

NATIONAL INSTITUTE OF URBAN AFFAIRS

ANNUAL REPORT

2016 - 17



NATIONAL INSTITUTE OF URBAN AFFAIRS
1st & 2nd Floor, Core 4B, India Habitat Centre,
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Preface

The year 2016-17 is a watershed year in the history of the National Institute of Urban Affairs (NIUA). Completing 40 years of its existence, NIUA continues to be a premier policy think-tank and knowledge repository for its parent Ministry of Housing and Urban Affairs and the growing number of the stakeholders in the urban sector in India.

Anticipating a renewed interest in the urban sector in India and following its goal to provide integrated solution, NIUA has taken bold steps towards organizing itself internally and externally. The Institute has grown significantly in human resource strength & capabilities in the past year. It has completed, and secured new, and significant mandates from the Ministry as well as National & International partners along various verticals, headed by its senior research staff and other expert professionals. NIUA and its staff have been performing an active supporting role to the Government of India on all the urban missions (SBM, HRIDAY, Smart City & AMRUT), as well as emerging initiatives of the Ministry of Housing & Urban Affairs on a regular basis.

The Annual Report captures the work done by the full-time regular staff of the institute, assisted and supplemented by growing members of dedicated contract staff who are together enhancing the capabilities and achievements of NIUA.

We thank all our stakeholders for their encouragement and support to deliver integrated solutions for urban India.

Jagan A. Shah
Director

Place: New Delhi
Date : 31 March 2017

Members of Governing Council		
Vice President		
Dr. Sameer Sharma Additional Secretary (Smart Cities) Ministry of Housing and Urban Affairs Nirman Bhawan, New Delhi-110011		
Member Appointed as Ex-Officio		
Ms Jhanja Tripathi Joint Secretary & Financial Adviser Room No. 141 C-Wing, Ministry of Urban Development Nirman Bhawan, New Delhi 110011		
Elected Members		
Ex-Officio	Ms. Sunita Sanghi Advisor (Skill E&MU) NITI Ayog, Sansad Marg New Delhi -110001	
Founder Member	Shri Jag Mohan Bangla No. 1, Pt. Umashankar Dikshit Marg Chanakyapuri, New Delhi-110021	
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Co-opted Members		
Shri Cherian Thomas Country Director World Vision India 16, VOC Main Road, Kodambakkam, Chennai, 600024 Tamil Nadu	Ms. S. Aparna, IAS Principal Secretary to Hon'ble Chief Minister Chief Minister's Office Swarnim Sankul-1, 3rd Floor Sardar Patel Bhavan Gandhinagar (Gujarat)	Dr. Jyoti Parikh Executive Director Integrated Research Action and Development (IRDAde) C-80 Shivalik, Malviya Nagar, New Delhi-110017
Ms. S. Radha Chauhan, IAS CEO, Government eMarketplace (GeM) Jeevan Tara Building Parliament Street New Delhi -110003		Dr. Dinesh H. Brahmbhatt Director General Indulal Yagnik Institute for Public Policy and Strategic Studies, DJMIT Campus, NH-8, Near Sankara Eye Hospital, Mogar-388340, Anand-Gujarat
Member Secretary		
Professor Jagan A. Shah Director, NIUA 1st Floor, Core 4B, IHC, Lodhi Road, New Delhi-110003		

1.0 Background

The National Institute of Urban Affairs is a premier institute for research, capacity building and dissemination of knowledge for the urban sector in India. NIUA conducts research on urbanization, urban policy and planning, municipal finance and governance, land economics, transit oriented development, urban livelihoods, environment & climate change and smart cities.

Established in 1976, as an autonomous body under the Societies Registration Act, the Institute enjoys the support and commitment of the Ministry of Urban Development and Ministry of Housing and Urban Poverty Alleviation, Government of India, State governments, urban and regional development authorities and other agencies concerned with the urban sector.

The Institute is governed by a Governing Council which comprises of a President, appointed by the Government of India, two Vice Presidents, three officials of the Government of India and twelve other urban professionals and experts as members, and the Director, the Chief Executive of the Institute, as the Member-Secretary.

The Institute supports policy formulation, programme appraisal and monitoring for the Ministry of Urban Development and other Ministries and Departments of the Government of India and also undertakes research and capacity building projects with multilateral and bilateral agencies and private sector organisations.

The Urban Data Centre at NIUA promotes research and evidence based planning and management of the urban sector in India.

NIUA publishes Urban India, a bi-annual journal; Environment Urbanization ASIA - Journal (E&U-Asia) and 'सम्वाद' "Samvad" (Grihpatrika / Inhouse Hindi Journal)

A special book on "Recollecting 40 Years of NIUA" was published and distributed to NIUA's employees and other stakeholders along with Ministry of Urban Development.

2.0 Projects and Research at NIUA

2.1 Ongoing Studies

2.1.1: Migration in Indian Context

This research initiative to Strengthen and Harmonize Research and Action on Migration in the Indian Context (SHRAMIC) was funded by the Sir Dorabji Tata Trust (SDTT). It was jointly carried out by IGIDR, Centre for Policy Research and NIUA.

Papers are being reviewed to bring out in the compendium/book titled "Handbook of Internal Migration in India". "Understanding Migration Patterns and Migrant Experiences in Asia" was the theme of the March 2017 (8.1) issue of the Environment and Urbanisation Asia journal. The issue was online in March and printed in April.

Also, compiled district wise data on total workers and migrant workers in the construction sector and calculated the percentage share of migrants and state-wise percentage of construction workers registered with construction welfare board. Prepared a brief write up on migrant workers in construction sector as an input to a policy brief.

Coordinated with Ms. Meera Sethi from IOM for collaboration. Working on the migration tables of 2011 Census. Attended a roundtable on 'SHRAMIC: Background, Progress and Way Forward', at CPR, New Delhi, on 10 January, 2017; also, Participated in a workshop on 'SHRAMIC' at CPR on 27-28 March, 2017.

2.1.2: South Asia Urban Knowledge Hub

The South Asia Urban Knowledge Hub (the K-Hub) aims to increase the influence of evidence-based advocacy for urban policy and practice in South Asia. Presently consisting of the 4 countries Nepal, Bangladesh, Sri Lanka and India, the K-Hub will build a network of training and research institutions in the region and develop a forum for improving knowledge management within and between countries and regions. K-Hub activities will facilitate sharing of best practices in urban management, infrastructure and services delivery in South Asia and other regions and develop capacity for outcome-oriented research in the urban sector.

The concept note for Knowledge Product I on Inclusive Prosperity has been revised and now modified as multi-dimensional prosperity index for 20 smart cities. The draft knowledge product has been prepared. The Index has been presented in the launch workshop of the UK-India Joint Network of Sustainable Cities on 27th September 2016.

The second objective has been modified from non-networked innovative sanitation solutions to preparing guidance note for DEWATS for which the new concept note has been finalized with the comments received. Revised engagement strategy has been prepared with discussion with stakeholders and draft outline for the guidebook has been prepared and shared with ADB and comments have been incorporated. Interview with stakeholders to understand their need has taken place. After preparing outline for the guidebook and taking ADBs comments, the draft guidebook has been prepared and shared with ADB. After this, it has been finalized with comments and submitted.

The third Knowledge Product, which had a regional level deliverable to promote evidence-based research in India through standardisation and analysis of data on demographic, social and economic indicators, has now been changed to a national level database to align with the National Missions (Smart and AMRUT). Analysis of data and preparation of brief write-up and maps on the demographic and socio-economic condition of cities have been done. Draft Knowledge Product has been submitted and comments received. It is being finalized for submission.

Under the fourth objective of recommendations for revised urban planning curricula, revised engagement strategy along with case study based on new focus has been finalized after incorporating comments on the draft. The advisory inputs of an expert in this field were taken to finalise the technical methodology and draft recommendations. Stakeholder secondary and

primary survey has been done along with draft report outline. Final report is being compiled. Stakeholder workshop for dissemination will be held in May 2017.

K-Hub website is regularly updated with country pages being created and updated. Quarterly and bi-monthly report is shared regularly; May - July 2016, August - September 2016, October - December 2016 and January - March 2017 has been completed and shared with ADB. Regional VC held with full K-Hub team to discuss update on 9th November 2016, 31st January 2017 and 30th March 2017.

2.1.3: CIDCO Smart City Lab

CIDCO: The team updated the training calendar on the CIDCO Smart City Lab website and facilitated the participation of 21 CIDCO employees in international and national trainings and conferences. The Smart City Lab also facilitated knowledge exchange between CIDCO and other organisations, including Adelaide City Council and French transportation companies. The Smart City Lab submitted a Training Policy to CIDCO in February 2017. The policy that makes training mandatory for CIDCO employees was approved in March 2017.

National Smart City Mission: The team analysed SCPs of 33 smart cities (lighthouse and fast track) for various themes such as financial sustainability, public private partnership (PPP), integrated mobility, environmental sustainability and ICT beyond governance. The analysis result for 20 cities was shared with CII for a knowledge paper. The team prepared content for activities related to smart cities including posters for the Smart Cities booth at the exhibition in June 2016 in Pune to mark the first year anniversary of the mission. The team also prepared the competition brief for the design competition- "Smart Public Places in Indian Smart Cities" for the PMO.

Publications: The Smart City Lab published two newsletters (CIDCO@Smart newsletter- April to September 2016 and CIDCO@Smart newsletter-October 2016 to March 2017) and a Case Study Documentation of 10 Smart Cities. The team lead wrote an article on Bicycling in India for the European Cyclists Federation.

Events: Team members of the Smart City Lab participated in several workshops and events. Few of them are-

- Sustainable Cities conference (April 5-7), "CONNECTKaro 2016" by World Research Institute in New Delhi.
- BRICS Friendship Cities Conclave 2016 (April 14-16) as a MOUD, GOI representative.
- Invited talk on National Smart City Mission at Constitution Club organised by PRS Legislative Research (March 22, 2017)

2.1.4: Child Friendly Smart Cities

NIUA has partnered with the Bernard van Leer Foundation (BvLF) to develop knowledge and advocacy for Child-Friendly Smart Cities (CFSC) in India. This project is a three year engagement

between NIUA and BvLF that aims to promote policies and practices to make Indian cities more child and family- friendly. The goal of the project is to mainstream the needs of young children in Indian cities in a comprehensive manner and bring greater awareness amongst urban planners and policy makers about the interrelationship between a child's health and the build environment/ living conditions. The project focuses on interventions and advocacy related to the issue across four key theme areas - public health, safety and security, transportation/ mobility and living conditions. Governance aspects across the key theme areas will also be considered for greater convergence of various agencies to address children's needs.

As part of this initiative, a CFSC hub has been created at NIUA to promote knowledge driven, advanced and effective child friendly urban planning frameworks that will include children's perspective and encourage children's participation in the planning/ management of cities. The CFSC hub will focus on advocacy, policy interventions and provide technical support to city administrations working towards becoming child-friendly. It will support and guide CFSC Centres located in several cities to identify/ implement specific projects and help with training and capacity building of staff of city agencies and ULBs. The CFSC Centres in turn will support/ supplement urban planning and design capacities of City Development Agencies.

