

सत्यभेव जयते REGIONAL CENTRE FOR URBAN & ENVIRONMENTAL STUDIES, LUCKNOW

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

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

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Building Capacities of City Managers for Achieving Good Urban Governance

ONLINE TRAINING ON INCLUSIVE HOUSING POLICY (PMAY)

BACKGROUND

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

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

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

List of Online Training Programmes		
Date	No. of Participants	
02 July 2022	17	
06 July 2022	53	
08 July 2022	26	
23 August 2022	25	
30 August 2022	25	

initiated Affordable Rental Housing Complexes (ARHCs), a sub-scheme under Pradhan Mantri Awas Yojana- Urban (PMAY-U).

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

OBJECTIVES

- To highlight the status of urban poverty and approaches for its alleviation;
- To discuss and deliberate upon the various provisions and procedures of the Pradhan Mantri Awas Yojana;
- To highlight the problems and challenges in implementation of Pradhan Mantri Awas Yojana and suggesting measures for its effective implementation.



• To highlight the main features and provisions



under Affordable Rental Housing Complexes (ARHCs), a sub-scheme under Pradhan Mantri Awas Yojana.

PARTICIPANTS

The online training was aimed at Municipal Commissioners /Additional Municipal Commissioners/ Deputy Municipal Commissioners / Assistant Municipal Commissioners, Executive Chief Municipal Officers, Officers/ Concerned Officials of City Level Technical Cell Under PMAY(U). In total 146 participants attended the training.

COORDINATOR:

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

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

BACKGROUND

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

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

The Government of India launched the scheme of Repair, Renovation and Restoration (RRR) of water bodies during X Plan to revive and restore vanishing water bodies resulting in major loss of irrigation potential. The scheme was launched as pilot scheme and based on its success, a full scale scheme was implemented during XI Plan. Keeping in view the benefits arising out of the implementation of the scheme, it was extended to XII Plan as well. During XII Plan, the planned outlay of the scheme is Rs 10,000 crore and is envisaged to provide Central Assistance for restoration of about 10,000 water bodies (9000 water bodies in rural areas and 1000 water bodies in urban areas) with an earmarked Central outlay of Rs. 6,235 crore and respective State share of Rs 3,765 crore for the scheme with likely restoration of 6.235 lakh hectare.

List of Online Training Programmes		
Date	No. of Participants	
08 July 2022	22	
18 July 2022	33	
20 July 2022	28	
22 July 2022	18	
25 July 2022	31	
27 July 2022	30	
29 July 2022	30	
02 August 2022	45	
02 August 2022	28	
04 August 2022	19	
06 August 2022	17	
22 August 2022	18	
24 August 2022	25	
26 August 2022	30	
29 August 2022	24	
23-Sep-22	15	
24-Sep-22	15	

In the context of increasing water scarcity competitive demands and widespread pollution, water resources have become one of the critical imperatives for livelihood. Drinking and Domestic water needs get the first priority among the various demands of water. Recently, the Government of India approved Phase II of Swachh Bharat Mission-Urban (SBM-U 2.0). Alongside the urban component of Jal Jeevan Mission (JJM-U), SBM-U 2.0 goes beyond the aim of eliminating open defecation in the country, by focusing on ODF+, ODF++ and Water+ protocols as laid down by the Ministry of Housing and Urban Affairs, Government of India. Government of India in Fifteenth Finance Commission, with a theme of water conservation drafted the policy for pond and water bodies rejuvenation making use of waste water and beautification of the pond as tourist spot as well as place for cultural activities decided to take up the pledge to transform degraded ponds in to lively water bodies with restored aquatic ecology and saving the environment of the town. In this context RCUES Lucknow organized 17 online training programmes on Water Bodies Rejuvenation & Creation of Green

spaces in ULBs.

OBJECTIVES

The training programme is the capacity building programme under the Sanitation Capacity Building Platform. Through experience sharing, participants are expected to:

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

PARTICIPANTS

The programme was organized for senior officials from 4 States Urban Development Departments, SBM/AMRUT Mission Directorates and Parastatal Bodies. In total 428 participants attended the online training.

EXPECTED OUTCOME

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

METHODOLOGY AND SESSIONS:

The training programme was conducted on online mode which included:

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

RESIDENTIAL TRAINING PROGRAMME ON OPERATION AND MAINTENANCE OF FAECAL SLUDGE AND CO-TREATMENT

BACKGROUND

Regional Centre for Urban and Environmental Studies (RCUES) in collaboration with CSE - School of Water and Waste (SWW) organized a training programme from 19-22 July at Anil Agarwal Environment Training Institute (AAETI), Neemli, Rajasthan on 'Decentralized Operation and Maintenance of Faecal Sludge Treatment and Co-Treatment Plants'. The aim of the training was to build the Capacity of State/ Municipal functionaries involved in Implementation and Operation & Maintenance of Faecal Sludge and Co-Treatment plants.

OBJECTIVES

The objectives of the training are as follows:

- Fundamentals of FSSM and UP's journey in FSSM
- Overview of different FSSM technologies
- Operating guidelines and O&M of different desludging vehicles

- Need and strategies for effective O&M
- Health and Safety in FSTP operations and maintenance
- O&M protocols of different FSSM technologies used in UP
- Laboratory aspects of FSSM

SESSIONS

The training methodology was a mix approach involving lectures, exercises, interactive discussions, video documentaries, exposure visits etc. The participants also got an opportunity to learn developing Operation and Maintenance module, Action Plan for the operations of the plant etc as part of group exercise.

The day one of the training started with room mapping exercise followed by a context setting and keynote address by Mr. Depinder Singh Kapur, Programme Director at CSE. Mr. Dhawal Patil- Saniverse and Dr. Smitha Singh- KAM Foundation were the external speakers on Day 1. The first half of the day focused on the context setting on the importance of O&M,



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defining issues and challenges during the implementation of a FSSM project, UP journey in FSSM. Fundamentals and overview of FSSM. overview of different FSSM technologies, Occupational health and safety in FSSM. The second half of the day focussed on Overview of different desludging techniques and machineries, De-Sludging experiences in Chunar, Municipal Byelaws and De-Sludging in Bijnor and risks in FSTP operations.

On day two, three external speakers from reputed organisations like Mr. Dhawal Patil- Saniverse, Mr. Swastik Pandey- Blue Water Company and Mr. K C Rao- Wash I. The first half of the day 2 covered the sessions on improving safety in FSSM, Overview of reuse and resource recovery models, Planning for O&M in FSSM, Case studies in Leh, Dhenkanal and Sircilla. The second half of the day 2 covered a session on the Operation and Maintenance of different modules, session on the laboratory followed by the visit to the laboratory. Post the completion of sessions, participants were taken around the AAETI campus tour where participants were taken to the various wastewater treatment systems (DWWTs, SBT. Improved Septic Tank) as well as rainwater harvesting system to showcase the example of wastewater treatment and RWH at institutional scale.

