities to generate meaningful and sustainable livelihoods. The first step in this process is motivating the urban poor to form their own institutions. They and their institutions need to be provided sufficient capacity so that they can manage the external environment, access finance, expand their skills, enterprises and assets. In this backdrop, the RCUES Lucknow organized first three days Orientation Training Programme for City Mission Managers and Community Organizers under DAY-NULM of Uttar Pradesh on June 21-23, 2018 at RCUES, Lucknow. The programme was attended by 25 City Mission Managers and Community Organizers under DAY-NULM of Uttar Pradesh. Dr. Anjali Mishra, Joint Director and Dr. A. K. Singh, Assistant Director, RCUES, Lucknow jointly coordinated the programme.

TRAINING PROGRAMMES FOR REGISTERED STREET VENDORS UNDER DAY-NULM

The Center organized twenty four, two day training programme on Urban Street Vendors at Firozabad under DAY-NULM. The main objectives of the Training Programme were: to orient urban street vendors regarding rules and regulations of Street Vendor Act; financial inclusion and urban development programmes and schemes. Over all 939 Registered Street Vendors were provided orientation training through 24 training programmes.

LIST OF CONDUCTED TRAINING PROGRAMMES FOR REGISTERED STREET				
S.N O	DATE	VENUE	NO. OF PROGRAMME BATCHES	NO. OF PARTICIPANTS
1	12- 13 September 2018	Firozabad	8 Batches of 40 Participants	320
2	14-15 September 2018	Firozabad	5 Batches of 40 Participants	200
3	18-19 September 2018	Firozabad	5 Batches of 40 Participants	200
4	27-28 September 2018	Firozabad	6 Batches of 40 Participants	219
TOTAL NO. OF STREET VENDORS TRAINED				939

EXPOSURE VISIT

CITY LEADERSHIP PROGRAMMES FOR ELECTED REPRESENTATIVES AND SENIOR OFFICIALS OF UTTAR PRADESH

The Regional Centre for Urban & Environmental Studies, Lucknow in collaboration with and CEPT, University organized three four days City Leadership Programmes for Elected Representatives and Senior officials of Urban Local Bodies of Uttar Pradesh at Ahmadabad & Surat. The main objectives of the training cum exposure visits were: to discuss the initiatives being taken by the Ahmadabad and Surat Municipal Corporations in Urban Development and Good Governance; to see and discuss the best practices initiatives adopted by Ahmadabad and Surat Municipal Corporations in project implementations under Swachh Bharat Mission and Solid Waste Management, Smart Cities Mission, AMRUT Mission, etc. The participants included Hon'ble Mayors, Municipal Commissioners, Chief Engineer, Tax Assessment Officers, General Managers U.P. Jal Nigam, Smart City PMC Experts and other senior officials of Aligarh, Ghaziabad, Bareilly, Meerut, Kanpur, Gorakhpur, Lucknow, Varanasi, Agra, Allahabad, Mathura-Vrindavan, Saharanpur, Moradabad, Jhansi, Ayodhya, and Firozabad Municipal Corporations along with senior officials from State government. The participants were provided theoretical knowledge through lecture-cum – discussion sessions and practical knowledge through exposure through and field visit to different project sites like Solid Waste Management treatment and process plant, Tertiary Sewerage and waste water Treatment Plant, Smart City Command and control Centre, BRTS System, River Front Development and Lake Rejuvenation Projects, EWS Housing Projects, etc. The officials discussed the various implementation strategies adopted by these cities.



Participants at Smart City Command & control Centre, Surat

Date	No. of Participants	Coordinators
18 th -21 st April 2018,	27	Dr. Alka Singh, Deputy Director and Dr. Nasruddin, Assistant Director
16 th -19 th May 2018	25	Er. A.K.Gupta, Additional Director, and Mr. Himanshu Chandra, Assistant Directors
30 th May 2018 to – 2 nd June 2018	30	Dr. Anjali Mishra, Joint Director, Dr. Nasruddin and Mr. Himanshu Chandra, Assistant Directors

EXPOSURE VISIT CUM TRAINING ON FAECAL SLUDGE AND SEPTAGE MANAGEMENT

Untreated faecal sludge and septage management from towns and cities is one of the major causes of surface and ground water pollution in India. The Increase in access to sanitation under Swachh Bharat Mission brought about an evident need to address the emerging liquid waste management challenges. In India, a majority of the household depend on onsite sanitation facilities wherein, safe management of human waste, which includes its safe containment, transport, treatment and disposal, is of utmost importance to make our cities healthy and livable. Furthermore, rising urban population and increasing access to sanitation exert pressure on the existing sewerage management systems.