Key outputs for the period between April 2016 - March 2017 have been outlined below:

- Side Event at Prepcom 3, Surabaya, Indonesia: The CFSC team led and successfully organized a side event at Surabaya on the theme: "*Prioritizing Children and Youth within the New Urban Agenda*". NIUA played a key role in bringing a strong affiliate of global partners that included Cities Alliance, UN Habitat, World Vision International (WVI), UN Major Group from children and Youth (UNMGCY).
- A Baseline Report on children in Indian cities: Research on the Status of children in urban India, baseline *study 2016* was published and officially launched at the side event at Prepcom 3 in Surabaya. Areas of study includes Demography, Status of Education, Health and Nutrition, Living Conditions (access to water and sanitation, play spaces, impact of air pollution, urban mobility, crime against children and disaster risk reduction), Provisions for children in urban development policies and legal provisions for children in India.
- A Design and Planning Handbook for city planners, urban designers and architects - Indicators for CHILd friendly Local Development (I-CHILD) was completed in collaboration with Ecorys India Pvt. Ltd and launched at Surabaya along with the baseline report. This document provides a list of new and collated indicators under various typologies to capture the dynamic state of Indian cities with regard to child friendliness.
- The CFSC team contributed in the urban design chapter linking mobility and safety needs towards the Global Review of Transportation-Land Use Integration for Transit Oriented Development (TOD) for Indian Smart Cities, a document prepared by NIUA. Subsequently, CFSC team helped organize and participated in a consultation workshop for development of TOD in Indian Smart Cities on 3rd September 2016 at IHC, New Delhi.
- NIUA is preparing a proof of concept for an Interactive Spatial Decision Support System (ISDSS), which is a GIS Platform to correlate and analyze spatial/physical, environmental and health data. The Project conceived in partnership with the Rockefeller Foundation explores how data from related but traditionally non-correlated domains - urban planning and urban health - can be combined to create ISDSS that can enable timely, accurate and effective decisions especially in crisis situations.
- Review of Proposal and concept note on Child-Friendly City Resilience study - Surat proposed by Urban Health and Climate Resilience Center (UHCRC) - After review and careful

consideration of the proposal submitted by UHCRC, the CFSC team streamlined the scope to better align the deliverables of the proposed study with the objectives of the CSFC project. The proposed study aims to identify contextually appropriate indicators from the list of indicators that NIUA has prepared.

- A compendium of global best practices on Child Friendly Cities has been prepared and an advance copy was printed and shared at the Partners' Meet. The case studies considered are at three scales - at the country/strategy level, city level initiatives and initiatives by civil society or non-profit groups.
- CFSC team was selected out of 200 entries to represent the CFSC initiative at Ghent for an international conference on the theme "Child in the City". This international event and trade show was a joint project of the Child in the City Foundation and the European Network of Child Friendly Cities (ENCFC) scheduled at Ghent, Belgium from November 7-9, 2016. Subsequently, wrote a blog post about the paper submitted. The link for the blog is <http://www.childinthecity.eu/2016/07/04/india-explores-the-city-as-urban-play-lab-for-children/>
- Following the Urban Thinkers Campus, New Delhi, organized by NIUA, proceedings from Urban Lab 5: Prosperous Communities: Children and Youth, were shared with World Vision International (WVI) for presentation at the Children and Youth Constituent Group (CYPCG) in the General Assembly of Partners (GAP) in New York under WVI's engagement as co-chair of CYPCG in GAP.
- The micro site for the online repository was created under the NIUA website and uploading of the content was completed. The link to the website is as follows: www.cfsc.niua.org
- The CFSC team contributed towards the Game Changers in Transit Oriented Development (TOD), a document prepared by NIUA. The CFSC team worked on the form based code chapter linking mobility and safety needs for developing urban planning and design regulations for area based developments within the TOD framework. Further, CFSC team helped organize and participated in the international workshop on development of TOD Projects in Indian Smart Cities on January 13, 2017 at IHC, New Delhi.
- A CFSC team member attended Chandigarh urban observatory workshop, an UK-India joint network on sustainable cities and urbanization in India in order to expand the CFSC initiative's work through the urban observatory in Chandigarh, on January 17-18, 2017. A setting up of an observatory in Chandigarh has been initiated through the workshop.
- The CFSC team actively participated in the Cities for kids Urban 95, an international workshop on child friendly cities, February 2-3, 2017, New Delhi. The two-day workshop was organised by Bernard van Leer Foundation in collaboration with CII, where NIUA and Humara Bachpan Campaign were the key knowledge partners. The conference goal was to deepen the understanding of sustainable urban development, keeping young children in the center of planning and design.

2.1.5: Demographic, Economic and Social Structures of Different Sizes of Urban Settlements in India (Phase III - b)

The three year study has been compiled as an integrated report on Urban India and submitted to HSMI. A proposal titled "Status of Affordable Housing Programmes in Select States of India" for 2017-18 has also been submitted to HSMI.

2.1.6: The Sanitation Capacity Building Platform (SCBP)

The programme is a unique initiative to promote septage and waste water management in India. NIUA has set up a collaborative platform for Mainstreaming Faecal Sludge Management in the state level and national sanitation agenda. The programme is supported by the Gates Foundation (BMGF) and involved in activity based capacity building engagement with state governments and urban local bodies.

The SCBP includes expert Partner organisations (CDD, CEPT, ASCI, UMC, WASHi, AIILSG, Ecosan Foundation, iDECK, CPR, CSE and state and national nodal AMRUT training institutes in the country) and is also with the National Faecal Sludge and Septage Management Alliance.

Highlights of the work done in 2016-17:

- Undertaking a Capacity Needs Assessment of Faecal Sludge and Septage Management and a report with key findings and recommendations.
- Draft Urban Faecal Sludge and Septage Management Operating Guidelines for state of UP.
- Rajasthan Sanitation and Septage Assessment Report
- Supporting state of UP for undertaking town level septage and waste water assessments for all AMRUT towns (61) of UP, for the preparation of State Annual Action Plan (SAAP) budget preparation.
- Demonstrated proof of concept by model Detailed Project Reports (DPRs) preparation for the towns of Unnao (UP) and Bhagalpur (Bihar)
- Collaboration with RCUES Lucknow, for undertaking a set of Faecal Sludge Management (FSM) training programmes for town officials of Urban Local Bodies of UP, Bihar and Madhya Pradesh.
- Exposure visits of ULB officials to the Faecal Sludge Treatment Plant in Devanahalli Town, Bangalore.
- Preparation of Learning Material: Factsheet on FSM. Legal, Institutional aspects of urban sanitation for the states of Bihar and UP.

Programme Outcomes:

This was the first year of the three year programme on capacity building. It has resulted in creating a cadre of motivated senior state level and middle and junior level ULB staff in the state of UP. It has led to UP presenting the largest FSM intervention budget under SAAP for the remaining period of the Swachh Bharat Mission.

The Rajasthan Sanitation and Septage Assessment report provides a good platform for the state to initiate the setting up of treatment plants in a few towns and launching their own state level FSSM Policy.

The Capacity Needs Assessment Report provides a priority list of concrete actions that the state government and urban local bodies need to take in order to promote FSM. This is useful advocacy, learning and training material.

The platform has provided an opportunity to credible national agencies to come together and work with state governments and the ULBs through joint training programme sessions and in

preparation of learning material. The outcome has been mutually beneficial and more state governments and ULBs are approaching NIUA and the partners for support in fast tracking septage and waste water management. NIUA is now seen as playing a collaborative role in supporting several nodal training institutes in India, on developing their capacity and learning material and modules for promoting FSM in India in the years to come.

In 2017-18, SCBP will be focusing on promoting FSM capacity building in Rajasthan and some other states, and also supporting nodal training institutes in delivering material and instructors for providing FSM training support. Collaboration with international training institutes and in developing a rich set of learning material from state level case studies and research, to feed into higher level training modules is proposed.

2. 1. 7: Establishing of Geospatial Infrastructure at NIUA

The NIUA initiated the establishment of geospatial computing facilities to cater the need of geoinformatics support for all the ongoing projects.

GIS team initiated GIS & Remote Sensing data creation activities, collection of primary and secondary data for the same, Image processing, Geospatial analysis and establishment of GIS Server applications using Open Source Platform and started supporting other team members of NIUA in their ongoing Projects.

Following activities were undertaken by GIS team during last one year:

- Establishing of Geospatial Infrastructure at NIUA: GIS team completed complete installation of ARC GIS Software and server. GIS server is functioning successfully.

ISDSS - A web enabled GIS platform presenting Delhi city's schools resilience capacities: This interactive spatial decision support system application has been developed with funding support by the Rockefeller Foundation will be launched as beta version. A base map of Delhi city with information on population, social infrastructure is integrated with multiple thematic datasets related to departments involved in emergency support functions to extract vital information/data points for city administrator or official incharge of emergency management for hazard risk management. The integrated SDSS operates at city and ward/neighborhood level with schools as the unit for performing analysis.

- List of other Geospatial Database has been prepared during last one year are as follows:
 - Mapping the Location of Smart & Amrut cities, Demographic and economic data analysis and data linking, Preparation of thematic maps and charts.
 - Preparation of elevation and slope maps of coastal states of India, plotting of coastal cities, data linking and data analysis, Depth data analysis and preparation of Bathymetric maps
 - Maps of Landuse land cover, delineation of roads and rail network, water bodies, drainage and streams, location of ports and airports of India.
 - Watershed and Catchment area analysis of Brahmaputra river basin in Guwahati, Kamrup division, Assam - Hydro-geomorphic analysis - DEM, error filling, calculation of slope, flow direction, flow accumulation, delineation of watershed and stream ordering.

- Demographic data analysis of Urban Children of India, data linking, preparation of charts and thematic maps
- Mapping the Location of Light house, fast track, Round 2 cities and publishing in smartnet web portal
- Mapping of 500 AMRUT cities & 12 HRIDAY Cities and publishing in Google my map and linking with smartnet web portal
- Processing of Digital Elevation Model and preparation of relief map of India
- Preparation of thematic maps on urbanisation scenario in selected Asian countries
- Preparation of thematic maps of Vizac city
- Comparative analysis of selected SMART cities using cartograms
- Creation of various the thematic layers for heritage cities of Rajasthan
- Processing and analysis of Night light data from 1995 - 2010 to monitor the urban expansion of Urban centres of India. Mapping of Road network of India (National Highway, Golden Quadrilateral, State Highways) to analyse the role of transport network in the industrial/economic development in the urban centres of India.
- Mapping of all 4041 statutory towns of India (as per 2011 census).
- Mapping of municipal boundaries of Smart cities of India.

2.1.8: SmartNet

NIUA's proposal for setting up of a solution exchange for India Smart Cities Mission and AMRUT was approved by MOUD in March 2016. Estimated cost of this project as per office memorandum received is Rs. 3.64 Crore for a period from January 2016 to March 2019. This project is being funded through 2 percent A&OE of the Smart City Mission. Solutions Exchange 'Smartnet' was planned to be launched on June 25, 2016, one year after the launch of the Smart Cities Mission.