Day three started with the exercise on the action plan from the participants to manage the septage efficiently in their cities and the training concluded by the certificate distribution.

PARTICIPANTS

A total of 34 participants from diverse background attended the training programme, which comprises the Engineers (Civil / Mech./Envn.) working with UP Jal Nigam, Urban Local Bodies under state FSSM initiative, Contractor representatives involved in Operation and Maintenance of FSTP and co-treatment plants and Other technical officials dealing with FSSM under AMRUT & Swachh Bharat Mission (U).

COORDINATION

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

EXPOSURE VISIT TO ODISHA TO SHOWCASE BEST FSSM PRACTICES

BACKGROUND

Regional Centre for Urban and Environmental Studies (RCUES) in collaboration with Centre for Science and Environment (CSE) organized an Exposure visit to Odisha Water Academy from 04-06 August 2022, to showcase best FSSM practices incorporated by state of Odisha in their structure of sanitation reforms.

OBJECTIVES

The objectives of the training are as follows:

- Fundamentals of FSSM and UP's journey in FSSM
- Overview of different FSSM technologies
- Operating guidelines and O&M of different desludging vehicles
- Need and strategies for effective O&M
- Health and Safety in FSTP operations and maintenance
- O&M protocols of different FSSM technologies used in UP
- Laboratory aspects of FSSM

SESSIONS

The exposure visit was hosted by Odisha Water Academy (OWA) and PMU Ernst & Young (EY) in Odisha. On day 1- Shri R N Mallik, Chief Engineer-Housing and Urban Development Department Govt. of Odisha, helped the participants to understand the background, current status and future of the FSSM journey in his session. Mr Sandipan Sarangi, from E&Y, Ms Suryabarti Majhi, Project Engineer OWSSB; Shri Santanu Rath-Director OWA, Shibabrata Kar from EY and Manu from EY also facilitated the learning in their respective sessions at OWA premises. Overall, in the first half of the day 1 participants were given sessions policy, legal & regulatory framework, low cost technologies, inclusive approach-women SHG, Trans-gender (TG) in FSTP Management and issues, challenges in O&M of FSTPs.

In the second half of the day 1, participants were taken to Basughai FSTP where MsSuryabarti Majhi facilitated the visit and explained various treatment stages on the plant. The participants were also introduced to the TG community involved in the O&M of the Basughai FSTP. Meghna Sahu, Team Lead of the TG showed the gratitude towards government of Odisha for giving them the opportunity to raise in their lives and greeted the participants for visiting the plant and appreciating their efforts. In the later end of the day the participants travelled to Puri city to observe the setup of a 50 KLD Co-treatment unit at 15 MLD Sewage Treatment Plant (STP). Mr Bhabani Mohanty, Manager at WATCO Puri explained the about the treatment unit on the field. Mr Saroj Kumar Swain Executive Officer, Puri Municipality, explained the participants about the reforms they brought for regular safe desludging and transport of faecal sludge. He gave idea about how they have introduced Jal Sathi incentive system to improve tax collection for FSSM.

On day- 2 Participants travelled back to Bhubaneshwar at OWA where Mr. Sangramjit Nayak, DMA, Housing and Urban Development,



Co-treatment Plant at Puri-participants observing the process

Participants exploring the Basughai FSTP, Bhubaneswar

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Participants exploring Planted Gravel Filter at Basughai, FSTP, Bhubaneshwar

Government of Odishagave us a tour of Odisha FSSM journey and challenges faced at the administrative level. It was followed by a small feedback session through google forms. It was a fruitful visit and concluded with a high note with excellent feedback from the participants. Couple of important things we have learnt from Odisha -

- Strong political and administrative will. The PS and DMA have been in the same department for the past nine years.
- Flexible to experiment, learn and adopt. They are not scared to fail.
- Taking conscious decision. They have visited places, seen technologies, reviewed guidelines and then drafted their own journey. They are pursuing their own journey, even though it is in conflict with national guideline, as they have conviction. Partnership with transgender group and Mission Shakti SHGs across the FSSM value chain.

PARTICIPANTS

A total of 18 participants from diverse background attended the training programme, which comprised of Municipal Commissioners (MC), Additional MC, Asst. MC, Executive Officers of various ULBs, and Additional Mission Director, AMRUT.

COORDINATION

The programme was coordinated by Dr. Anjuli



Group picture at Puri Co-treatment Unit

Mishra, Joint Director, RCUES, Lucknow

ONLINE TRAINING ON RAIN WATER HARVESTING

BACKGROUND

India is experiencing rapid urbanization and consequently water demand in urban areas is escalating.

Due to shortage of surface water sources in many urban centers, ground water is now increasingly tapped for water supplies. As a result, there is lot of pressure on underlying aquifers for fulfilling the domestic water demand. Inadequate access to improved water has been a persistent challenge for many Indian cities. Urban water resources are overstressed due to increase in urban population, pollution and unplanned as well as un-sustainable urban growth. Moreover, over exploitation of ground

water resources in urban centers for quenching the thirst of increasing urban population, changing lifestyle, and water uses for various purposes is cause of concern. Thus, management of water resources is imperative rather than development of the resources. In order to address water scarcity, it is important to undertake efforts for conservation, restoration, recharge and reuse of water. In this pursuit, Ministry of Jal Shakti , Government of India has launched Jal Shakti Abhiyan from 1 July, 2019 for effective management of water resources and increasing its

List of Online Training Programmes		
Date	No. of Participants	
19 July 2022	44	
26 July 2022	26	
29 July 2022	27	
02 August 2022	40	
05 August 2022	20	

access to population. Rain Water Harvesting (RWH) is collection and storage of rainwater from roof tops, roadside, open areas, etc. which can be stored for further usage or recharged into ground water to augment water resources RWH needs to be implemented as per the provisions of MBBL, 2016 shared with all States/UTs for adoption. Most of the States/UTs have incorporated RWH in their respective Building Bye-Laws. Cities need to ensure that the RWH provisions are incorporated in their or State Building Bye-Laws (BBLs), as may be applicable.

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

OBJECTIVES

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

SESSIONS

The sessions included Conservation of Water Resources and Rain Water Harvesting in Urban Areas.

PARTICIPANTS

A total of 157 participants from diverse background attended the training programme, which comprised of Additional/ Deputy / Assistant, Municipal Commissioners, Executive Officers, Engineers, Urban Planners, Specialists of Environment, Specialist Infrastructure Development, Chief Sanitary Inspectors and Zonal Officers.

COORDINATOR

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



ORIENTATION TRAINING PROGRAMME ON SWACHH BHARAT MISSION 2.0 IN COLLABORATION WITH RCUES LUCKNOW & WASH INSTITUTE

BACKGROUND

On October 1, 2021 the Ministry of Housing and Urban Affairs (MoHUA), Government of India launched Swachh Bharat Mission-Urban 2.0. The aim of this mission is to make ODF sustainable (ODF++) and ensure 100% used water (wastewater) is treated for reuse. The new program mandates urban local bodies with population less than 1 lakh (2011 census) to adopt a multidimensional approach towards used water management by adopting and implementing sewerage, FSSM, decentralised wastewater and grey water management solutions.