Recognizing the evident need to address the challenges, government mandated initiatives such as the AMRUT which was introduced with funds earmarked specifically to finance various programmatic interventions pertaining to liquid waste management among other other interventions. Beside the conventional sewer system, initiatives like AMRUT took a step further to address the liquid waste management challenges by adopting complementary approaches such as FSSM for Septage management in areas lacking sewerage System. For instance FSSM was promoted as an alternative solution for efficient liquid waste management in small and medium towns where setting up sewer networks seemed unviable due to several reasons such as high cost, longer and complex construction phase and less density of population.

In this above context Government of Odisha is one of the frontrunners to have recognized the significance of adopting a comprehensive approach to FSSM in urban areas. A serious cognizance of the adverse impact of untreated faecal sludge and septage on major rivers flowing across main towns of Odisha from where drinking water is drawn for treatment and supply triggered the need for safe management of septage. Government of Odisha is investing to construct SeTPs and FSTPs to treat the faecal waste. The nine AMRUT towns which have approvals to construct SeTPs and FSTPs in six towns of Berhampur, Bhubaneswar, Dhenkanal, Puri, Rourkela and Sambalpur are being commissioned.

A 3-day training cum exposure visit to Bhubaneswar and Puri cities of Odisha was organized from 3-5 January, 2019 at Bhubaneswar, Odisha under Sanitation Capacity Building Programme (SCBP) by National Institute of Urban Affairs (NIUA) with Regional Center for Urban and Environmental Studies, Lucknow and All India Institute of Local Self Government (AILSG) Mumbai to showcase the efforts undertaken by Government of Odisha as a case-study to the participants.



Participants during the exposure visit

Exposure Visit

KEY OBJECTIVE

To develop a comprehensive understanding of the various components of FSSM to implement effective and sustainable sanitation solutions in cities through hand-on experience of witnessing case study.

ABOUT THE CITY BHUBANESWAR

The 75 KLD SeTP in Bhubaneswar is one of its kind in the entire country, which treats both solid and liquid parts of the septage in an integrated manner. The SeTP is designed to treat the liquid part of the septage using DEWATS technology. This is a gravity flow- based system, where septage collected through cesspool emptier trucks is discharged to the receiving chamber from where it flows to different units by gravity. The technology requires least mechanical and electrical interventions to run the process and is cost effective as compared to other technologies. Additionally, the solar photovoltaic (PV) Panels installed to generate grid connected solar power to make the plant energy surplus.

ABOUT THE CITY PURI

Puri is first among the AMRUT towns to have a SeTP completed in October 2017. The plant in Puri employs Co-Treatment for Septage management. The solid present in the septage are separated in a setting- cum –thickener tank, which is then taken to the sludge drying bed for drying and disposal. The liquid part of the septage is treated in the STP located adjacent to the SeTP.

MAIN AIM OF THE WORKSHOP

- Understanding the sanitation value chain with challenges and need for addressing septage management solution for their cities.
- Understanding of regulatory frame work, planning and financial options for Faecal Sludge Management initiatives in their cities and towns.
- Understanding technology options for treatment of septage through site visit and interaction with engineers and city officials.
- Understanding the importance of implementing small incremental Faecal Sludge and Waste Water Treatment measures in their cities and towns.

PARTICIPANTS

The training cum exposure visit was attended by city and state officials, SBM/ AMRUT Mission Directorate, AMRUT cities Commissioners, Executive officers, Executive Engineers from 3 states viz. Uttar Pradesh, Chhattisgarh and Jharkhand..

COORDINATION

The programme was conducted by NIUA New Delhi jointly with RCUES Lucknow. From the centre Mr Ajit Kumar Mishra, Assistant Director, RCUES, Lucknow coordinated on behalf of the Centre.



FSTP in Bhubaneshwar, Odisha

TRAINING CUM EXPOSURE VISIT ON FAECAL SLUDGE AND SEPTAGE MANAGEMENT (FSSM) TECHNOLOGY AND FINANCING OPTIONS WAI, MAHARASHTRA

In recent months, Sanitation agenda has been at the forefront of development agenda in India. The Government of India has launched Swachh Bharat Mission and AMRUT where the emphasis is on access to safe and sustainable sanitation for all. With the rapid rate of construction of individual toilets with increased use of onsite disposal system, the need to formalize and strategically implement the faecal sludge and septage management (FSSM) system has been established.