SmartNet Objectives

SmartNet is a flagship initiative of the MOUD under Smart Cities Mission. It is envisaged as a 'Solutions Exchange' for urban transformation of India with the following key objectives:

- 1) Providing a horizontal learning and knowledge sharing platform for exchange between cities, practitioners, academia, researchers and technologists;
- 2) Evolving a comprehensive framework to visualize and articulate the government's urban sector missions such as Smart Cities, AMRUT, Housing for All, HRIDAY and Swachh Bharat.

The portal was thus envisioned as a mechanism for knowledge sharing between 100 smart cities and 500 AMRUT cities and a portal to access urban sector resources from around the world. For this Smartnet initiated inclusion of the following features:

- 1) a database of global, Indian and locally developed smart solutions and frugal technologies which are packaged and presented in visually interactive manner, as well as a repository of best practices (Model RFP documents, Financial models, land monetization methods, SPV structures and practices, risk mitigation techniques, etc.)
- 2) a repository of e-learning modules and courses as well as a repository of open source web-based applications
- 3) a dashboard for weekly updated information on the progress of the SMART and AMRUT missions.

- 4) an overarching 'community of practice' comprising of city officials and practitioners who can form groups for interaction based on their interest areas, thus allowing for task related assistance from peers and expert mentors.
- 5) a training calendar, which will facilitate the development of a 'marketplace' for training, such that an official or technician from a city can easily access training or skill-development modules or courses that are most conveniently located and timed as per that individual's preferences

With the Content Management System developed in Drupal 7.0, the present structure of Smartnet has five key sections:

1. Execute: The Execute section provides an overview and implementation details for the key urban sector missions of the MOUD. It also provides information on various projects. Presently the focus for Smartnet has been the Smart Cities Mission, but the scope is planned to be expanded to other Missions of the Ministry of Urban Development too.
2. Learn: The Library Section Provides latest documents categorised in 10 different categories which are further sub-divided to provide a smooth search experience. The various documents include research studies, best practices, latest technological and managerial solutions, acts, policies, guidelines, manuals, toolkits, etc.

The Learning Modules Section provides information on upcoming online learning opportunities. Presently, E-Learning modules, MOOCs and other relevant videos that provide detailed information on relevant subjects have been included.

3. Opportunities: Smartnet allows Technological Innovators and the Industrial Sector to share their e-Brochures on the Products Gallery. The section also displays current and archived Tender Details, details of upcoming Training Programmes/Workshops shared by cities on Smartnet.
4. Connect: Smartnet encourages Government to Government (G-to-G) and Government to Business (G-to-B) and Business to Government (B-to-G) linkages for the urban sector in India enabling transparent and structured interactions between cities, businesses and institutions. The connect section provides the registered user to access basic profile information of other users. The connect feature would be linked to a discussion forum which will facilitate structured interactions between various stakeholders. Periodically, a relevant topic for discussion would be posted enabling all registered users to participate in discussions.
5. Contribute: Smartnet acts as a platform for crowd-sourcing of ideas and developing collaborative solutions for the urban sector, resulting in an eco-system which strives to promote and support Co-Creation at a national and global scale. To achieve this, the Contribute Section on Smartnet encourages its users to share relevant content to help build-up this ecosystem.

In addition to this, Smartnet has developed a MIS system for assisting the MOUD with regular Monitoring of Institutional Progress and Project Progress for the selected cities under the Smart Cities Mission. An entire database management system (separate from the Smartnet website) has been developed for this purpose. Only specific aspects of this are reflected on the Smartnet website.

Activities undertaken by Smartnet till March 31, 2017:

- 1) Total Number of Documents uploaded in the Library Section: 1000
- 2) Total Number of Documents uploaded in the Opportunities Section: 485
- 3) Number of Registered Users: 1100
- 4) Total number of Documents Contributed by Registered users: 400
- 5) City-wise MIS sheets monitoring the progress of individual projects as updated by the cities have been uploaded on the MIS database prepared by Smartnet Team.
- 6) Based on the MIS sheets, monthly progress reports were prepared by the Smartnet team for the review meetings chaired by the Secretary (UD) to deliberate upon the progress of the Smart Cities Mission. Follow-up with the cities for updating the MIS was also done for each month.
- 7) 2 Smart City Workshops on the 15th March 2017 and 22nd March 2017 were organised by MOUD and NIUA which were attended by representatives from the SPV and PMC of the 60 selected Smart Cities. Smartnet was presented as a Knowledge Management Platform in one of the sessions.
- 8) Smartnet has provided Technical Support for conducting 8 Webinars (Video Conferences) with the Smart Cities at the Ministry. The base datasheets for which were also prepared by the Smartnet Team alongwith the Smart Cities Mission Management Unit at MOUD.
- 9) Beginning 11th November, 2016, 5 newsletters have been published by Smartnet
- 10) In March 2017, Personalised Content Services was initiated under Smartnet. Weekly emails based on the preferences selected by the registered user and important updates are being sent to the registered users.
- 11) Preparation of the base work for geo-tagging of projects on GIS based maps is underway. This would form the base for the micro pages for individual cities.

2.1.9: AMRUT Capacity Building

NIUA is the designated strategic partner of the MOUD in capacity building and will provide single window services to the MOUD/States/ULBs. NIUA is involved in facilitating the dissemination of information on training modules, documenting best practices, monitoring the progress of training, and, most important, evaluating the benefits of training after completion of each training capsule of four months. This evaluation will be done for all the individual municipal functionaries over the one-year long training period and results will be shared with the training entities to make them review their training methods and modules, if necessary, to make the training more appropriate and relevant for the municipal functionaries.

After completion of the three-day training program by the training entities in the classroom, functionaries' will self-assess the training in the standard formats prescribed. Additionally, their supervisors will also assess the improvement in skills, attitudes and knowledge of the trainees. The self-assessment and supervisor assessment will inform NIUA and the training entity about the, (i) impact of the training on the knowledge, skills and attitudes of individual functionaries over their existing levels (baseline), and (ii) improvements in tasks-related performance. Importantly, the learning gained from such a real-time evaluation will be used by NIUA to disseminate lessons and design future activities for ULBs/States.

Also, NIUA will examine and approve, in consultation with National Mission Director, the rollout of all other components of the CCBP (e.g. workshops, seminars, visits, etc) and NIUA will also prepare an Annual Capacity Building Report in order to make mid-course correction in the

Capacity Building Plan. For this purpose adequate technical and human resources will be provided to NIUA from the Mission funds.

Since December 2015, NIUA has been performing the task of liaising with the empaneled training entities who are conducting the training programmes. The first workshop to discuss rollout and delivery of capacity building under the Urban Missions was held by NIUA on behalf of the MOUD in March 2016.

NIUA has prepared a Programme Outline for the Orientation Course as a guideline for the TEs.

NIUA also prepared the Training Needs Assessment (TNA) Format and the Feedback Forms to assess the training needs of the ULBs and the quality of training met. The TNA format has provided the necessary basis for designing the other two training modules in consultation with the state governments. A Training Calendar is being prepared by each state in consultation with the TEs.

Since 23rd January 2017, NIUA has been compiling weekly capacity building assessment reports of each training entities from available MIS of feedback and training need assessment reports. It also includes 2% sample of telephone interviews of participants who have attended the training programmes of the entities whose assessment was being done. Till 31st March 2017, CB assessment reports of 7 entities have been completed- WRI India, IIHS Bengaluru, YASHADA Pune, ATI Mysore, ESCI Hyderabad, CED and RUES Lucknow.

2.1.10: Innovation Hub for Urban WASH Solutions

NIUA in association with Taru Leading Edge, IRC and Ennovent, and with the strategic collaboration of YES BANK and Valluri Technology Accelerators, has initiated a project 'Innovation Hub for Urban WASH Solutions' since October 2016. This project is supported and funded by USAID. The project will support the development of scalable solutions for urban water, sanitation and hygiene in India within the national, regional, state and city framework. The hub will lead activities that support the national and state urban initiatives (AMRUT, SBM, SMART City Programs) and proactively engage with a wide range of partners, including the private sector, to discover and develop innovations and devise intervention strategies and business models for delivering effective, affordable and sustainable WASH solutions in the Indian context. The initiative will contribute significantly to achieving the recently adopted Sustainable Development Goals (SDG) 6: for clean water and sanitation to all, besides other SDG commitments and other national commitments by the Gol.

The primary goal of the initiative will be to improve urban WASH sector performance through incubation and acceleration of innovative solutions, technologies, programs and service delivery models within a collaborative framework. A core element of the initiative is to build partnerships with and between public, government (national/state/local), civil society, private sector stakeholders, academia, donors, etc. dedicated to establishing shared visions and improving WASH outcomes, as well as facilitating knowledge sharing among cities, states and national platforms. The project shall be piloted in three cities in three different states in India, over a period of 3 years.

A brief summary of the key project activities undertaken during this year are as follows:

- Project Initiation: Post submission of proposal the project was awarded to NIUA, TARU, IRC and Ennovent in the month of October 2016.
- Setting up the Strategic Team: A strategic project team was setup for the project. The team included senior members from each of the partner organisations.
- Setting up National Innovation Hub Team: The project initiated the recruitment process of placing the team members under national innovation hub team. Among the shortlisted candidates who appeared for the interview, the committee recommended five candidates for hiring.
- Selection of States and Cities: The project team prepared a list of nine prospective cities based on a set of parameters related to WASH coverage, investment potential, demand and others. After several rounds of discussions and recommendation from key stakeholders including Ministry of Urban Development and USAID, the following three States and Cities were finalised; Faridabad in Haryana, Udaipur in Rajasthan and Mysore in Karnataka.
- Project Baseline Study: To provide inputs for the planning, implementation and monitoring process of the project and fixing project targets, a baseline study was initiated at national, state and city level in the reporting period. The baseline study attempted to capture a detailed landscape of the policy, institutional, infrastructural and WASH scenario of the selected cities of Faridabad, Udaipur and Mysore.
- Annual Work Plan for October 2016 to September 2017: In this quarter, the IHUWASH team finalized and submitted the Annual Work Plan for the period October 2016 to September 2017 by identifying activities, mapping strategies and direction, timeline, outputs, resources, lead teams, risk and its mitigation, etc.

2.1.11: 14th Finance Commission Support Cell

This Support Cell was officially sanctioned on 23 February 2017, however, the work related to 14 Finance Commission had started much before it was sanctioned and support was provided to MOUD since the month of October 2016 with regard to assessing Basic Grant claims, Performance Grant claims and State-specific schemes, and any other support so required.

Objectives:

The 14th FC Support Cell is required to examine the municipal finance data and service level indicators and scrutinize information received from State Governments. It is also required to prepare an MIS and analytical report. The report will be based on necessary documents and certificates received from various State Governments. The Annual Report will be prepared and submitted to the coordination committee of the municipalities highlighting the improvement or decline in own revenue income and service level indicators of ULBs. In addition, it will also highlight issues related to Property Tax reforms and user charges reforms being adopted by State Governments and make a Best Practices Document based on good initiatives.