To aid states and ULBs in implementing this, MoHUA has published guidelines with information about the program, funding pattern and planning methodology. Nonetheless, stakeholders from ULBs may need help in deciphering the technical aspects of these guidelines.

To overcome the above issues, WASH Institute has initiated a program with objective to build capacity of officials and executives of ULBs across India on SBM -U 2.0 guidelines through classroom training/online training.

With the above objective, WASH Institute with the support of USAID, Bill & Melinda Gates Foundation, Regional Centre for Urban & Environmental Studies (RCUES) Lucknow conducted two three-day

List of Online Training Programmes		
Date	No. of Participants	
28-30 July, 2022	27	
01-03 August, 2022	28	

orientation programme on operational guidelines of SBM-U 2.0, for ULB officials from Jharkhand and Uttar Pradesh.

The program was aimed to disseminate and explain SBM-U 2.0 guidelines, exclusively to officials, executives of urban local bodies and other key stakeholders, in simple terms to understand terminologies and concepts.

The training elaborated the role of officials and executives of urban local bodies for preparing city sanitation action plan (CSAP) for implementation of SBM-U 2.0.

SESSIONS

The training elaborated the role of officials and executives of urban local bodies for preparing city sanitation action plan (CSAP) for implementation of SBM-U 2.0. Basic introduction to the training and objective setting for SBM Urban 2.0 Guidelines. A detailed 360-degree approach covering all aspects of SBM-U- 2.0. guidelines, its objectives, explanation of its mission & vision, etc. Detailed study on used water management, its implementation, planning &



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operation & maintenance with case studies. Planning & zoning of ULBs with Case studies Understanding & preparation CSAP in the detailed format specified in the SBM-U 2.0 Guidelines. A detailed session on FSM and need for FSM for implementation of SBM-U 2.0 Guidelines. Estimating investment for FSM. Case studies on Reuse models were shared. Drain based conveyance models with case studies, estimating investment for drain based systems and I&D infrastructure were shared. Sensitizing the officials on roles of all genders in the society, especially women and in work space and in planning of projects.

PARTICIPANTS

The training was aimed at Sanitary and Food Inspectors, Executive Officer, Tax Collector/in-charge SBM, Junior Engineer, Assistant Engineer, Divisional Program Managers and Divisional Managers, District Co-coordinators, Clerk and Safai Nayak. Overall 55 participants attended the training programmes.

COURSE COORDINATOR

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



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TRAINING ON INTERMEDIATE PUBLIC TRANSPORT (IPT) SYSTEMS IN URBAN AREAS

BACKGROUND

The urban areas of Uttar Pradesh are heavily dependent on the Intermediate Public Transport (IPT) systems for daily commuting within cities. These IPT modes include auto rickshaws, tempos, e-rickshaws, cycle rickshaws etc. IPT modes carry 15-20% of passengers in all the million plus cities of Uttar Pradesh and this share is even higher than that of the buses. With rapid urbanisation and increasing infrastructure upgrades, there has been tremendous demand for transportation services. Limited bus availability and the compact urban form of the cities in UP suits the market of these IPT services.

Against this backdrop, RCUES, Lucknow organized a Training Programmes on Intermediate Public Transport (IPT) systems in urban areas on 04 August 2022 at RCUES Lucknow.

SESSION

In view of the objectives of the workshop, five technical sessions and two interactive sessions were organized. The first interactive session "From the lens of city practitioners - Issues and Challenges within IPT services", moderated by Mr Himanshu Chandra, Assistant Director RCUES Lucknow. During this session, the participants and experts shared their views on the IPT services in their respective areas and their importance as per their ideology.

The **technical session** on "Smart Mobility Zone Planning including IPT" was delivered by Dr Arpan Patra, Consultant, CEEW and Mr Apaar Srivastava, Consultant, CEEW Lucknow. They presented a case of planning Low Emission Zone (LEZ) in urban centres with a major focus on linking the IPT and PT systems in these areas.

The workshop concluded with an interactive session on "Mapping the learnings" moderated by Ms Shreya Jaiswal and Mr Samradh Singh Chauhan, CEEW. During this session, the participants were posed with specific contexts to react in terms of their responsibilities towards enhancing the IPT systems. This helped in creating a framework and understanding the level of integration required at different levels in solving the current problems of the IPT segment.

At the end, Ms Alka Singh, Deputy Director, RCEUS, Lucknow presented vote of thanks to the resource persons and participants of the programme.





CONCLUSION

The workshop highlighted various immediate and long term concerns of the city authorities with regard to the operations and planning of the Intermediate Public Transport System in the cities of Kanpur and Lucknow. There is a need for supporting infrastructure for the IPT services in form of stands, stops, parking etc. to curb the on street traffic congestion. Multimodal integration is another key requirement to ease the connectivity of public transport users of a city. Electric mobility is evident in this commercial space of medium sized transport operations of IPT. Various cities in India are gearing up for this transition through city level planning and policy measures; and thus should the cities of UP.

PARTICIPANTS

Overall 30 participants came from ULB's, Smart city, Transport Department, Nagar Panchayats and Cantonment Board of Lucknow, Kanpur.

COORDINATION

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

TRAINING PROGRAMME ON SANITATION & SOLID WASTE MANAGEMENT IN URBAN LOCAL BODIES

BACKGROUND

The Sustainable Development Goals (SDGs) place significant emphasis on sanitation, cleanliness and hygiene. Decades ago, Mahatma Gandhi said that 'sanitation is more important than political freedom'. The management of municipal solid waste in India has surfaced or continued to be a severe problem not only because of environmental and aesthetic concerns but also because of the enormous quantities generated every day. Even though only 31% of Indian population resides in urban areas, this population of 377 million (Census of India, 2011) generates a gigantic 1,43,449 metric tonnes per day of municipal solid waste, as per the Central Pollution Control Board (CPCB), 2014-15 and these figures increase every day with an increase in population. To further add to the problem, the total number of towns (statutory and census) in the country have also increased from 5,161 in 2001 to 7,936 in 2011, thus increasing the number of municipal waste generation by 2,775 within a decade. The management of municipal solid waste is one of the main functions of all Urban Local Bodies (ULBs) in the country. All ULBs are required to meticulously plan, implement and monitor all systems of urban service delivery especially that of municipal solid waste. With limited financial resources, technical capacities and land availability, urban local bodies are constantly striving to meet this challenge.