Given this, Government of Maharashtra aims to move towards improved sanitation by encouraging access to own toilets with safe management of faecal waste. Maharashtra is the pioneer state to develop protocols of ODF, ODF+ and ODF++ for safe collection, conveyance and treatment/disposal of faecal matter. The city of Wai, situated at the foothills of Panchgani in Maharashtra is a pilgrim town with a population of 36,025 as per Census 2011. In alignment with the State's Swachh Maharashtra Mission with CEPT University and AIILSG Mumbai, Wai had strategically planned and implemented FSSM by undertaking scheduled desludging for households and setting up an FSTP in the city. To ensure proper functioning of this system, the city government has planned to engage private sector to build and operate this facility. For this, they have introduced a sanitation tax to make sure that adequate funds will be available for operation and maintenance of this FSSM services. A 3-day training on FSSM and exposure visit to Wai, Maharashtra was organized under Sanitation Capacity Building Program (SCBP) by National Institute of Urban Affairs (NIUA) with All India Institute of Local Self Government (AIILSG) Mumbai to showcase the efforts undertaken by this city as a case-study to the participants.

KEY OBJECTIVE:

Given the fact that FSSM is different not just in terms of treatment of faecal sludge but integrating the stakeholders and addressing the entire sanitation service chain, it is necessary to strengthen the existing knowledge base and capacity for its planning and implementation. The objective of this training is to develop a comprehensive understanding of the various components of FSSM to implement effective and sustainable sanitation solutions in cities through hands-on experience of witnessing a case study.

AIM OF THE WORKSHOP:

The training programme will be integrated with the ongoing Capacity Building activities planned under SBM/AMRUT at the state level. By the end of the workshop through experience sharing participants are expected to achieve:



Participants during exposure visit to Wai City FSTP

Exposure Visit

- Understanding the sanitation value chain with challenges and need for addressing septage management solutions for their cities.
- Understanding of regulatory frame work, planning and financial options for Faecal Sludge Management initiatives in their cities and towns.
- Understanding technology options for treatment of septage through site visit and interaction with engineers and city officials.
- Understanding the importance of implementing small incremental Faecal Sludge and waste water Treatment measures in their cities and towns.

PARTICIPANTS:

The training was organised for State Urban Development Officials, SBM/ AMRUT Mission Directorate, AMRUT cities- Commissioners, Executive Engineers.

ABOUT THE SESSIONS:

The training provided a classroom and field work component over 3 days training, to Government officials and professionals to get a hands-on experience of assessment and design considerations for planning and implementation of FSSM.

The training was conducted in a participatory mode. Sessions ensured active engagement of participants; in articulating the challenges for implementation of FSSM in their cities. It encouraged peer learning and knowledge sharing within the participants.

VENUE:

Hotel Ramee Grand, Shivajinagar, Pune.

COORDINATION:

The programme was coordinated by Mr Mohit Kapoor, Programme Officer NIUA and Mr Ajit Kumar Mishra, Assistant Director, RCUES Lucknow.

INITIATIVES AND ACHIEVEMENTS

- RCUES, Lucknow supported the Directorate of Agriculture, Govt. of UP as Technical Resource Partner for Development of Asset Management and Real Time Monitoring system. Asset management and Monitoring of Soil and water conservation Works at the Mili Watershed Level under RKVY Scheme by the Department of Agriculture, Government of Uttar Pradesh. Under this project Centre has developed a Soil control Room and MIS for uploading project details including the sanctioned Plan map and monitoring the progress work. A Mobile device application has also been developed through this application effective monitoring can be done at different stages of the project i.e. before construction, during construction and after construction pictures and data are uploaded real time from the field into the system. Hands on Training has also been provided to the officials and field level staff of the Department in all 1729 functionaries have been trained.
- RCUES, Lucknow is implementing and assisting the Department of Urban Development, Government of Uttar Pradesh under AMRUT in selection of agencies for Enhancement of GIS Base Map, Survey of Properties (ward wise & category wise), numbering of properties through assigning unique identification number to each property and developing property information system for 16 Municipal Corporations of U.P.
- RCUES, Lucknow is assisting the Department of Urban Development, Government of Uttar Pradesh under AMRUT in selection of agency for door-to-door collection and transportation of Municipal Solid Waste for the city of Mirzapur under SBM.
- RCUES, Lucknow is assisting the Department of Urban Development, Government of Uttar Pradesh under AMRUT in selection of experts for SMMU and CMMU in Uttar Pradesh.
- In a first of its kind initiative the RCUES, Lucknow with support of Dept. of Urban development government of Uttar Pradesh has engaged 35 interns from various Engineering colleges across the state of Uttar Pradesh for preparation of DPRs of 15 cities for Collection and Transportation of SWM and two DPRs on composting and treatment of SWM and one DPR of Capping of existing dump site.
- RCUES Lucknow conducted three Research Study, two under Fecal Sludge and Septage Management on Urban Sanitation, Septage and Waste Water Management in selected cities of Uttar Pradesh and one comparative Study of FSM Projects of Maharashtra, Odisha and UP.
- Centre supported Ministry of Housing and Urban Affairs in collaboration with India and NIUA in conduct of Third Party Monitoring of Reforms under AMRUT in 4 States—Madhya Pradesh, Chhattisgarh, West Bengal, Sikkim.
- RCUES Lucknow in collaboration with Snow Fountain Consultants organized three, one day workshop for engineers on Technical and Administrative Aspects of Project Implementation

Initiatives and Achievements

at Lucknow. The program was inaugurated by Honorable Cooperative Minister, Shri Mukut Bihari Verma. In total, 177 executive engineers of Uttar Pradesh Rajya Nirman Sahkari Sangh Ltd. Attended the training programmes.