Activities Undertaken:

- The Performance Grant schemes of all the States, which were not cleared in the previous quarter were assessed, for the distribution of Performance Grant for the year 2016-17 to State Governments.
- Utilization Certificates of Basic Grants of various states were analyzed and suitable recommendations were provided to MOUD/ MOF for release of Basic Grant.
- Basic and Performance Grant Recommendation formats and certificates were prepared for the States which made claims for their respective Grants from time to time
- The status and data of all States with respect to their Basic and Performance Grant were maintained and updated regularly
- In addition to the above activities, support is given to MOUD in relation to 14th FC for all tasks such as restructuring of grants, advisory notes issued to States, capacity building for States to access their respective grants, as well as correspondence on behalf of MOUD
- Presentations were prepared for the FFC Coordination Committee Meetings held in February 2017.
- New Scheme for Performance Grant was drafted in consultation with MOUD. Various rounds of revisions of the Scheme were undertaken in consultation with MOUD and MOF. In New Scheme of Performance Grant, a Hundred mark criteria are developed to access the performance of the ULBs based on the three mandatory conditionalities of 14th FC's Performance Grant.

2.1.12: Climate Change Impacts, Vulnerability and Adaptation in Urban Settlements

The project is sponsored by the Ministry of Environment, Forests and Climate Change.

The main objectives of the project are:

- Identification of climate change impacts, vulnerability and adaptation needs in urban settlements
- To assess the impact of sea-level rise, heavy precipitation, extreme temperature, landslides, tropical cyclone, etc. on basic urban infrastructure (water, sewerage, solid waste management, drainage), transport, and built environment.
- Evaluate the cost of impacts on water, sewerage, solid waste management, drainage, transport, and built environment.
- To assess the institutional functions and capacities in dealing with climate change impacts, including with urban flooding particularly flash flooding.
- To mainstream climate change adaptation in urban policies (like Smart Cities Mission, AMRUT, Swachh Bharat, etc) and urban governance systems.

During the reporting quarter, preparations for the submission of Initial Status Report were undertaken. This included literature review of concepts and policies; and preparation of maps on exposure and risk to climate change events.

2.1.13 Research Study on Transit Oriented Development

The team members of Smart City Lab were part of the NIUA team that undertook and completed a 9-month project (June 2016 to February 2017)-Transit Oriented Development Framework for Indian Smart Cities- funded by UK Foreign and Commonwealth Office. The team also contributed to the study on Value Capture Finance conducted by NIUA. The team members also provided inputs to the Draft National Value Capture Policy and the National Transit Oriented Development Policy prepared by the Ministry of Urban Development.

The team members contributed to the four deliverables of the UK-FCO project on TOD Framework for Indian Smart Cities-(1) A global review of land-use-transportation integration, (2) A Smart(er) TOD, (3) Game changers in transit oriented development, and (4) Assessing TOD.

Events: TOD Team members organized & participated in the following workshops and events:

- National Consultation Workshop for Development of TOD in Indian Smart Cities (September 3, 2016)
- International Workshop for Development of TOD Projects Indian Smart Cities (January 12-13, 2017)
- Immersion visit to London as part of UK-FCO project on Transit Oriented Development (October 2-5, 2016)

2.1.14 World Bank-Cities Alliance Technical Assistance for Revitalisation of historic cities in India

The Technical Assistance (TA) from World Bank and Cities Alliance towards revitalization of historic cities of India is the subsequent phase of the Inclusive Heritage Based City Development Programme (2011 to 2014). There are three main components covered under the TA:

- Policy Mainstreaming and Knowledge Management
- Broad-based capacity support to States
- Technical Assistance in support to Cities

During 2016-17, at the National level, the team has supported HRIDAY mission in terms of technical evaluation of DPRS and six city workshops to facilitate works undertaken under HRIDAY. It also conceived and managed proposals for capacity building activities under HRIDAY and successfully completed national exposure visit of the HRIDAY city officials to Mumbai and Pondicherry. At the state level, the broad-based capacity support to Government of Rajasthan includes support to Rajasthan's State Heritage Program covering over 40 historic towns and cities in Rajasthan. The support includes three activities:

- Preparation of strategic urban revitalisation framework and guidelines for the state
- Institutional Strengthening in Urban Revitalisation
- Support to select cities/towns in preparation of Heritage management plan and project development proposals

The Strategic Framework and guidelines for urban revitalization under the State Heritage Program have been drafted and a State level workshop to disseminate the same has been concluded in July 2017.

Further, development of economic development strategies based on the heritage assets in a pilot region and institutional strengthening in urban revitalization at state level are the proposed activities in Karnataka. Also, an economic strategy for urban revitalization for Bhubaneswar region is proposed in Orissa. The overall timeline of the technical assistance is 30 months (PRIL 2016-September 2018) and the proposed activities are planned to be concluded within this timeline.

2.1.15 National Project management Unit (NPMU), HRIDAY, MoUD

NIUA has been nominated by the MoUD in December 2014 to manage the National Program Management Unit (NPMU) for Heritage City Development and Augmentation Yojana (HRIDAY), a scheme of the MoUD that offers opportunity for an integrated, inclusive and sustainable development of twelve heritage cities/towns in India. Some of the key components of the mission include heritage documentation and mapping leading to Heritage Management Plans, heritage revitalization linked to Service Provision, and, Knowledge Management and Skill Development for cities. As the NPMU, the Institute provides support to the National Mission Directorate, the States and the Cities for implementing the scheme, and, monitoring the progress and quality control of the activities funded by the Scheme.

During year 2016-17, all the DPRs worth INR 310 Crores covered under the scheme were completed. The evaluation process for the DPRs at both: technical committee and High Powered National Evaluation Committee (HMEC) level was also completed by December 2016. Various development works approved under HRIDAY funding are currently being undertaken at various HRIDAY cities by the respective Urban Local Bodies (ULBS). There is a Project management and Supervision Unit established in each city. This is the main monitoring mechanism of the MPMU during this stage of the program. The NPMU is monitoring the work progress as per the progress calendar proposed by the implementing agencies in their monthly progress reports.

Various capacity building activities including six city workshops, 2 national exposure visits and 2 national workshops have also been concluded in this year. The overall timeline of HRIDAY is December 2014 to March 2018.

2.1.16 Urban Observatory Initiative under UK-India Joint Network on Sustainable Cities

An Urban Observatory is a network of local stakeholders responsible for producing, analysing and disseminating data on a meaningful set of indicators that reflect collectively, prioritised issues on sustainable development. Data and information resources produced by the local network are used to support real-time decision-making and the formulation of better informed policies. An urban observatory is therefore a focal point for urban monitoring at the local level. There are international examples of local urban observatories in Vancouver, Bahrain, Cape Town, Budapest, Bilbao and Seoul. They are typically housed in an existing city department, non-governmental organisation or in a university. The objectives of Urban Observatories are as follows:

1. To create sustainable urban monitoring systems in support of local planning and management process, linking data to policy.

2. To strengthen local capacity for the development and use of urban indicators that facilitates the collection of disaggregated data at city and sub-city level.
3. To promote local ownership of urban indicator systems and a culture of monitoring and assessment in the urban sector.

The Partners, the Workshop series and intention:

Since India's urbanisation is taking a new turn through city-led envisioning aided by citizen participation as well as ICT enabled governance, it is proposed to incubate urban observatories in leading cities. This further got support from the recently established UK-India Joint Network on Sustainable Cities, which has embedded this as one of the core activity.

The Joint Network is exploring the setting up of Urban Observatories in different cities of India, which are striving to improve liveability through planned investments. The cities taken up to organise consultative workshops were Chennai, Mumbai, Chandigarh, Kolkata, Vizag and Kochi (Kerala Urban Observatory). Setting up an Urban Observatory in these cities can not only support effective monitoring of the impact of development projects in the city region, but also enable co-ordinated development in these urban regions. The recent global debates have highlighted the need for a coherent urban strategy and investment plan as one of the key criteria for any region to attract global capital. The Observatories can also make these cities globally visible especially as Government of India is supporting major urban sector investments through new generation urban missions. NIUA has established working relationships with Chambers of Commerce, Urban Development Authorities and Higher Education/Research Centres in many cities. The University of Nottingham coordinated the UK network of research centres and provided active support to the workshops.

The Indian Network faculty members from involved 1) JNU, 2) IIT Delhi, 3) IIT Kharagpur, 4) IIT Roorkee, 5) ISEC Bengaluru, 6) IGIDR, Mumbai and 7) IIPS, Mumbai and was coordinated by NIUA. The UK Network involved Universities of Southampton, Birmingham, Nottingham Trent Northumbria, Surrey, Loughborough and Bishop Grosseteste University College coordinated by University of Nottingham.

Potential Activities of the Urban Observatory

1. Collect, collate & analyse data on various aspects of urban dynamics in the city region.
2. Prepare annual 'State of the City' Reports.
3. Set up and manage 'city dash boards' and website for the Urban Observatory.
4. Provide specific skill development and capacity building services for key stakeholders and their target groups.
5. Promote evidence based planning and policies in the cities.
6. Enable effective participation of citizens in shaping the urban future.

Steps after the Workshops

- Madras Chamber of Commerce and Industries (MCCI) has set up a Steering Committee for Chennai Urban Observatory under the Chairmanship of Dr. Rajivan Krishnaswamy, IAS (Retd.). Director, NIUA is a member of the Steering Committee along with Director, IIT Madras, Director, Madras School of Economics and Chief Planner, CMDA.
- The proposal for Kerala Urban Observatory was tabled in the meeting of the State Planning Board members on July 26, 2017. The Minister for Local Self Government, Government of Kerala and Planning Board members have endorsed the initiative. Dr. Ravi Raman, Member,

State Planning Board was met by the Director, NIUA in his subsequent visit to Delhi. NIUA has been asked to submit a detailed proposal to Kerala State Planning Board to further the plans.

- Under the BvLF funded Child Friendly Smart Cities Project, it is proposed to work with Panjab University and Chandigarh Administration to establish Chandigarh Urban Observatory.
- Tata Trusts have approached NIUA to discuss the possibility of partnering with the Urban Observatory Initiative. NIUA team is working on submission of a funding proposal to Tata Trusts.

2.1.17 Capacity Building for Low Carbon and Climate Resilient City Development in India – CapaCITIES

The CapaCITIES project endeavours to understand the climate change implications, strengthening capacities of the city authorities, formulating the climate action plans and strategies across priority sectors to lower greenhouse gas emissions, and build resilience in selected four partner cities (Coimbatore, Rajkot, Siliguri and Udaipur). This three-year project (July 2016 – June 2017) is funded by Swiss Agency for Development and Cooperation (SDC) under its Global Programme on Climate Change. ICLEI South Asia, Consortium of South Pole Carbon Management Ltd. and e-concept AG are implementing partners for the project whereas Municipal Corporation and City Level Authorities of partner cities are public sector partners.

NIUA will act as a knowledge aggregator and disseminator partner for the project. NIUA will facilitate its role through eight city level dialogues (2017-18), four best practices workshop (2018) and two national level workshop (2018). Institute will develop deep understanding of identified issues in each partner cities and implementable solutions for those issues. The duration of institute's knowledge partnership is from 1st Feb 2017 to 30th June 2019.

Objectives:

- Enhanced capacities of city authorities in four partner cities to plan and implement mitigation and adaptation measures.
- City-level climate change adaptation and mitigation measures for priority sectors initiated.
- Increased awareness on low carbon and climate resilient city development in India and other countries.