The launch of Swachh Bharat Mission on 2nd October 2014 by the Honb'le Prime Minister Shri Narendra Modi was a historic moment for India that aims to provide basic infrastructural and service delivery with respect to sanitation facilities to every family, including toilets and adopting the scientific methods to collect, process and disposal of municipal solid waste. The mission focuses on quality and sustainability of the service provision as well as emphasizing on the commitment on every stakeholder to bring about a visible change in society. Now the mission is being extended for a period of 5 (five) years from 1st October 2021 to 1st October 2026, as Swachh Bharat Mission (Urban) 2.0 (SBM-U 2.0), for completing the work

List of Online Training Programmes		
Date No. of Participants		
06 August 2022	30	
08 August 2022	24	
10 August 2022	15	

remaining, institutionalizing 'swachh' behavior and making it sustainable. The Government of India in partnership with States/ UTs and ULBs is committed to make all cities 'Garbage Free' under SBM-Urban 2.0 in order to contribute to the achievement of the Sustainable Development Goals (SDG) 2030, which will ultimately improve the quality of life and ease of living of urban populations, thus leading to urban transformation. SBM–U 2.0 will be implemented by MoHUA through States/ UTs in all statutory towns.

Solid waste is defined as discarded solid fractions, generated from domestic units, trade centres, commercial establishments, industries, and agriculture, institutions, public services and mining activities. Characteristics of waste vary based on place of generation and season in which it is generated. The Central Public Health and Environmental Engineering Organisation, the technical wing of Ministry of Urban Development has classified solid waste in fourteen categories based on source, origin and type of waste.

These include domestic waste, municipal waste, commercial waste, institutional waste, garbage, rubbish, ashes, bulky waste, street sweepings, dead animals, construction and demolition waste, industrial waste, hazardous waste and sewage waste (CPHEEO, 2000). A solid waste management (SWM) system includes collection, segregation, transportation, processing and disposal of waste. Against this backdrop, RCUES, Lucknow organized three, one day workshops on "Sanitation & Solid Waste Management in Urban Local Bodies with the following objectives:

OBJECTIVES

• To acquaint the participants with the need, importance, and objectives of SBM 2.0.

- To acquaint the participants with the need, importance, and objectives of Solid Waste Management & Garbage Free City under SBM 2.0.
- To acquaint the participants with the need, importance, and objectives of Faecal Sludge & Septage Management as new component of SBM 2.0.
- To aware the participants with different types of Treatment and Reuse of Used Water
- To aware the participants with the concept of Participatory Planning and IEC

PARTICIPANTS

The participants of the training programme were Executive Officers, Sanitary & Food Inspector etc. In total 69 participants attended the trainings.

COORDINATION

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

TRAINING ON UTTAR PRADESH STATE SEPTAGE POLICY & USED WATER MANAGEMENT

BACKGROUND:

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

Nonetheless, stakeholders from ULBs may need help in deciphering the technical aspects of these Policy and operational guidelines. The referred Septage Policy and the Used Water Management component under SBM 2.0 have laid out clearly the implementation plan with time bound achievement of the targets. The workshops on Septage Management Policy and Used Water Management are a first step towards capacity building of all ULBs of Uttar Pradesh and implementation of this policy and SBM 2.0 guidelines. These workshops will inform all Municipal Bodies about the newly introduced policy and encourage them to prepare City Sanitation Plan for each of the ULBs and actively implement policy and SBM 2.0 initiatives in a timely and innovative manner.

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

OBJECTIVES:

- To acquaint the participants with the need, importance, and objectives of Used Water Management with special focus of Faecal Sludge & Septage Management as new component of SBM 2.0.
- To acquaint the participants with the need, importance, and objectives of Uttar Pradesh State Septage Management Policy-2019.
- To aware the participants with City Sanitation Action Plan.
- To aware the participants with different types of Used Water Management System On-site & Off-Site.
- To aware the participants with the Used Water Management Process – Containment/ Collection, Conveyance/Transportation, Treatment, and Disposal/Reuse.
- To highlight different technologies for Used Water Treatment with a comparative study of different



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technologies.

- To aware the participants with Faecal Sludge & Septage Management with special focus on Co-• Treatment and additional methods.
- To aware the participants with Participatory Planning & IEC for effective Faecal Sludge & Septage Management.

List of Training Programmes			
Date	No of Participants	Venue	Coordinators
25 August 2022	38	Agra	Dr. Rajeev Narayan & Dr. Nasruddin
26 August 2022	33	Aligarh	Dr. Rajeev Narayan & Dr. Nasruddin
27 August 2022	24	Ghaziabad	Dr. Rajeev Narayan & Dr. Nasruddin
14-Sep-22	29	Fatehpur	Dr. Anjuli Mishra & Dr. A.K. Singh
15-Sep-22	25	Banda	Dr. Anjuli Mishra & Dr. A.K. Singh
16-Sep-22	31	Chitrakoot	Dr. Anjuli Mishra & Dr. A.K. Singh
20-Sep-22	25	Kanpur Nagar	Dr. Rajeev Narayan & Dr. Nasruddin
21-Sep-22	18	Kanpur Dehat	Dr. Rajeev Narayan & Dr. Nasruddin
22-Sep-22	45	Unnao	Dr. Rajeev Narayan & Dr. Nasruddin

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ONLINE TRAINING PROGRAMME ON DISASTER MANAGEMENT AND CLIMATE CHANGE

BACKGROUND:

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

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

List of Online Training Programmes		
Date	No. of Participants	
27 August 2022	26	
31 August 2022	28	

disaster response and rehabilitation has to be accorded top priority.

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

OBJECTIVES

- To discuss the national and state perspective of disasters and its management;
- To highlight the policy perspective and theoretical framework of prevention and mitigation of disasters;
- To examine the role of urban local governments in managing disasters in urban centres;



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- To highlight the initiatives and best practices in prevention, response and mitigating disasters in urban areas;
- To highlight the importance of urban resilience in the context of climate change, disasters, and environmental sustainability;

PARTICIPANTS

The online training was aimed at Additional/ Deputy / Assistant Municipal Commissioners, Executive Officers, Engineers, Urban Planners, Specialists of Environment, Sanitation and Pollution Control, Chief Sanitary Inspectors and Zonal Officers. In total 54 participants attended the training.

COORDINATOR:

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

TRAINING OF ULB OFFICIALS ON PREPARATION OF CITY SANITATION ACTION PLAN UNDER SBM 2.0

BACKGROUND:

The Swachh Bharat Mission 1.0 and 2.0 (launched in 2020) have spurred rapid development of sanitation services and infrastructure in Urban India since 2014. Faecal sludge and Septage Management (FSSM) is an affordable and easy approach considered vital to reach the ODF++ status that Indian towns and cities aspire to. The demand for FSSM services has increased, but the gaps in the skillset among government officials and sector professionals are still considerable.