- RCUES, Lucknow is assisting the Department of Urban Development, Government of Uttar Pradesh in developing action plan for implementation of decentralized transportation and processing of SWM in 593 ULBs of Uttar Pradesh having population less than 1 lakh.
- The RCUES Lucknow as PDMC for development of parks and Open spaces under AMRUT has developed 186 DPRs in FY 2018-19 for development of parks in AMRUT Cities of Uttar Pradesh.
- Centre as a technical agency for UPSIDC has developed DPR of Sewerage treatment Plant of Loni.
- The Centre is coordinating and monitoring the 'VIHAAN' Residential Schools run by Uttar Pradesh Building and Other Construction Workers Welfare Board, Department of Labour Uttar Pradesh in 06 districts of U.P. viz Meerut, Ghaziabad, Bahraich, Agra, Firozabad and Bhadoi.

PUBLICATIONS

RCUES has been bringing out various publications from time to time. This is in line with its policy of keeping the public, especially the members of Ministry of Housing and Urban Affairs, Govt of India well informed about the objective, activities and achievements of the Regional Centre. During the period from April 2018 to March 2019, it brought out the following publications:

Training Modules & Policies Documents	
1	Uttar Pradesh State Policy for Solid Waste Management
2	Orientation Training Module for Elected Representatives
3	Orientation Training Module for Capsule-1 under Swachh Bharat Mission
4	Orientation Training Module for Capsule-1 under Day-NULM
5	Module for Technical Training Programme for Engineers of UPRNSS
Detailed Project Reports	
S.No.	Name of the DPR
1	DPR for Collection & Transportation of Solid Waste Management Sultanpur
2	DPR for Collection & Transportation of Solid Waste Management Akbarpur
3	DPR for Collection & Transportation of Solid Waste Management Gonda
4	DPR for Collection & Transportation of Solid Waste Management Jaunpur
5	DPR for Collection & Transportation of Solid Waste Management Balia
6	DPR for Collection & Transportation of Solid Waste Management Firozabad
7	DPR for Collection & Transportation of Solid Waste Management Unnao
8	DPR for Collection & Transportation of Solid Waste Management Ghaziabad
9	DPR for Collection & Transportation of Solid Waste Management Lalitpur
10	DPR for Collection & Transportation of Solid Waste Management Hardoi
11	DPR for Collection & Transportation of Solid Waste Management Maunath
12	DPR for Collection & Transportation of Solid Waste Management Shikohabad
13	DPR for Collection & Transportation of Solid Waste Management Azamgarh
14	DPR of Solid Waste Management of Meerut
15	DPR of Capping for Existing Dumpsite of Meerut
16	DPR of Windrow Composting under Solid Waste Management of Hastinapur
17	DPR of Windrow Composting under Solid Waste Management of Hathras
18	DPR of Sewerage Treatment Plant of Loni

Publications

S.No.	Head	No.	Details
1	Training Modules & Policies Documents	5	Training Modules (4) Uttar Pradesh State Policy for Solid Waste Management (1)
2	Detailed Project Reports	204	Collection & Transportation of SWM (15) Composting & Treatment of SWM (2) Development of Parks & Open Spaces (186) Sewerage Treatment Plant (1)
3	Research Studies/Case Study/ Best Practices	3	FSSM Research Studies (2) Third Party Reform Assessment (1)
4	Journal- Urban Panorama	2	January June 2018 Vol XVII Issue 1 July December 2018 Vol XVII Issue 2
5	RCUES Newsletter	4	April- June 2018 -Volume XVI Issue 1 July- Sept 2018 -Volume XVI Issue 2 Oct - Dec 2018 -Volume XVI Issue 3 Jan - March 2019 -Volume XVI Issue 4
6	Annual Report	1	Annual Report FY 2018-19
Total Publication		219	

STAFF POSITIONS AS ON MARCH 31, 2019

The RCUES has a core team of qualified and experienced faculty and researchers. Programme based dedicated cells are also created from time to time.