2.2 Completed Studies/Projects

2.2.1: Demographic, Economic and Social Structures of Different Sizes of Urban Settlements in India (Phase III - a)

HUDCO Report on Towns of India, was completed, and released by Honorable UDM on the World Habitat Day, October 2, 2017.

2.2.2: E-Learning Course at NIUA

The e-Learning course is an initiative for developing an India specific course titled, 'Sustainable Land Use Planning' supported by the World Bank Group. The course would be designed to enable

a participant, including city and state officials to intelligently and meaningfully engage in urban land use planning discourse as well as critically monitor and evaluate the progress of any city or urban space of interest in the Indian context. The pilot E-Learning initiative customized to the Indian context is planned for a wide range of participants including city and state officials. This promises to help NIUA strengthen its existing capacity building initiatives and mark NIUA as one of the premiere institutes in the country for developing and delivering e-learning courses to city and state officials.

A dedicated server space through Amazon Web Services (AWS) for the e-Learning course was acquired in April 2016 and the prepared course was moved to this server. As per suggestions by MOUD, the course was planned to be one of the key activities of the SmartNet website, an initiative of MOUD launched on the 25th June 2016. Registrations for NIUA's e-Learning course began on the 25th June 2016 along with the launch of SmartNet at smartnet.mygov.in. The course began on 4th July 2016 and ran through 5 weeks till 7th August 2016. A month after that was required to grade the assignments and revise the course based on the suggestions received by the participants.

Certificate of Completion and Certificate of Participation were given to successful candidates. A completion report was submitted to the World Bank Group in December 2016. The course is being prepared for a re-launch sometime in July 2017 through the Smartnet platform.

2.2.3: Evaluation of Urban Planning Course Curricula in Select Planning Schools to incorporate Disaster Risk Reduction and Climate Change Adaptation.

The study funded by UNDP, sets out the objectives and framework for the evaluation of the curricula in the Planning Schools of India with respect to the modules and training materials on disaster risk reduction and climate change adaptation tools. It summarizes the proposed strategy to assess the critical gaps between the scientific approaches towards disaster risk reduction and climate change and existing planning education in India. The study comprised literature review, questionnaire survey and consultation with the key people in Planning Education in India. This assessment enabled identification of the critical gaps between the current policies and programme of climate resilient city and disaster risk reduction and planning education in the selected schools in India.

The final report after having incorporated the comments on the draft has been submitted to UNDP in November 2016. The final roundtable to present the findings of the report, is to be organized by UNDP.

2.2.4: Swachh Bharat Mission (SBM) Exposure Workshops cum Training

For conducting Swachh Bharat Mission (SBM) exposure workshops for senior Municipal Officials from Swachh Bharat Mission monitored cities and state, SBM directorates, in 12 batches from May to October, 2016, was sanctioned to NIUA by MOUD in March 2016.

The purpose of the workshops was:

1. Recognize the issues, challenges and constraints of SWM
2. Understand the SWM Rules 2016,
3. Be aware of the various approaches, technologies and their financial implications
4. Plan to implement solutions in their cities

Initially, work started to plan out the workshops. The basic structure of the four-day workshop with Orientation lectures on Day I followed by site / exposure visits to Centralised and Decentralised SWM facilities in Delhi NCR on Day II and III and finally conducting individual and group activities on Day IV culminating in presentations by groups on action plans the ULBs would take up on their return, was the programme schedule that was meticulously adhered to in all the workshops.

In April 2016, the twelve workshops were planned with the states to be covered under each workshop. The first workshop was non-residential since all ULBs in the NCR region were invited, and along with their commissioners, each ULB was requested to depute at least three to four officials. Initially, only the ULBs in the list of 75 SBM monitored cities were invited. Subsequently, the invitation was for all class 1 cities and some smaller municipalities as well.

MOUD send letters from the Joint Mission Director's Office to all ULBs which were invited for a particular workshop. Also, schedule of dates for all the 12 workshops planned and the tentative schedule of the workshop was put on the Swachh Bharat Mission website. This helped in following up as well as broadcasting to all municipal corporations, municipalities and nagarpalikas to depute their officials, elected representatives and directorate officials.

The venue selected for the 12 workshops is United Service Institution of India (USI), located on Rao Tula Ram Marg, New Delhi.

A manual for site visits was prepared. A list of 15 to 16 sites were identified and grouped as per the similarities in technologies. Thereafter, permission was sought to bring ULB officials to their plants with all the 12 different workshop dates and approximate time of visit.

With permission, did reconnaissance visits to all the sites, from where all details and documents were got. Then these were written as short chapters, with description, photographs, quantitative details and some cost analysis to help the participants understand the scale and extent of the technology and gauge its suitability for different situations and requirements. The manual also has short quiz on each of the plants to encourage participants to ask questions as well as find answers from the resource persons explaining about the plant as well as from the text in the manual.

The two days of exposure visits, had a combination of different types of centralized plants like Waste to Energy Incineration plants, Construction and Demolition waste recycling waste, Centralised Composting Facility, Sanitary Landfill Facility along with decentralized materials recovery facilities, decentralized composting, biomethanation, waste water treatment etc.

Day 4 had lectures mainly devoted to individual and group activities which required the participants to assimilate and use their prior and new knowledge for completing the closed book quiz on the plant visits and in identifying the challenges to Solid Waste Management, presenting

them. Based on the lecture on ‘Wealth from Waste’ given by a Professor from BIMTECH, Greater Noida and some case studies of how to make SWM projects self-sustainable, the participants’ groups also produce plans for their cities or for a city with a particular population or a pilot project. These presentations are presented, discussed and judged and winners are given prizes. Twelve workshops conducted from May to October 2016 are as follows:

S. No.	Workshop number	Dates
1.	Workshop – I	02 nd to 05 th May
2.	Workshop – II	16 th to 19 th May
3.	Workshop – III	6 th to 9 th June
4.	Workshop – IV	20 th to 23 rd June
5.	Workshop – V	04 th to 07 th July
6.	Workshop – VI	18 th to 21 st July
7.	Workshop – VII	8 th to 11 th August
8.	Workshop – VIII	22 nd to 25 th August
9.	Workshop – IX	05 th to 08 th September
10.	Workshop – X	19 th to 22 nd September
11.	Workshop – XI	03 rd to 06 th October
12.	Workshop - XII	17 th to 20 th October

The first SBM workshop was held from May 2- 5, 2016 at USI with the inauguration attended by the Joint Mission Director, Shri. Saurabh Jain, NIUA Director, Shri. Jagan Shah and Professor V. K. Vijay from IIT Delhi, The feedback received from the participants was encouraging and motivative to follow up all the states more intensely and maximize the number of participants in each workshop while maintaining the standard of the workshops.

The video report of the same was also edited into a short 25 minute film and a five minute film. The five minute film and the pdf report have been uploaded in the Smartnet. Final report of the SBM Exposure Workshop 2016 project was submitted to MOUD with the Utilization Certificate, in December 27, 2016.

A second phase proposal sent to the Ministry was accepted and the work order for this project was issued to NIUA on March 22, 2017. The project duration is from April to October 2017 and envisages to conduct 12 workshops from May to October 2017 for officials of ULBs along with elected representatives, NGOs, SHGs, NULMs and others involved in SBM (Urban) in their respective states and cities for capacity building and improving the SWM sector in their cities and towns.

2.2.5: Asian Cities Climate Change Resilience Network (ACCCRN)

The project, supported by the Rockefeller Foundation, supports capacity building through training, integration of climate information, dissemination of existing knowledge products on Urban Climate Change Resilience (UCCR), linking networking partners as a means to influence policies, address the potential impacts of climate change in urban environment, link climate resilience to development planning and management. The project’s objectives included: (i) Capacity building of NIUA in UCCR; (ii) Knowledge and training needs assessment; (iii) Institutional capacity building of national and state level nodal agencies; (iv) Capacity building of

city nodal agencies and authorities; and (v) Knowledge networking, research and documentation. Two additional activities added to the project during the extension period were: 1) Research study: Measuring Cost of Resilient Cities from a City Level Finance Perspective - Water supply, sanitation and storm water drainage sectors; and 2) GIS Based Visualization System: Interactive Spatial Decision Support System (ISDSS).

The work undertaken in the project during the 2016 -17 period is as follows:

Symposium

A Symposium on 'Sustainable Urban Habitat and Climate Change' was organised by NIUA under the Knowledge Networking component of the ACCCRN project supported by The Rockefeller Foundation and Mercy Corps Indonesia, on 16 June 2016, at NIUA. The Symposium was organized to share knowledge on good practices in developing sustainable habitats and building city resilience to climate change. The Symposium covered the sectors of water, waste water, storm water, built environment, and municipal solid waste. The Symposium brought together practitioners, policy makers, and researchers to deliberate on the solutions to climate change in cities.

Blogs

Blogs written for www.acccrn.net :

1. Towards the resilient city: Inclusive, safe and sustainable.
2. How to build resilience and reduce losses and damages in the cities.
3. Linking humanitarianism to resilience for urban climate change.
4. Community based adaptation as potential options to improve city resilience
5. Loss and damages in terms of UCCR.
6. Towards resilient City: Inclusive, Safe and Sustainable.
7. National consultation on Roadmap for Heat Action Plan in India, event organised by TARU.
8. Integrating Heat wave resilience measures in development plans.

Documentation

Documentation: Field visit to Jaipur was undertaken from 25th July to 27th July, 2016 to document the case of Revival of Lake Mansagar and understand its importance as a resilience strategy. Based on the primary and secondary research a document has been prepared.

City Climate profiles

Five climate profiles were prepared:

- Chennai
- Bhubaneswar
- Delhi
- Thane
- Varanasi

The following two reports were completed:

1. Cost of Resilience - An Assessment of Financial, Institutional and Infrastructure Challenges of Four Indian Cities

This research study has been designed to calculate approximately the financial cost of urban resilience in Water Supply and Sanitation (WSS) sector and resilience to floods. The rationale behind this study is to examine and understand the present scenario of infrastructure gaps in the WSS sector from the perspective of flood resilience, to draw on on-going projects and programmes and to take account of the future needs.

Activities Undertaken:

- Financial management chapters for the project 'Cost of Resilience', under the Rockefeller Foundation, were completed. Fiscal powers of study cities were analyzed and rigorous data analysis of budgets obtained from four study cities was done to understand the revenue income and expenditure and capital income and expenditure in general and particularly for the water, sanitation and storm water drainage infrastructure in cities. Fiscal health of cities was commented and financial requirements for filling the existing infrastructure gaps and future requirements were calculated
- The Final Report was completed and submitted to the funding agency in the month of February 2017.
- Important findings of the project were shared in a brief presentation at NIUA in the month of March 2017.

2. Model ISDSS

GIS Based Visualization System: Interactive Spatial Decision Support System (ISDSS)

This GIS-based visualization system will enable decision makers to spatially and temporally view the built form, proposed urban development actions, and develop cognitive understanding of their impact on the urban environment. The geospatial system is expected to serve the purpose of creating an understanding of the impacts of development on climate resilience of the city, the living environment, and the incremental growth of the city footprint.