To bridge this knowledge gap, WASH Institute, with support from USAID and in collaboration with BMGF is anchoring a three-year program intended at Skill Building in FSSM in Indian towns and cities. The "Skill Development in Fecal Sludge and Septage Management (FSSM) sector in Indian Towns and Cities", project aims to increase the number of skilled professionals in the Water, Sanitation and Hygiene sector at state, city and town levels across India and enhance access to people in safely managed disposal services through FSSM. In order to achieve this, WASH Institute is conducting various capacity building trainings/ certificate courses on FSSM across India through classroom training/ online training. This program was conceived with the vision of empowering more than 7000 urban local bodies in India. Eventually, we hope to see every town or city

equipped with basic sanitation services and systems to manage their Faecal sludge, Septage and wastewater independently. India's progress has been slow with respect to SDG 6, largely because sanitation systems are not catching up with the pace at which Urban India is developing, and this program gets the country a step closer to the promise of providing 100% sanitation for everyone. This particular training aimed to build the capacity of the ULB representatives on the preparation of City Sanitation Action Plan (CSAP) in Ranchi, Jharkhand and was delivered in collaboration with RCUES, Lucknow who has been supporting SUDA to address the challenges related to capacity building of ULBs and ensure participants are acquainted with the new operational guidelines.

Against this backdrop, RCUES, Lucknow organized a Training programmes for the ULB Officials on preparation of City Sanitation Action Plan on 01-03 September 2022.

OBJECTIVES

- To review CSTF formation /meetings and assess compiled status assessment reports of cities.
- To develop strategies of each technical sector (water supply, sewerage/ septage, storm water, solid waste and access to toilets) including governance and municipal finance) from identified issues.



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- identify, formulate, and prioritize key issues and vision of the for an effective action plan.
- Application of specialized tools for the selection of appropriate projects sites

PARTICIPANTS

The training was aimed at Additional/ Deputy / Assistant Municipal Commissioners, Executive Officers, Engineers, Urban Planners, Specialists of Environment, Sanitation and Pollution Control, Chief Sanitary Inspectors and Zonal Officers. In total 54 participants attended the training.

COORDINATOR:

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

TRAINING ON INTEGRATED WASTEWATER AND SEPTAGE MANAGEMENT (IWSM) IN COLLABORATION WITH NIUA, NEW DELHI

BACKGROUND

The launch of Swachh Bharat Mission (SBM) in 2014 ensured access to toilets to 100% of the Indian population, including urban areas, and encouraged by this success, Phase II of the Mission called SBM-U 2.0 was launched by the Government of India. Alongside the urban component of the Jal Jeevan Mission (JJM-U), the mission goes beyond the aim of eliminating open defecation in the country, by focusing on ODF+, ODF++ and Water+ protocols as laid down by the Ministry of Housing and Urban Affairs, GoI.

Faecal sludge and septage management as a solution to sanitation issues got traction after the National Policy on FSSM was released in 2017. The SBM-U 2.0 and JJM-U supplement this policy by focusing on pollution abatement through Interception of Drain (I&D) projects to transfer the wastewater generated in cities to Sewage Treatment Plants (STP). Under the SBM-U 2.0 and JJM-U financing component, the wastewater treatment funds would be allocated for desludging vehicles, interception & diversion of drains and for STPs with co-treatment of faecal sludge and septage at the STP.

I&D projects linked to STPs have been implemented in India before and although it takes less time for project implementation, the approach has its own challenges. Understanding the city profile, drains and change in seasonal discharge of the drains and rivers is quite critical.

Especially small and medium towns, with limited capacities and resources, face problems in planning and execution of projects. They do not have adequate capacities and technical know how on planning, executing and maintaining such projects. Moreover, there is a need to ensure that these projects are not treated merely as infrastructure building projects but as regional planning projects as well. Only then the economic feasibility and true benefits of such projects can be realized.

There are many I&D projects in India which should be studied diligently in order to avoid implementation challenges and mitigate the risks associated with the project planning and execution.

In this context RCUES Lucknow in collaboration with NIUA, New Delhi organized three, Training Programme on Integrated Waste Water and Septage Management.

OBJECTIVES

- To orient the participants about holistic Sanitation approaches on planning, implementation and management of wastewater and septage treatment solutions.
 - How to prepare feasibility plan?
 - How to select appropriate technology solutions (mechanized/ non mechanized)?



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LIST OF ONLINE WORKSHOPS			
Date	No. of Participants	Venue	
05-07 September, 2022	27	Lucknow	
12-14 September, 2022	35	Ranchi	
19-21 September, 2022	35	Ranchi	

• To orient the participants about eradication of hazardous entry into sewers and septic tanks, and sustaining elimination of manual scavenging, through mechanization of sewer and septic tank cleaning operations

SESSIONS

The training is designed to allow the officials to prepare/assess the wastewater management plans. This training is crucial for officials of cities to be able to achieve objectives under SBM-U 2.0.

The training focused on the SBM-U 2.0 program and IWSM component of the same. The training will provide a framework for feasibility and assessment, technology selection options, planning and implementation for the wastewater and septage treatment in towns. The participants of the training programme were given a brief introduction about Fecal Sludge and Septage Management. Participants were apprised about the Integrated Waste Water and Septage Management and Approaches for Waste Water Management. Approaches for Faecal Sludge and Septage Management.

The training comprised of case studies of various ULBs who have successfully implemented the systems based on Integrated wastewater management and septage management.

PARTICIPANTS

Training Program was organized for Municipal Commissioner, Executive Officer, Chief Engineers, Executive Engineers, Assistant Engineers, City Managers, DPM, Urban Planner and Solid & Liquid Waste Management Experts etc. In total 97 participants attended the programme.

COURSE COORDINATOR

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

RCUES IN NEWS



कि नगर-निकासी को साफ और सुंदर बताता है। समसत नगर पालिका, नगर पंचायत के अधिकारियों-कर्मचारियों के साथ का रणनीति बनाई। बुहुकवार को नगर विकास विभाग मुहुक दे क्षेत्री के नगर विकास विभाग मुहुक यार के नगर विकास विभाग मुहुक या रखे पर्यादर ना के स्वार

क्षत्राय नगर एव पंचावरण मनज़बट व प्रस वन केंद्र लखनऊ के तत्वाधान विचार-विमर्श : दिवसीय कार्यशाला का तरह से साफ-स् जन हुआ। कार्यशाला का सकता है। टोस

4दु उप्र राज्य सेटेज ट व युस्टरीपी के उदेश्वों पर श्विमलें हुआ शहर को किस प्राप्त-युश्वरा ब नाया जा है। दोस अपरीश ट तकनीक स्मर्डी सिंह ने प्रशिक्षण

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ान रहीएम ने अस्ती आनकारी साहत की। को लेकर मंधन चला। स्वच्छ भारत भी कि लेकर मंधन चला। स्वच्छ भारत भी कि त्या कि प्रार्था सार्थाक्ष हुई। साह कार्यों को प्रार्था सार्थाक्ष हुई। प्रार्था सिन्द्र ये जीकरण दिवा। इस्त जनसः

ड्यर्रसाल में मोजूद जिले के सभी नगर निकायों के इंजो मौके पर एहीएम मजेंद्र कुमार, कन्नी नगर पालिका की ईओ नीलम नीवर्षों, दुखरायन की ईओ नीलम सिंह, जिबरामक के देओ से सिंह, जिबरामक के देओ सुरे कुमार, समधन नगर पंचायत को