S.N.	Name	Designation
1	Dr. Nishith Rai	Director
2	Sri A K Gupta	Additional Director
3	Dr. Anjuli Mishra	Joint Director
4	Dr. Rajeev Narayan	Dy. Director
5	Dr. Alka Singh	Dy. Director
6	Dr. Awdhesh Kr Singh	Asst. Director
7	Sri. Ajit Kumar Mishra	Asst. Director
8	Dr. Nasruddin	Asst. Director
9	Sri. Himanshu Chandra	Asst. Director
10	Sri. Indu Shekhar	Administrative Officer
11	Sri. D K Rai	Management Officer
12	Smt. Rachna Rishi	Publication Officer
13	Sri. Tushar Gupta	Assistant Accounts Officer
14	Dr. R K Trivedi	Assistant Librarian
15	Sri. B K Pandey	Hostel Manager
16	Sri. B D Mukharjee	Personal Secretary
17	Dr. Ashok Kumar Singh	Store Keeper
18	Sri. Prashant Kumar Mishra	Jr. Assistant
19	Smt. Deepa Pandey	Bill. Typist
20	Sri. Subhash Chandra	Care Taker
21	Sri. Puttan Yadav	Driver
22	Sri. Yogendra Pal	Janitor
23	Smt. Vineeta	Peon
24	Sri. Desh Raj Singh	Peon
25	Smt. Vimla Verma	Peon
26	Sri. Ram Bahadur	Peon
27	Smt. Geeta	Peon
28	Sri. Mohd. Iqbal	Care Taker
29	Sri. Nankau	Hostel Bearer
30	Sri. Anil Kumar Pal	Hostel Bearer
31	Sri. Tarkeshwar Singh	Hostel Bearer
32	Sri. Ram Balak	Hostel Bearer
33	Sri. Rajoo	Chowkidar

Staff Positions

S.N	Name	Designation
35	Sri. Subedar Pal	Driver
36	Sri. Sachin Kumar	Driver
37	Sri. Bhagwat Sharan	Mashalchi
38	Sri. Pratap Ram	Cook
39	Sri. Naresh Chandra	Sweeper

LIST OF CONTRACTUAL STAFF

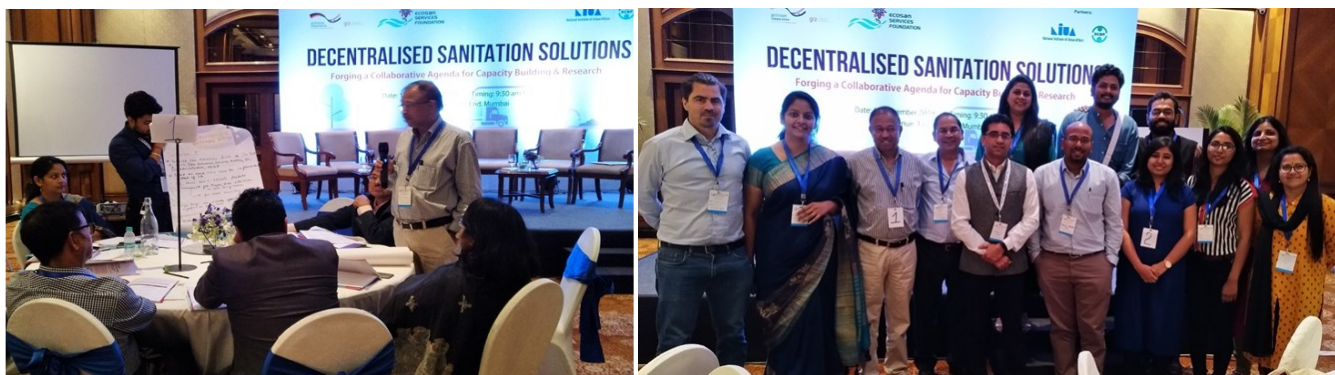
S.N	Name	Designation
1	Sri Zia-ul-haque	Urban Planner cum Environment Expert
2	Sri Ashish Chauhan	Urban Planner
3	Ms. Priyanka	Urban Planner
4	Sri O P Nigam	Assistant Engineer Technical
5	Sri Tayyab Abbasi	Asst. Project Officer under Vihaan Project
6	Sri Ajay Kumar Pandey	Computer Specialist
7	Sri Hari Om Pandey	Account Assistant
8	Sri Ram Narayan	Office Assistant
9	Sri Shailesh Kumar Singh	Office Assistant
10	Smt. Dipti Srivastava	Typist
11	Sri Ankit Agrawal	Typist
12	Sri Nagendra Kumar Tripathi	Typist
13	Sri Laxmi Niwas	Driver
14	Sri Tanveer Haider	IV Class
15	Smt Nazreen Alam	IV Class
16	Sri Ravi Shaknar Sharma	IV Class
17	Sri S Z Ansari	Electrician
18	Sri S P Yadav	IV Class
19	Sri Ajay Saini	Bearer
20	Sri Chandra Prakash	IV Class
21	Sri Kripa Shankar	IV Class
22	Sri Ghan Shyam	IV Class
23	Sri Ram Shankar	Sweeper
24	Sri Manoj Yadav	Bearer
25	Sri Rajesh Kumar	Gardner
26	Sri Shailendra Trivedi	IV Class
27	Sri Sunil Kumar	IV Class
28	Sri Lalan Singh	IV Class
29	Sri Ram Kishor Kashyap	Chowkidar
30	Sri Anil Tiwari	IV Class
31	Sri Rahul Pal	IV Class
32	Sri Pradeep Kumar	Chowkidar
33	Sri Dheeraj	Sweeper