Research Papers

Six research papers were completed and peer reviewed for publication. The research papers are as follows:

1. Usha P. Raghupathi, Richa Sharma and Aastha Joshi, 'Aligning Environmental and Local Urban Issues in India', in "Cities and Climate Co-Benefits – Urban Innovations and Reforms in India" edited by Mahendra Sethi & Jose A. Puppim de Oliveir, forthcoming publication by Springer Nature.
2. Sandeep Thakur and Uday Bhonde, 'Assessment of Urban Flood Resilience for Water, Sanitation, and Storm Water Drainage Sectors in Two Cities of India', submitted to *Asian Institute of Technology*, for a forthcoming publication by Springer.
3. Rohit Virmani, 'Heat Waves and Changing Temperature Trends in Indian Cities', submitted to *Urban Climate*, an Elsevier journal.

4. Richa Sharma and Usha P. Raghupathi, 'Analyzing Climate Variability and Vulnerability in Indian Cities for Developing Urban Climate Change Resilience (UCCR)', submitted to *Regional Environmental Change*, an Elsevier Journal.
5. Shyamala Mani, 'Waste Solutions for Climate Change Adaptation, Mitigation and Sustainable Development'. The paper has been peer reviewed internally and will be sent for publication.
6. Nimisha Jha and Rohit Virmani, 'Need for Institutionalisation of Local Solutions for Urban Climate Resilient Livelihoods Integrating Urban Livelihoods with Climate Change'. The paper has been peer reviewed internally and will be sent for publication.
7. Somnath Sen, 'Water Sensitive Urban Development for Sustenance of Small and Medium Towns in West Bengal under Climate Change Scenario'. This paper is will be published in NIUA's journal 'Urban India'.

Delivery of Training

Two reports on the delivery of training were completed:

1. Final report on delivery of training and capacity building for regional training institutions from four regions.
2. Final report on delivery of training for urban local bodies of twenty four cities from across the country.

Publications:

Two Training Modules on Urban Climate Change Resilience were designed for printing and were uploaded on www.smartnet.org :

1. Training Modules for Regional Training Institutions
2. Training Modules for Urban Local Bodies

Three fact sheets and three case studies were printed and uploaded on www.acccrn.net and on www.smartne.org as follows:

Fact Sheets

- Urban flooding
- Heat waves
- Landslides

Documentation of Cases

- Revival of Mansagar Lake, Jaipur: A Case study
- ACCCRN Projects in Surat, Indore and Gorakhpur: A Brief Summary
- Green and Resilient Development: A case study of ZED Homes in Bangalore

Final Evaluation Report

The final evaluation of the project was done by an evaluation expert and report submitted to The Rockefeller Foundation.

Project completion

The project was completed in December 2016 and the final report and deliverables submitted to The Rockefeller Foundation in February 2017.

3.0 Seminars/Workshops/Training Programmes/Events

NIUA is actively contributing towards upgrading skills of urban managers, and has organized series of workshops, training programmes and seminars on themes of national importance, bringing together concerned stakeholders for focused discussions.

- The Swachh Bharat Mission Exposure Workshops project was a capacity building project on Solid Waste Management. Twelve workshops conducted from May to October 2016 are as follows:

S. No.	Workshop number	Dates
1.	Workshop – I	02 nd to 05 th May
2.	Workshop – II	16 th to 19 th May
3.	Workshop – III	6 th to 9 th June
4.	Workshop – IV	20 th to 23 rd June
5.	Workshop – V	04 th to 07 th July
6.	Workshop – VI	18 th to 21 st July
7.	Workshop – VII	8 th to 11 th August
8.	Workshop – VIII	22 nd to 25 th August
9.	Workshop – IX	05 th to 08 th September
10.	Workshop – X	19 th to 22 nd September
11.	Workshop – XI	03 rd to 06 th October
12.	Workshop - XII	17 th to 20 th October

- “UK-India Joint Network on Sustainable Cities and Urbanisation in India – A Kickoff Workshop”, organised by NIUA, held at India Habitat Centre, New Delhi on September 26-27, 2016.
- Organized 4 day immersion visit to London, UK for 10 city commissioners to learn about UK experiences as part of the Transit Oriented Development (TOD) Framework for Indian Smart Cities Project, October 3-6, 2016.
- Meeting on draft document “Model SoP on urban flooding” prepared by MOUD for the feedback of various government and relevant institutes/organizations. Feedback on SoP was shared based on the experience of urban flood resilience project in four study cities, held at NIUA on December 16, 2016.
- Organized a workshop titled “Urban Climate Change Resilience: Knowledge Sharing Workshop”, organized under the RF research programme implemented by the NIUA, at IHC, New Delhi on December 16, 2016.
- CIDCO organized two workshops – ‘PPP for TOD Developments’ and ‘International Workshop on Development of TOD projects in Indian Smart Cities’, at IHC, New Delhi, January 12 and 13, 2017.
- SCBP organized ‘Orientation Workshop on Faecal Sludge Management (FSM)’, with the support of CDD and iDeCk, Bengaluru, in Bhagalpur, Bihar on January 18, 2017.
- Two days ‘Regional Training Programme on Swachh Bharat Mission: Septage and Faecal Sludge Management’ was organised by RCUES, Lucknow with support from SCBP, under the auspices of MOUD, GOI for municipal officials of urban local governments, at Jabalpur, Madhya Pradesh, on January 23 -24, 2017.
- The CFSC team actively participated in the ‘Cities for kids Urban 95’, an International workshop on Child Friendly Cities. The two day workshop was organised by Bernard van Leer

Foundation in collaboration with CII, where NIUA and Humara Bachpan Campaign were the key knowledge partners, at New Delhi, February 2-3, 2017.

- A Capacity Building Workshop on 'Socio-Economic Sustainability of HRIDAY City Projects', organised by NIUA, MOUD in association with Cardiff University, UK, SPA Bhopal and DRONAH Foundation, supported by Arts Humanities Research Council (AHRC, UK) and ICHR (Indian Council of Historic Research), at IHC on March 15, 2017.
- SCBP team went on a three day exposure visit to Malaysia. The visit was facilitated by Indah Water Consortium (a company owned by Minister of Finance Incorporated Company), March 15-17, 2017.
- Two Smart City Workshops titled 'National Workshop on Smart Projects', were organised by Ministry of Urban Development and NIUA, at India Habitat Centre, New Delhi, on March 15, 2017 and March 22, 2017.
- The first series of Urban-verse on "Transforming Cities: Role of Urban Citizen Market", the platform is supported by NIUA and Institute for Smart, Resilient and Future Cities-Taru Leading Edge. The first series supported by Asian Cities Climate Change Resilience Network (ACCCRN) of the Rockefeller Foundation was held at IHC, New Delhi, on March 30, 2017.

4.0 Technical Support

4.1 Support to MOUD

NIUA has been assisting and advising the Ministry in areas of urban governance and reform by preparing concept notes, reviewing and providing comments on research proposals, reports etc. Some of them are listed below:

- Collated the details on projects in 20 Smart City Proposals (SCPs) which directly address disaster risk reduction and management and submitted to the MOUD.
- Participated in the BRICS Friendship Cities Conclave 2016 as a MOUD, GOI representative. This conclave saw representatives from Brazil, Russia, China and South Africa, was held in Mumbai from April 14-16, 2016.
- Visited Hyderabad, for Hindi Meeting of MOUD, April 21, 2016
- Provided inputs in organisation meeting with JS(IC) on BRICS conference, at MOUD, April 22, 2016
- Prepared a presentation for Director, MOUD on Urban Economy, May 23, 2016.
- Prepared a presentation for Director, MOUD on Evaluation of Policy Programmes in India, May 27, 2016
- Supported the MOUD in preparation of 3 year action plan, 7 year strategic document and 2030 Vision Document for the National Smart Cities Mission, June 2016.
- Prepared case study documentation of 10 smart cities for the MOUD. The documentation was published as coffee table book- Smart Cities of India: Cases from Lighthouse Cities and released at the first anniversary of smart cities mission held at Pune, in June, 2016.
- Provided support to MOUD for National Smart Cities Mission in selecting 13 winning cities in the Fast track competition. Prepared preparatory notes and press release for announcement of winning cities in June 2016.
- Prepared all content including insights from 20 lighthouse cities and a poster for the urban design competition hosted by MOUD, for the Smart Cities booth at the exhibition and meeting held to mark the first year anniversary of the National Smart Cities Mission in Pune, June 2016
- Prepared presentation on 'Skill India' for MOUD and provided inputs in meeting at MOUD on Skill India on June 8, 2016

- Provided inputs in meeting on 'Waste Water Recycling', at MOUD, New Delhi, June 29, 2016.
- Prepared content for background information and presentation for "Transforming Urban Governance"- 'Building Capacities to Deliver on Goals' and 'Changing Urban Planning Structures and Frameworks' for MOUD, July 1, 2016.
- Prepared inputs for the 8th BRICS Summit-Inputs for Goa Declaration (Zero Draft), July 7, 2016.
- Attended second meeting of the Inter-Departmental Committee to formulate 'The National Value Capture Policy', MOUD, July 8, 2016.
- Prepared revised proposal for NIUA ToR for AMRUT Capacity Building, for submission to MOUD, July 12, 2016.
- Participated in meeting to review programme for Urban Renaissance, at MOUD, New Delhi, August 2, 2016.
- Participated in meeting to discuss programme for HRIDAY event in October, at MOUD, New Delhi August 4, 2016.
- Participated in meeting to review Urban Renaissance, at MOUD, New Delhi, August 12, 2016.
- Evaluated presentation from respective teams of the Consulting firms who have submitted RFP for "Project Management Unit (PMU) for Capacity Building for Urban Development Project" on "Adequacy and quality of the proposed methodology and Work plan in responding to the Terms of Reference (TOR)" as part of Committee set up by MOUD on August 19, 2016.
- Prepared the presentation for the Secretary, UD on 'The Urban Renaissance', August 22, 2016.
- Participated in review update of progress on Smart Cities, at MOUD, New Delhi, August 26, 2016.
- Evaluated and shortlisted applicant firms who have submitted EoI in response to PMU for CBUD project and SMART Cities Mission to MOUD; August-September 2016.
- Prepared answers to the questions on 'Urban Development' for MOUD, September 6, 2016.
- Prepared talking points, 3rd BRICS Urbanisation Forum, 'Urban Transition in BRICS', Visakhapatnam, for MOUD, September 14 – 16, 2016.
- Prepared a presentation for the Minister of State UD, 3rd BRICS Urbanisation Forum, 'Urban Transition in BRICS', Visakhapatnam, for MOUD, September 14 – 16, 2016.
- Prepared the presentation for the UDM, UD 3rd BRICS Urbanisation Forum, 'Urban Transition in BRICS', Visakhapatnam, for MOUD, September 14 – 16, 2016.
- Prepared the speech for the Secretary, MOUD, GOI during the 3rd BRICS Urbanisation Forum 'Urban Transition in BRICS' Visakhapatnam, September 14 – 16, 2016.
- Helped in organizing the 3rd BRICS Urbanisation Forum as knowledge partner of MOUD in Visakhapatnam, Andhra Pradesh, September 14 -16, 2016.
- Commented on a draft for discussion on 'Smart City Indicators', for MOUD, September 16, 2016.
- Participated in meeting to review Urban Renaissance and NIUA restructuring, Chair- AS (SC), at MOUD, New Delhi, September 19, 2016.
- Participated in meeting on HUDCO Bonds issuance, Chair-AS (SC), at MOUD, New Delhi, September 20, 2016.
- Provided content support to MOUD for Core Monthly Magazine and the Millennium magazine post on Smart Cities.
- Prepared data points on Smart Cities, for MOUD, October 07, 2016.
- Prepared detailed comments on Smart City Indicators: Measurement tool for Smart Cities, for MOUD, October 11, 2016.
- Prepared a document on "The Issue of Financial Resources In Urban Areas", for MOUD, October 11, 2016.
- Prepared a document on "Urbanization – Urban Governance, Decentralization, challenges of political economy and capacity", for MOUD, October 14, 2016.
- Provided detailed comments on a manuscript on Migration, prepared by ADB, for MOUD, October 19, 2016.
- Coordinated the preparation of a report and presentations for Group of Secretaries for mid-term review of ten ministries (Sectoral Group #1 Urban, Health and Sanitation for MOUD), since October 21, 2016.- ongoing