यूसड वाटर प्रबंधन की

पर्यावरण अध्ययन केंद्र लखनऊ द्वारा एक दिवसीय कार्यशाला का आयोजन

संदेश वाहक न्यूज

कन्नौज। नगर विकास विभाग उत्तर प्रदेश ने क्षेत्रीय नगर एवं पर्यावरण अध्ययन केंद्र लखनऊ द्वारा जनपद कंत्रौज की सभी नगर पालिका/ पंचायत के अधिकारियों, कर्मचारियों के लिए एक दिवसीय कार्यशाला का आयोजन किया गया । कार्यशाला का मम्य्य विषय उत्तर

लिसी एवं

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स्याओं पर

। साथ ही



स्वच्छ भारत मिशन के द्वारा होने वाले मुख्य कार्यों की प्रगति की समीक्षा की गई । कार्यक्रम के विशिष्ट अतिथि अपर जिलाधिकारी वि/रा. थे । क्षेत्रीय नगर एवं पर्यावरण अध्ययन केंद्र के उप निदेशक राजीव नारायण, नसीरुद्दीन , एस.डी. सिंह द्वारा प्रशिक्षण दिया गया ।

यूज्ड वाटर प्रबंधन की कार्यशाला

प्रतापगढ़। क्षेत्रीय नगर एवम पर्यावरण अध्ययन केंद्र लखनऊ की तरफ से प्रतापगढ़ की नगर निकायों हेतु कार्यशाला आयोजित किया गया, जिसका थीम उत्तर प्रदेश राज्य सेप्टेज पालिसी एवम यूसड वाटर प्रबंधन है। इस कार्यशाला में स्वच्छ भारत मिशन 2.0, यू०पी0 स्टेट सेप्टेज मैनेजमेंट पालिसी, सिटी सैनिटेशन एक्शन प्लान, ऑनसाइट मैनेजमेंट, ऑफसाइट मैनेजमेंट, ट्रीटमेंट ऑफ यूज वाटर आदि पर विस्तृत जानकारी डॉ एस डी सिंह हिमांशु चंद्र, डॉ नसरुद्दीन के द्वारा दी गयी, जिसमें प्रतापगढ़ नगर पालिका परिषद के अधिशासी अधिकारी मुदित सिंह, पट्टी के अधिशासी अधिकारी मनोज प्रियदर्शी, अंतु की अधिशाषी अधिकारी पद्मजा मिश्रा, कटरा की अधिशाषी अधिकारी अंजू यादव, नगर पालिका के सफाई निरीक्षक संतोष कुमार सिंह, राजस्व निरीक्षक लालबहादुर एवम राजेश बिंद, स्वच्छ भारत मिशन के डी पी एम करण सिंह, डी सी आशीष मिश्रा, नगर निगम के जे ई और अन्य अधिकारी एवम कर्मचारीगण उपस्थित रहे।



यूसड वाटर प्रबंधन की कार्यशाला में मौजूद ईओ नगर पालिका मुदित सिंह

स्वतंत्र चेतना

प्रतापगढ़। क्षेत्रीय नगर एवम पर्यावरण अध्ययन केंद्र लखनऊ की तरफ से प्रतापगढ़ की नगर निकायों हेतु कार्यशाला आयोजित किया गया, जिसका थीम उत्तर प्रदेश राज्य सेप्टेज पालिसी एवम यूसड वाटर प्रबंधन है।

इस कार्यशाला में स्वच्छ भारत मिशन

2.0, यू०पी० स्टेट सेप्टेज मैनेजमेंट पालिसी, सिटी सैनिटेशन एक्शन प्लान, ऑनसाइट मैनेजमेंट, ऑफसाइट मैनेजमेंट, ट्रीटमेंट ऑफ यूज वाटर आदि पर विस्तृत जानकारी डॉ एस डी सिंह हिमांशु चंद्र, डॉ नसरुद्दीन के द्वारा दी गयी, जिसमें प्रतापगढ़ नगर पालिका परिषद के अधिशासी अधिकारी मनोज प्रियदर्शी, पट्टी के अधिशासी अधिकारी मनोज प्रियदर्शी, अंतु की अधिशाषी अधिकारी पद्मजा मिश्रा, कटरा की अधिशाषी अधिकारी अंजू यादव, नगर पालिका के सफाई निरीक्षक संतोष कुमार सिंह, राजस्व निरीक्षक लालबहादुर एवम राजेश बिंद ,स्वच्छ भारत मिशन के डी पी एम वरुण सिंह, डी सी आशीष मिश्रा, नगर निगम के जे ई और अन्य अधिकारी एवम कर्मचारीगण उपस्थित रहे।

काम नहीं करेंगे तो बाहर का रास्ता दिखा देगी सरकार

 कार्यशाला में डिप्टी खयरेक्टर ने निकाय कमियाँ को दिखाया अहना णानी सहकों को कर रहा वर्षाद, हीएम ने दिए रवत्छता के ट्रिस

नालो पर अतिक्रमण न होना बेहद जरूरी है। लोग अब यह बात समझने भी लगे हैं। उन्होंने कहा कि स्वच्छता अभियान को सफलता को समझने के लिए हम सभी को मानस्कि रूप से तैयार होन पडेग। असिस्टेंट डायरेक्टर डा. नसरुद्वीन, सलाहकर एसडी सिंह आदि ने भी विचार व्यक्त किए। नगर पालिका के अधिशासी अधिकारी रविंद्र कुमार आदि मौजुद रहे।

स्वच्छ भारत मिशन के द्वारा वाले मुख्य कार्यों की प्रगति

क्षेत्रीय नगर एवं पर्यावरण

अध्ययन केंद्र के उप निदेशक श्रं

जन्मपत्त कद्र क उप लिदशक श्र राजीव नारायण, श्री नसीरुद्दीन श्री एस.डी. सिंह ने ठोस व

समीक्षा की गई।

ाहोटो - भ्यान तिनार



भोटा निर्मे में सुर प्रति के संतुलने बिगड़ गया और बहे दिविर बेनान की नदेश दिए गए है। जिसका का कि कि के मांग से बाहर निवीध ना रायन साथ में मेगा में शिरे युवक को गंगा से बाहर निवीध ना रायन साथ में मनरण

> मियें से स्वच्छता ल किए जिसके पाए। जिलाधिकारो ने कहा कि पानी नुकसान पहुंचाता छ रखने के लिए