STAFF NEWS

- Er A K Gupta, Additional Director, RCUES Lucknow attended one day National Event on Small-Scale Sanitation System in New Delhi on 5th April 2018
- Dr. Rajiv Narayan, Deputy Director, RCUES Lucknow attended a Exposure Visit on Septage Management, Water & Sanitation for Urban Poor in Malaysia from 16 to 18 April 2018.
- Er A K Gupta, Additional Director, RCUES Lucknow attended the Apex Conference of Smart City CEOs in Bhopal on 8th May 2018.
- Er A K Gupta, Additional Director, RCUES Lucknow attended the Feecal Sludge Management Twinning Program organized by Asian Institute of Technology, Thailand from 29th August to 07th September 2018.
- Mr. Himanshu Chandra, Assistant Director, RCUES Lucknow attended *The Municipalika 2018* which is the 15th International Exhibition and Conference on Smart and Sustainable City Solutions in which International Country Pavilions, State Pavilions where Government of Uttar Pradesh participated and other Municipal Corporations displaying their initiatives undertaken for their Cities along with 300+ technology solution providers for city development needs, exhibiting their technologies and displays. The event was held at the Bombay Exhibition Centre from September 19 – 21, 2018.
- Dr. Nasruddin, Assistant Director RCUES Lucknow attended the meeting of the Empaneled Training Entities under Integrated Capacity Building Programme (ICBP) under the chairmanship of Mr. Sanjay Kumar, Joint Secretary (DAY-NULM) and Project Director, CBUD, Ministry of Housing and Urban Affairs on 24th September 2018 at Nirman Bhawan, New Delhi and presented the action plan of the Centre.
- Er A K Gupta, Additional Director along with Dr Alka Singh, Deputy Director, RCUES Lucknow attended the BW Business world's 'Envision 2018 Summit' in Goa focusing on developing Smart Cities from 23-26 September 2018. He was the key note speaker on 23rd September on the Smart Cities. It was attended by Mayors and Municipal Commissioners across India. The summit was held in association with the Cooperation Department, Government of Goa & Goa State Cooperative Union Co- Hosted this summit with support of more than 10 states partners.

Staff News

- Er A K Gupta, Additional Director, RCUES Lucknow attended Workshop on Capacity Building for Digital Strategies and Smart Solutions for Smart Cities in India organized by All India Institute of Local Self-Government (AIILSG) in partnership with the World Bank on November 30, 2018, at the World Bank – New Delhi office.
- Er A K Gupta, Additional Director, RCUES Lucknow attended the Second Phase of Urban Management Programme on Water Recycling and Reuse organized by NITI Ayog in collaboration with the Singapore Cooperation Enterprise & TF International at New Delhi from 26-28 November 2018.
- Er A K Gupta, Additional Director, RCUES Lucknow attended National Conference on sustainable infrastructures potable water and waste water on 15 December 2018 at New Delhi.
- Er A K Gupta, Additional Director, RCUES Lucknow attended a presentation on Real Time monitoring of government schemes from funds allocation to Utilization certificate using MIS, GEO Tagging and GIS including direct beneficiary transfer at Arunachal Pradesh on 16-18 December 2018.
- Er. A.K.Gupta, Additional Director and Dr Alka Singh, Deputy Director, RCUES, Lucknow participated as Key Speakers during the Technical Workshop on Decentralized Sanitation Solutions: Forging a collaborative agenda for Capacity Building Research was organized by National Institute of Urban Affairs (NIUA), New Delhi, together with Ecosan Services Foundation (ESF) at Mumbai on 18th November, 2018. The workshop focused on identifying priorities for collaboration for capacity building and research under FSSM. The RCUES, Lucknow as Nodal national training institute has been providing training and capacity



Er. A.K.Gupta, Additional Director and Dr Alka Singh, Deputy Director, RCUES, Lucknow participated as Key Speakers during the Technical Workshop on Decentralized Sanitation Solutions: Forging a collaborative agenda for Capacity Building Research organized by National Institute of Urban Affairs (NIUA), New Delhi

building and technical support to ULBs and state government as resource centre under different flagship Missions of Government of India. RCUES Lucknow was invited to share its experiences of conducting capacity building programmes under different missions. The workshop was organized to share learning experiences, preparing training modules, learning material and other capacity building activities by Nodal training institutes to learn from each other and to suggest a way forward for training institutes, NIUA and ESF in the capacity building in the field of Sewerage and Septage Management. Dr. Rajeev Narayan, Deputy Director, RCUES, Lucknow attended the three day Workshop on Recycled and Reuse Water for Drinking and Non-Drinking Purposes, organised by Niti Aayog, Govt. of India, from 27th-28th November, 2018 at India Habitat Centre, New Delhi.