- Organised and participated for MOUD the 2nd India-Dutch Joint Working Group Meeting on Urban Development at IHC, New Delhi on October 25, 2016. Proceedings summary was also prepared for MOUD and sent.
- Provided a bibliography on Urban Poverty, for MOUD, October 28, 2016.
- Drafted a paper on Financing Urban Basic Infrastructure in India under the New Missions for MOUD, October 28, 2016.
- Attended and evaluated as member of Committee in MOUD, the presentations by short listed firms for conducting international exposure visit for Smart City officials under the CBUD project; October 2016.
- Prepared background note titled “People Centric Training and Capacity Building of functionaries of Urban Local Bodies” for the subject selected by Standing Committee on Urban Development for examination and reporting during 2016-17 to the Lok Sabha Secretariat; October 2016
- Prepared talking points on Perspective of Ministry of Urban Development regarding Participatory Local Budgeting of Urban Local Bodies, for MOUD, November 2, 2016.
- Prepared a bibliography on ‘Best Practices in Urban Research’, for MOUD, November 7, 2016.
- Prepared a note on ‘Methods of Property Tax Assessment in India’, for MOUD, November 8, 2016.
- Prepared detailed comments on ‘Vision for Urban Transformation’, for MOUD, November 8, 2016.
- Finalised Conference Highlights and Proceedings of BRICS Urban Forum and sent to MOUD; December 2016.
- **Technical support to MOUD on Procurement of Project Management Units at MOUD for Missions of Swachh Bharat, Capacity Building for Urban Development, AMRUT, and Smart Cities Mission**
 - As a member of the Committee at MOUD undertaken the detailed technical evaluation of the Request of Expressions of Interest (REOI) and Request for Proposal (RFP) for selection of Project Management Units of Swachh Bharat, Capacity Building for Urban Development, AMRUT, and Smart Cities Mission.
 - REOIs and RFPs for four PMUs were evaluated in details w.r.t. the guidelines given by MoUD. Before the evaluation of proposals, the criteria were discussed with MoUD officials and proposals were evaluated based on financial strength, experience for relevant assignment and CVs proposed by the firms
 - 17 Smart City, 25 AMRUT and 25 IRMA REOIs were evaluated and several meetings with MoUD officials were done during the evaluation period
 - After the REOIs evaluation, 18 technical proposals (six for each of the PMUs) were further evaluated for the final selection of PMU and the selected firms were invited to give presentations
 - 6 CBUD RFPs were technically evaluated in consultation with MOUD and World Bank.
- **Technical Support to MOUD for preparation of Value Capture Finance Policy Framework and undertaken a Detailed Research Study on Value Capture Financing**
 - A VCF Policy Framework and research Study was drafted to encourage States to adopt innovative fiscal tools such land value capture to improve the financial health of municipalities across the country, as well as to deliver quality infrastructure
 - The Policy Framework and Study were developed as essential documents to enlighten States and Union Territories with the concepts and idea behind introducing VCF at the local level
 - Legal research was conducted on existing VCF mechanisms internationally and the existing VCF mechanisms and laws in India
 - A presentation was prepared and shared with MOUD before the Study was drafted and compiled
 - An exhaustive list of VCF mechanisms and the legislature associated with them that existed in each State was compiled and presented to MOUD

- **Technical support to MOUD for Procurement of Project Management Units for the North-Eastern States for AMRUT Mission, and Independent Review and Monitoring Agency for AMRUT Mission**
 - As a member of the Committee at MOUD undertaken the detailed technical evaluation of the Request of Expressions of Interest (REOI) and Request for Proposal (RFP) for selection of Project Management Units of NE States and IRMA under AMRUT Mission
 - REOIs and RFPs for four PMUs were evaluated in details w.r.t. the guidelines given by MOUD. Before the evaluation of proposals, the criteria were discussed with MoUD officials and proposals were evaluated based on financial strength, experience for relevant assignment and CVs proposed by the firms
 - 26 REOIs for NE States and 25 IRMA REOIs were evaluated and several meetings with ADB and MoUD officials were done during the evaluation period
 - After the REOIs evaluation, 12 technical proposals (six for each of the PMUs) were further evaluated for the final selection of PMU and the selected firms were invited to give presentations
- Prepared a paper on “A National Priority: Improving Basic Infrastructure through New Urban Missions”, for the Secretary, Ministry of Urban Development, Government of India January 2, 2017.
- Provided inputs to all draft chapters for the report on ‘Group of Secretaries Report’ on a continuous basis during January 2017
- CIDCO- Developed ‘Advisory Note on Value Capture Policy’ for MOUD, January 17– 24, 2017.
- Assisted MOUD in organising and participated in National Workshop on Urban Development: “Transforming Cities, Transforming Lives”, at Vigyan Bhawan, New Delhi on February 28, 2017.
- Prepared Talking Points on The V. Ramachandran Awards for Honorable Minister of MOUD and MOHUPA, GOI, March 1, 2017.
- CIDCO- Provided inputs to the national TOD policy drafted by the MOUD, February 28 – March 3, 2017.
- Talking Points on New Towns in India and Economic Development, March 1, 2017.
- Prepared Talking Points Importance of Public Space, March 2, 2017.
- Reviewed and prepared comments for way forward in administering the ‘Livability Index’ prepared by MOUD, March 11, 2017.
- CIDCO- Developed ‘Approach for Livability Index’ to be released by MOUD. Worked with Chief Projects Officer, NIUA to develop proposal and interacted with AS-Smart Cities, MOUD to finalize the proposal, March 8 - 29, 2017.
- Prepared Talking Points on E-Times Infra Meet for the Honorable Minister, Ministry of Urban Development and Housing and Urban Poverty Alleviation, GOI, March 9, 2017.
- Provided MOUD inputs on the ‘Indian Demography’, March 9, 2017.
- Reviewed and prepared comments for way forward in administering the ‘Livability Index’ prepared by MOUD, March 11, 2017.
- Prepared a brief note on the proposed engagement of NIUA with BBSR, Germany, March 28, 2017.
- Provided inputs to the Hon’ble UDM and MHUPA for the inaugural edition of 'Urban Reality' of CNBC-Awaj, March 31, 2017.
- Provided inputs on the Annual Livability Index Survey, March 2017.
- Responded to parliament questions
- For MoUD: Roundtable on Urban Flooding SOP prepared by TCPO
- For MoUD: Comments on Concept Note for Innovative Solutions in Smart Cities
- For MoUD: Council of Architecture matter presentation for Sec. UD, with JS
- For MoUD: Aid to AS(UD) and Proposal for Audit of Ease of Doing Business – Online Building Permit System for Mumbai & Delhi
- For MoUD: Nellore ORR work
- For MoUD: All Missions work exhibition at DST Exhibition, Pusa Road
- For MoUD: All Missions work exhibition at Pravasi Bharatiya Diwas, Bengaluru
- For MoUD: Smart City Mission work exhibition at GES at Greater Noida
- For MHUPA: Proposal for Audit of PMAY (Urban) adoption in select Smart Cities

- Organizational Presentation at the EU-Metropolitan Lab in Ahmedabad
- Partnership with IL& FS for IMC Conference on Smart Cities – “Re-imagining Urban Spaces”

5.0 Information Technology and Knowledge Management

5.1 Journals

5.1.1 Environment and Urbanization ASIA Journal (E&U-Asia)

The September 2016 (7.2 issue) was on "Towards HABITAT III". "Understanding Migration Patterns and Migrant Experiences in Asia" is the theme of the March 2017 (8.1) issue of the journal. Review of papers and preparation of manuscript is complete. The issue has been uploaded on the journal's website. Papers are being reviewed for the September 2017 issue.

5.1.2 Urban India

The bi-annual journal '*Urban India*' disseminates research on issues related to urban development, management and governance including urbanization and urban policy, urban management, financing of urban infrastructure and services, urban poverty, urban environment, municipal finance, e-governance, and decentralization besides others. The progress on the journal during the reporting period is as following.

- a. Urban India, Vol.36, Issue 1 (January-June 2016) - The issue has been published and released.
- b. Articles, papers, book reviews submitted towards Urban India, Vol.36, Issue 2 (July–December 2016) and Vol. 37, Issue 1 (January-June 2017) which need to be edited, are under review process.

5.1.3 'सम्वाद' "*Samvad*" (*Grihpatrika* / Inhouse Hindi Journal)

The third issue of the new internal house journal/ *grihpatrika* titled, '*Samvad*' has been prepared and published. Contributions have been invited for the 4th issue.

5.2 Newsletters

1. **Swachh Bharat Mission** – This newsletter is being published every month.
2. **Newsletter 'CIDCO@Smart'** – Published Volume 2 Number 1 and 2&3 consolidated of the newsletter. Number 1 captures the National Smart City mission in elaborate details and the highlights of the first 20 cities that were announced as early winners of the mission in January 2016.

The combined issue (Number 2&3) showcases two objective areas- Transit Oriented Development and Quality of Life and two projects of high impact- Urban Transport Terminals and Khandeshwar Railway Station Precinct, from the Smart City Plan of CIDCO in CIDCO Navi Mumbai (South). In the section on inclusive planning, the Child Friendly Smart Cities (CFSC) initiative at

NIUA is discussed. The newsletter also presents initiatives at NIUA-CIDCO Smart City lab which include Value Capture methods for infrastructure financing.

The section Smart City Corner features Transit Oriented Development (TOD) in Curitiba, smart conversations about optimized urban density and enablers for TOD, bicycling in India and innovations by MIT Urban Risk Lab- a tool for improving housing diversity, and Valet EZ- a mobile based application that helps to find secure parking spots in your city.

5.3 Recollecting 40 years of NIUA

Compiled, prepared and distributed a special volume on 40 years of NIUA, (1976-2016). The compendium is a first of its kind that documents the evolution of the Institute, since its inception in 1976, the projects and studies executed, the seminars and workshops conducted and its publications. It also features contributions and opinions of past and present employees.