अब कूड़ा मुक्त होगा शहर, हर घर में पहुंचेगा शुद्ध जल

अमुरावविषर, कन्माञं बहद तरुग है। सासव, धन का सम्पर्वण्यं गरानिश्वर से से वे दुई अमुन 2.0 योजना के तहत हर घर हुई है। इनसे जुड़ी समस्याओं का में पीने का युद्ध पनी पहुंचेन और गुणवतापूर्ण निस्तारण स्वच्छता सर पूर्व तर से कुन्म हमेशा अधिपान की सफलता के लिए यह सब किया क्षेत्रीय नगर प्युं जुरुहों है। इससे पहले से संस्था यह सब किया क्षेत्राय नगर (एवं करूरी हो इसमें पहल संस्था) पर्ववरण अध्यम इंट स्वाइन के के निरोक डॉ. एकं मुरता ने माध्यम से। इस संबंध में शुक्रवार अनिताइन माध्यम से उपस्थित को एक होटर में उग्र. याय सेटन लोगों को कार्याताल के उद्देष की सोलिसी एवं युव्य टार प्रबंधन ना कलासी दी। बाताय कि सरकार नियमक कार्याता का आयोवन के अनून 2.0 का उद्देश हा पर में किया गया।

आयाजन

किय गया। पीने का पनी पूर्वाना है। अंशे कि को कुछा मुझा किया जना है। कानने की कार्याजना थे है। एसने में भारतमूथ जनवारियां साग्र कार्याताल का प्रसार विश्वार रह कोतन कई शहर तक सीतित सफे लिए पुरा कार्याजन जेकर जर विश्वासों ने में देने भेने स्टे को भाने निकास के अध्याया अंत्रिये अपर विलाधिकारी गर्दर था। अब सं अन्य सारों में भी को जाएंगी। इती ततर से रत्तर पर विलास श्रेष्वाचा भी जिसा के अध्याया अंत्रिये अपर विलाधिकारी गर्दर था। अब सं अन्य सारों में भी को जाएंगी। इती ततर से रत्तर पर विलास श्रेष्वाचा अधिकारी, सपर्य राग्र निश्चास के अधिका प्रसार मों के पर लागू विश्वा का तही ह जावा कि अव्हीयर प्रसंभ किया जाएंगा। स से नार प्रतिकार भवाता के देखा सुपरिदेर, रोल्यू इंग्लेस्टर, उन्होंने काकि की त्या के पार लागू प्रख्या के प्रसार को रेश के रोट ने ने नेने से भेर प्रतिकार की अध्यात के से स्ट करनतों के साथ स्वच्छता भी उसका नित्वारण करते हुए शहरों मत्लब दे सात में राहाल में वाली. आयंत्रिता कार्यप्राला में सेप्टे जी अंगर रही

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(आज समाचार सेवा) बिठ्र, 20 सितम्बर। कानपुर नगर जनपद की नगर निकायों के लिए केंद्र, अध्ययन लखनऊ (आवासन एवं शहरी कार्य मंत्रालय) भारत सरकार द्वारा एक दिवसीय कार्यशाला का आयोजन

संयोजक दिग्विजय सिंह, अवर अभियंता जल,



कार्यशाला में शामिल हुए लोग।

आवास विकास परिषद कानपुर से अवर अभियंता विनोद कुमार साह एवं अनिल कुमार श्रीवास्तव, जल निगम कानपुर से अवर अभियंता अतुल कुमार, राहल तिवारी सहित अन्य अधिकारियों एवं कर्मचारियों द्वारा प्रतिभाग किया गया। कार्यशाला का संचालन केंद्र के उप निदेशक डॉक्टर राजीव नारायण व सहायक निदेशक डॉ.नसरुद्दीन, कंसलटेंट एस.डी. सिंह द्वारा किया गया।



उत्तर प्रदेश राज्य सेप्टेज पॉलिसी एवं युज्ड वॉटर मैनेजमेंट विषय पर क्षेत्रीय नगर एवं पर्यावरण किया गया।

कार्यशाला में स्वच्छ भारत मिशन उत्तर प्रदेश स्टेट सेप्टेज पॉलिसी, सिटी सैनिटेशन एक्शन प्लान, यूज्ड वॉटर ट्रीटमेंट, पब्लिक पार्टिसिपेशन सहित अन्य उपयोगी

विषयों पर जानकारी दी गई। कार्यशाला में नगर पालिका परिषद बिल्हौर के अधिशासी अधिकारी विवेक कमार त्रिवेदी, नगर पंचायत बिठूर के अधिशासी अधिकारी डॉ. विनय शुक्ला, नगर पंचायत शिवराजपुर के अधिशासी अधिकारी प्रवीण कुमार दुबे, जल संस्थान कानपुर के महाप्रबंधक के.पी. आनन्द एवं अधिशासी अभियंता लालमणि त्रिपाठी एवं प्रमोद जौहरी, एसबीएम जिला



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पब्लिक पार्टिसिपेशन सहित अन्य उपयोगी विषयों पर जानकारी दी गई । इस दौरान उपनिदेशक राजीव नारायण उपनिदेशक नसुरुद्दीन कल्सन्टेन्ट एमडी सिंह नगर पालिका परिषद उन्नाव के अधिशासी अधिकारी ओम प्रकाश मौरावां के प्रेम नाथ पुरवा के अधिशासी अधिकारी केएने पाठक हैदराबाद के अधिशासी अधिकारी अक्षय कुमार सिंह औरास के अधिशासी अधिकारी मनोज कमार करसठ के अधिशासी अधिकारी निर्भय नारायण गंगाघाट के अधिशासी अधिकारी एनेएमे ासी अधिकारी दीपक श्रीवास्तव बांगरमऊ के अधिशासी अधिकारी

स्वतंत्र भारत संवाददाता नवाबगंज उन्नाव। जनपद की नगर निकायों हेतु उत्तर प्रदेश राज्य सेप्टेज

पॉलिसी एवं युज्ड वॉटर मैनेजमेंट विषय पर क्षेत्रीय नगर एवं पर्यावरण अध्ययन केंद्र लखनऊ आवासन

एवं शहरी कार्य मंत्रालय द्वारा एक दिवसीय कार्यशाला का आयोजन पक्षीबिहार मे किया गया। जिसका

उद्घाटन ईएके गुप्ता अपर निदेशक आरसीयईएस लखनऊ द्वारा किया गया। कार्यशाला में स्वच्छ भारत

धशासी अधिकारी सुनील कुमार सफीपुर के अधिशासी अधिकारी राम धिशासी अधिकारी विजेता गुप्ता जल निगम उन्नाव के सहायक अभियंता 1 कुमार अवर अभियंता पवन त्रिवेदी नगर पालिका के सफाई एवं खाद्य पीएमे अभिषेक राय डिस्टिक्ट कोऑर्डिनेटर श्री प्रवीन सिंह मौजद रहे।