- Dr Alka Singh, Deputy Director, RCUES, Lucknow participated in the Multi-Country Twinning Program- FSM Knowledge Exchange Programme under the Sanitation Capacity Building Platform of NIUA was organized in Malaysia from 26-30, November 2018. This training programme cum exposure visit at Malaysia was organized for staff of training institutes and State Officials across India working on FSM Projects to encourage knowledge sharing within and among countries. The program aimed to advance the knowledge and expertise of FSM professionals and their organizations through exposure visits to successful FSM programs and lessons learned in other countries. Develop a platform and initiate



Dr Alka Singh, Deputy Director, RCUES, Lucknow participated in the Multi-Country Twinning Program- FSM Knowledge Exchange Programme under the Sanitation Capacity Building Platform of NIUA at Indah Water Training Centre, Kuala Lumpur.

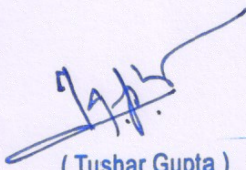
actions to encourage knowledge-sharing within and among countries. Create opportunities for FSM professionals to network and foster development of long-term twinning relationships between organizations and utilities. The programme focused on: Exposure to FSM best practices, including regulatory and management aspects; Learning from experience of others; Support your development and implementation of FSM solutions; Network with other FSM

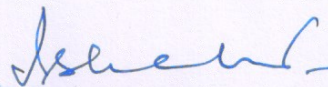
professionals; Opportunity for long-term collaborative partnerships; Be an ambassador for FSM knowledge sharing; 20 participants from India, Nepal and Bangladesh participated in the above programme. The training cum exposure visit included class room and field visit over four days. The program focused on Regulatory and Institutional approaches, Comparison of different business models, Other learnings on approaches, success factors and pitfalls to avoid, A variety of treatment options: mechanical system, non-mechanical system, co-treatment with sewage, Promotion and awareness programs and strategies, Desludging practices. The programme was organised at Indah Water Training Centre, Kuala Lumpur and National Water Services Commission (SPAN), Kulalampur Malaysia.

- Dr. Nasruddin and Mr. Ajit Kumar Mishra, Assistant Directors, RCUES, Lucknow attended Training of Trainers (TOT) Workshop from 9-11 January 2019 organized by NIUA, New Delhi.
- Er A K Gupta, Additional Director along with Dr Alka Singh, Deputy Director visited Rourkela in Odisha to study the Fecal Sludge, Sewerage and Septage Treatment plant .
- Dr. Rajeev Narayan, Deputy Director attended the Second Capacity Building Workshop on Recycled and Reuse Water Management- Development of Preliminary Design for Water Recycling Plant organized by NITI Aayog, New Delhi on 20th – 21st February 2019.
- Er A K Gupta, Additional Director attended the meeting of Smart City SPV Bareilly on 14th February 2019.
- Mr Himanshu Chandra, Assistant Director, RCUES Lucknow attended the kick-off workshop for the National Urban Innovation Stack (NUIS) initiative on 23rd March 2019 at the National Institute of Urban Affairs (NIUA), New Delhi.