निकाय कर्मियों के साथ कार्यशाला के दौरान चर्चा करते अधिकारी। • हिन्दुस्तान

क्षेत्रीय नगर एवं पर्यावरण अध्ययन केंद्र लखनऊ द्वारा कार्यशाला का हुआ आयोजन

तारी एन.एम.मिश्रा, स्सूलाबाद मधिशासी अधिकारी दीपक तथ, बांगरमऊ के अधिशासी

कारी सुनील कुमार, शासी अधिकारी राम

अभिकारी पंकज पटेल, न्यौतनी के

कुरसठ के

सफीपर के अधिशासी

ৰু অভিযোগ হিচ

कुमार वर्मा, एवं अमित अभियंता पवन त्रिवेदी,

पुष्कर, डी.पी.एम. अभिषेक डिस्ट्रिक्ट कोऑर्डिनेटर प्रवीन

के सफदं एवं खादा

बाव। जनपद की नगर निकायों हेतु तर प्रदेश राज्य सेप्टेंज पॉलिसी एवं ज्ड वॉटर मैंनेवमेंट विषय पर त्रीय वगर एवं पर्यावरण अव्ययन द्र, लखनक (आवसन एवं शहरी) में मंत्रारत्य भारत सरकार) द्वारा क दिवसीय कार्यवाला का राजेवर किल्प प्रारा संपत्तार) द्वारा ादयसाय कार्यसाला का योजन फिया गया। इस कार्यवराखा उद्ध्यादन ई. ए.के.जूब, अप्र: हेशक, अत्र: सी.यू.ई.एस., जनक द्वारा किया क्या तथा पंडम कर देशक की नार्यसा एवं पंडम विदेशक, डी.नार्वरीन एवं यमक विदेशक, डी.नार्वरीन एवं सल्टेंट एस.डी.सिंह ड्वारा किया ॥ कार्यराखा में स्वयन्त्र भारा किया ॥ कार्यराखा में स्वयन्त्र भारा व , डॉ.नसरुइ, फ्रिंट द्वारा जि च्छ लटट एस.ख.1सह द्वारा किया । कार्यशाला में स्वच्छ भारत न 2.0, उत्तर प्रदेश स्टेट सेप्टेज १सी, सिटी सैनिटेशन एक्शन ग, गलटा सागटरांग एपरांग यूज्ड वॉटर ट्रीटमेंट, पब्लिक त्येशन सहित अन्य उपयोगी पर् जानकारी दी गई।

जागरण संवाददाता, फर्रुसावाद : क्षेत्रीय नगर एवं पर्यावरण अध्ययन केंद्र को ओर से गुरुवार को बढपुर स्थित होटल हिन्दुस्तान में उत्तर प्रदेश राज्य सेप्टेज पालिसी एवं युज्ड वाटर प्रबंधन कार्यशाला का आयोजन किया गया। डिप्टो डायरेक्टर डा. राजीव नारायन ने निकाय कमियों से कहा कि वह हरा नहीं रहे हैं। अच्छा

के नियमों का पालन कराना एनउ

अधिशाषी अधिकारियों की कार्यशाला का

📕 स्वच्छता के लिए सेप्टेज प्रबंधन विषय पर चर्चा हई 📕 सीवेज ट्रीटमेंट करने के लिए दी गई जानकारियां

करने के साथ उसके रखरखाव पर चर्चा हुई। घरों से निकलने वाले सीवेज स्लज को टीटमेंट करने के लिए कई जानकारियां भी दी गई। इसके अलावा एनजीटी के नियमो का पालन न करने वालो पर विभागीय व नियमानुसार कार्यवाई किए जाने की चेतावनी देते हए जागरूकता करने कही। इस मौके पर समस्त ईओ समेत कर्मी रहे।

शहरों को साफ सथरा बनाने तथा नगरीय व्यवस्था में सुधार कर नगरीय जीवन को बेहतर बनाने के लिए विचार-विमर्श करते हुए कार्यशाला का आयोजन किया गया है। नगरीय निकाय निदेशालय के निर्देश पर स्वस्थ शहर, स्वच्छता की नई लहर के संकल्प के साथ शहरों में समावेशी स्वच्छता के लिए सेप्टेज प्रबंधन विषयक पर चर्चा हई।

त्वाबगंज/उन्नाव.

संवादताता।

नवाबगंज ब्लॉक क्षेत्र के निकट पक्षी बिहार में आयोजित राज्य सेफ्टी पॉलिसी एवं यूज्ड वाटर मैनेजमेंट कार्यशाला के दौरान साफ सफाई की रणनीति तैयार की गई है। कार्यशाला का आरसीयूईएस के अपर निदेशक एके गुप्ता व कंसलटेंट एसडी सिंह ने शभारंभ किया। इसके बाद जनपद के सभी निकायों के मौजूद अधिशासी अधिकारी व कमियों से बात कर कई बिंदुओं पर चर्चा की। स्लज कैसे निस्तारित किया जाए। नालों की सफाई में किस तरह ध्यान दिया जाए। शहर के कुडे के ढ़ेरों को ख़त्म करने के लिए किस तरह रणनीति तैयार की जानी चाहिए इसके अलावा आदि मामलों पर चर्चा हुई है। शहर में बना एफएसटीपी प्लांट का क्रियान्वयन

> एक दिवसीय कार्यशाला का हुआ आयोजन

> > सैनिटेशन एक्शन प्लान, युज्ड वॉटर

ट्रीटमेंट, पब्लिक पार्टिसिपेशन सहित

अन्य उपयोगी विषयों पर जानकारी दी

गई। कार्यशाला में नगर पालिका परिषद

उन्नाव के अधिशासी अधिकारी ओम

प्रकाश, मौरावां के प्रेम नाथ, परवा के

अधिशासी अधिकारी के.एन.पाठक.

हैदराबाद के अधिशासी अधिकारी

अक्षय कुमार सिंह, औरास के अधिशासी

अधिकारी मनोज कमार, करसठ के

अधिशासी अधिकारी निर्भय नारायण,

गंगाघाट के अधिशासी अधिकारी

एन.एम.मिश्रा, रसूलाबाद के अधिशासी

अधिकारी दीपक श्रीवास्तव, बांगरमऊ के

अधिशासी अधिकारी पंकज पटेल.

न्यौतनी के अधिशासी अधिकारी सुनील

कुमार, सफीपुर के अधिशासी

अधिकारी राम चरन मौर्या।

प्रभात मेदी नेटवर्क

उन्नाव। जनपद की नगर निकायों हेतु उत्तर प्रदेश राज्य सेप्टेज पॉलिसी एवं यज्ड वॉटर मैनेजमेंट विषय पर क्षेत्रीय नगर एवं पर्यावरण अध्ययन केंद्र, लखनऊ (आवासन एवं शहरी कार्य मंत्रालय भारत सरकार) द्वारा एक दिवसीय कार्यशाला का आयोजन किया गया। इस कार्यशाला का ऊद्रघाटन ई. अपर निदेशक ए.के.गृप्ता, आर.सी.यू.ई.एस., लखनऊ द्वारा किया गया तथा कार्यक्रम का संचालन केंद्र के उप निदेशक डॉ.राजीव नारायण एवं सहायक निदेशक, डॉ.नसरुद्दीन एवं कंसलटेंट एस.डी.सिंह द्वारा किया गया। कार्यशाला में स्वच्छ भारत मिशन 2.0. उत्तर प्रदेश स्टेट सेप्टेज पॉलिसी, सिटी











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