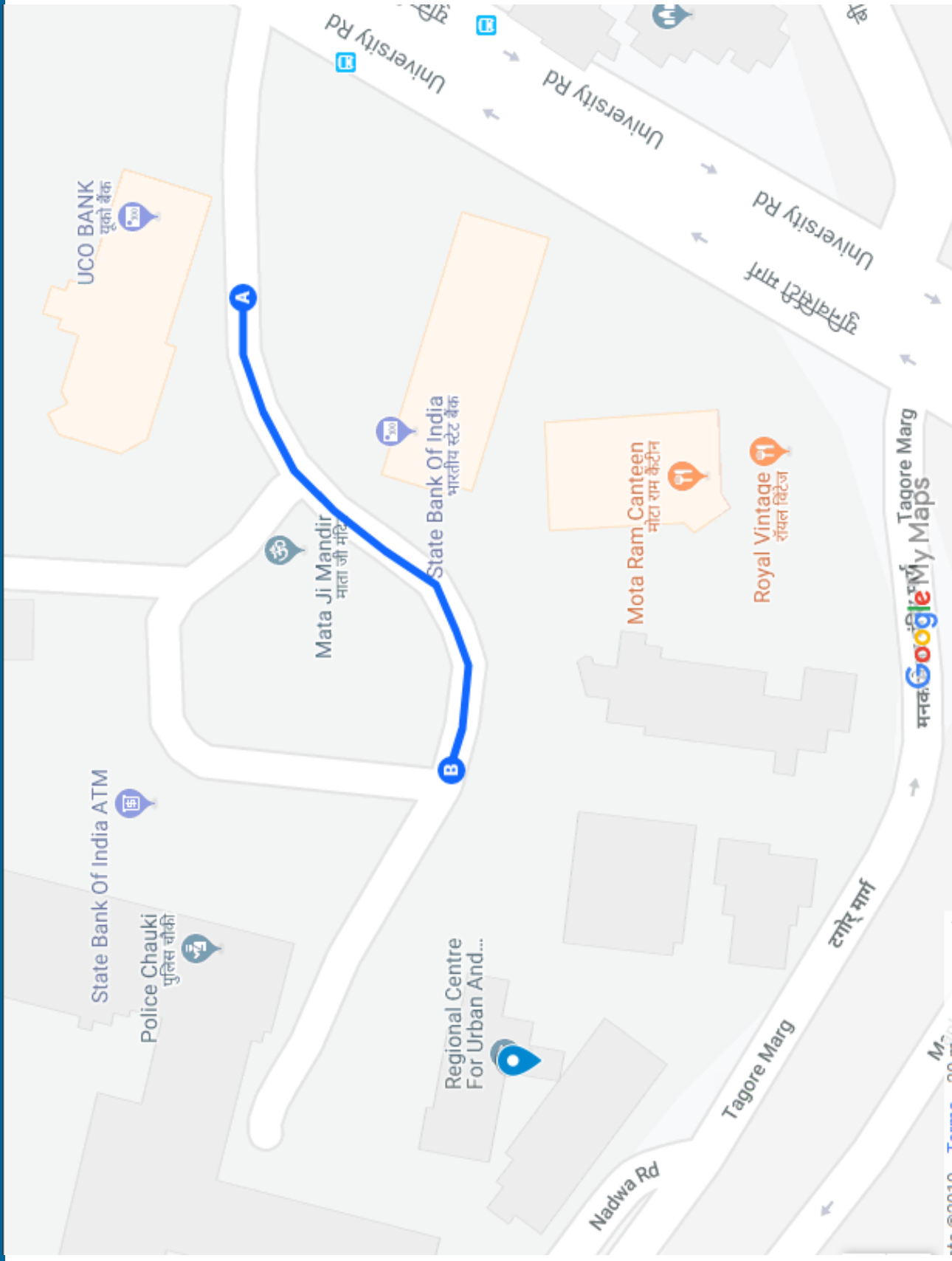
FISCAL HIGHLIGHTS

Regional Centre for Urban & Environmental Studies, Lucknow				
Summary of Funds Received and Utilized in FY 2018-19				
(In Rs. Cr.)				
Received From	Head	Fund Received	Fund Utilized	Balance
Ministry of Housing and Urban Affairs, GOI	Grant - in- aid Salaries	1.10	2.49	-1.39
	Grant - in - aid General Expenditure	-	0.23	-0.23
Urban Development Department, UP	Grant - in- aid Salaries	0.93	0.93	-
	Grant - in - aid General Expenditure	0.04	0.04	-
AMRUT	Training	0.32	0.99	-0.67
	Consultancy	2.14	0.49	1.65
SBM	Training	0.97	0.75	0.22
	Consultancy	1.06	0.90	0.16
Ministry of WCD	Training	0.12	0.12	0
Smart City	Workshop	0.01	0.001	0.009
NULM	Training	0.59	0.46	0.13
Other Sponsored Programmes		0.04	0.03	0.01
Research Study		0.07	0.07	0
Other Consultancy Assignments		5.52	3.36	2.16
Total		12.91	10.86	2.05


 (Tushar Gupta)
 Assistant Accounts Officer
 Regional Centre for Urban & Environmental Studies,
 Ministry of Housing and Urban Affairs, Government of India
 Adj. Registrar's Office, Lucknow University Campus
 Lucknow-226007


 Administrative Officer
 Regional Centre for Urban &
 Environmental Studies,
 Ministry of Housing and Urban Affairs,
 Govt. of India, Lucknow

RCUES LOCATION



Upcoming Campus of RCUES at Indira Nagar, Lucknow



For further details contact:

Regional Centre for Urban & Environmental Studies, Lucknow

(Ministry of Housing and Urban Affairs, Government of India)

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

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(आवासन और शहरी कार्य मंत्रालय, भारत सरकार)

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