5.4 IT infrastructure

• *IT Enhancement Activities*

Dell Power Edge T430 Server has been installed and working successfully (File Server).

Domain name renewal: Renewed www.niua.org and is working.

Annual Maintenance Contract: AMC 2016-17 for the Institute's computers and peripherals with Resident Engineer has been renewed and is running successfully.

Network Cable Replacement Work: Upgradation of LAN connections to high speed wires and new 76 connections added to the Institutes network. Four 24 port web managed switches purchased and installed on the 2nd floor to complete the work. Network cable replacement has been completed through NICSI (GOI) and running successfully.

GIS Server: PowerEdge R730 Server for ARC GIS has been installed with required software and public ip setting. SSL certificate is also installed on this server for server security in public domain. ARC GIS Server will enable us to publish required map services and will also link with smartnet portal which can also be used for similar other web applications.

HW Purchase:

- 1 customised dell i7 laptop purchased from Dell under project BMGF
- 2 external HDD purchased for a Professor and for CIDCO project each
- 2 Dell Workstation (Customised)dell Precision M4800 CTO Base with Kit – E-port plus, advanced port replicator II (India) purchased for GIS
- 4 laptops - 2 Dell i5 and 2 Dell i7 purchased through DGS&D RC
- One HP colour lazer printer (MFP) purchased for BMGF
- One HP laser printer (MFP) purchased for Mercy corp
- Apple Mac Book air from BMGF
- Two OJ PRO 8710 from Hriday (MOUD)
- PowerEdge R730 Server for GIS purchased

- Four Dell 24 port web managed switches
- Ten Dell laptops purchased (i7 (3 nos.) and i5 (7 nos.))
- Two external HDD purchased (one 2TB and one 1TB)
- 3 numbers -Apple MacBook Air 13 inch core i5 1.6 GhZ /8GB/256GB HDD apple care protection plan 4 year (Ethernet and VGA adapter)
- 10 numbers - Dell Laptop latitude 3470 intel core i5 RAM 4GB
- 1 number - HP page wide 577dw MFP printer

SW purchase:

- MS office standard 2016 purchased for 100 users
- E-scan internet security purchased for 101 users
- Adobe DC 2015 writer purchased for 4 users
- SSL certificate annual subscription purchased for Linux server (*.niua.org) and windows server (gis.niua.org).

Additional e-mail ids

Due to more email ids requirement 40 email id has been purchased. Now Institute has total 170 email ids for its employees.

Publication:

- Hudco Book
- Factsheets
- CII Booklets – Housing, Smartcities
- Child Friendly Smart Cities Book
- TOD - Event creatives , Booklets publication & video
- SBM newsletter – Monthly.
- SCBP report, UCCR, event creative, Brochure, stationary
- BRICS proceeding report
- Dewats Book
- Hriday leaflet, Brochure update, event
- VCF document study & report
- Smartnet website
- Gos pictures research
- Climate change reports & fact sheet
- CFSC compendium book
- Vibrant Gujarat event proceedings
- Smart cities leaflet, Profiles, Book, event creative
- Urban dialogues videos

Monitoring Work:

- a. Firewall renewed for the year 2016-17 on April 1, 2016. The access policies have been changed and re-designed and implemented as per the user's needs and from time-to-time. Fortinet Fortiguard FIREWALL, a Unified Threat Management (UTM) have been monitored regularly. Monitoring protection of NIUA's Network from external threats and viruses by renewal of Unified Threat Management (UTM) and internet access policies.

- b. The Spectranet internet service of link has been upgraded from 5 MBPS to 15 MBPS. This dedicated lease line is being used and monitored regularly using software tools and quarterly payment made as per the placed system.
- c. The spectranet internet service link (5MBPS) has been purchased exclusively for Web server backup. This server is holding more than 10 websites including www.niua.org
- d. E-scan Internet Security has been purchased for 101 users to protect the NIUA's LAN and all Desktops and Laptops from internal and external threats from viruses has been placed. All computers connected to this A/V server is being monitored regularly through admin panel on a/v server.
- e. Monitor the RE's work and attendance. In his absence arrangement of other RE from the contracted firm.

"Video conference equipment to facilitate the Video Conferencing in the Institute is fully operational. This unit is also being used for the projection of other workshop/seminar presentations.

Biometric Attendance System (BAS) for NIUA employees has been implemented. Two tablets, one finger print device and one iris attendance system has been installed and all are working successfully.

Nodal Officer at NIUA for Central Procurement Portal - We are using the e-procurement portal for e-procurement and e-publishing as and when required.

Salary

- Preparation of Salary and related vouchers.
- Prepared detailed statement for the institute's staff members from their salary data for income tax calculation 2016-17.
- Fixation of pay scale under 7CPC of all regular employee and prepared arrear sheet accordingly.
- Preparation of DA vouchers

Database

- Compilation of data from census 2011 Housing Stock, Amenities and Assets in slum 2011 for HUDCO Chair Report
- Compilation of data from PCA 2001 and 2011, town directory 2001, district census handbook 2011, housing stock amenities and asset 2011 for various projects ie. HUDCO Chair, AMRUT and Smart Cities.

• **Urban Information Resource Centre**

NIUA website <http://www.niua.org> - The website is managed in-house and is being updated regularly. Bi-lingual support for the website (www.niua.org) in hindi is running successfully

- Niu.org is on https now i.e. <https://www.niua.org>
- Smartnet.niua.org is on https i.e. <https://www.smartnet.niua.org>
- MIS
- Review

- Changes in website
- Smartnet regular backup (code + database)
- TOD is live at <https://tod.niua.org>
- Pearl is on https now i.e. <https://pearl.niua.org>
- Work started on Hriday dashboard
- Work started on Amrut dashboard\
- <http://cities4kids.org> made live
- Updates done on <https://khub.niua.org>
- Emailer created for different type of emails, being sent to different users on smartnet
- SSL installed for GIS i.e. <https://gis.niua.org>

The Entire IT infrastructure has been monitored for troubleshooting, including Printers, Servers, Hardware/Software, network and internet security, mailing solution, firewall, Antivirus server, passive and active components.

5.5 Library

During the year April 2016- March 2017 the work progress in the library is as follows:

1. One hundred books, reports and census publications were added in the Accession Register.
2. Twelve issues of “Urban News” were brought out.
3. Disseminated news items and articles on urban issues published in the Newspapers and Magazines received in the library on daily basis through e-mail to the researchers of the Institute.

6.0 Hindi Activities

- The Institute has been following the Official Language Policy. Under this policy, the Institute organised Official Language Committee meetings to review Hindi activities under the Chairmanship of Mr. Jagan Shah, Director, NIUA / Mr. S.B. Jain, Adviser (L & F), NIUA. In these meetings, the representative of Government of India, Director (Official Language), Ministry of Urban Development Mr. R. K. Dwivedi had been invited to review the hindi activities. The meetings were held on June 27, September 7, December 23, 2016 and March 24, 2017
- Hindi workshops were organised to motivate employees of the Institute to work in Hindi under the Chairmanship of Mr. S. B. Jain, Advisor (Legal & Finance) and Dr. Sandeep Thakur, S.R.O, NIUA. All employees of the Institute had participated in these workshops.
 - The 1st workshop was on June 27, 2016 at the Institute. The subject of this workshop was “Tippan, Alekhan me Saral Bhasha Ka Prayog” given by Shri Om Prakash, Consultant (Rajbhasha), MOUD.

- The 2nd workshop was on September 7, 2016. The subject was “Hindi Patrachar mein honewali kathinaiyon ka nirakaran” given by Shri R. K. Dwivedi, Director (Official Language), MOUD at the Institute.
- The 3rd workshop was held on December 23, 2016 at the Institute. The subject of this workshop was “Rajbhasha Karyon Ko Aage Badhane Ke Upay” given by Shri R. K. Dwivedi, Director (Official Language), MOUD.
- The 4th hindi workshop was held on March 24, 2017 at the Institute. The subject of this workshop was “Rajbhasha Ke Lakchyon Ki Prapti (राजभाषा के लक्ष्यों की प्राप्ति)” given by Shri R. K. Dwivedi, Director (Official Language), MOUD.
- The Institute celebrated “Hindi Prayog Protsahan Pakhwara” from September 1 to 15, 2016 under which various competitions were held and prizes were distributed to successful participants on December 30, 2016.
- An inspection meeting on rajbhasha related work in the Institute was held by Shri Pradeep Sharma, Dy. Director, Ministry of Home Affairs (Deptt. of O.L.), Northern Regional Implementation Office (Delhi), Sarojini Nagar, New Delhi at the Institute on January 20, 2017.
- A special book on “Recollecting 40 Years of NIUA” was published and distributed to NIUA’s employees and other stakeholders along with Ministry of Urban Development.
- **‘सम्वाद’ “Samvad” (Grihpatrika / Inhouse Hindi Journal)**

In furtherance to commitment made to Rashtriya Rajbhasha Samiti by NIUA, efforts were made to launch an in-house journal in Hindi language. The progress made on the journal during the reporting period is given below.

- 3rd issue of ‘Samvad’ has been published and distributed.
- Contributions have been invited for the 4th issue.

The staff is given encouragement to contribute in the journal and all submissions are duly acknowledged.

7.0 Professional Activities of Research Staff

The Institute brings together a team of skilled and experienced faculty and research fraternity who continue contributing to the thinking process on urban management and development in India. Some key individual achievements by our senior faculty and researchers include:

Jagan A. Shah

Member of Board/ Committees

- Chairman of Interview Committee for Recruitment of an Architect in IRSDC, July 25, 2016.
- Nominated Member of Technical Expert Committee for the Advisory Forum for NDMC Smart City, October 2016.

- Nominated Member of the Techno-Financial Committee to examine proposals for issuing Tax Free Municipal Bonds, Ministry of Urban Development, October 2016

Seminar/workshops

- Conference, organized by WRI India Sustainable Cities, at the India Habitat Centre, New Delhi, April 5-7, 2016.
- Workshop with Municipal Commissioner of Pune and Future Cities Catapult team (FCC), at NIUA, New Delhi, April 7, 2016
- Delivered keynote in IIA Conference, PHD Chambers, April 11, 2016
- Visited Berlin to deliver the Key-note Address in the Indo-German Symposium on Smart Cities, April 27-29, 2016
- Participated in workshop on e-vehicles organised by ISGF, May 4, 2016.
- Delivered address on SCM at SAC Summit of AILSG, Ashok Hotel, May 6, 2016.
- Participated in Smart City Investor Meet, organised by MOUD-CII, at Pragati Maidan on May 19, 2016.
- Delivered Theme Address during the Inaugural Session of 'Smart City Conclave' at Udaipur, organised by FICCI, on May 21, 2016.
- 'Decoupling ' dialogue at Development Alternative, New Delhi, May 28, 2016.
- Visited Berlin to speak on the subject of India's Smart City Mission in Metropolitan Solutions Event and to attend workshop on an urban and Spatial Database, May 31 - June 3, 2016.
- Participated in workshop on HRIDAY, Amritsar, June 30 - July 1, 2016.
- Workshop on water management, NIUA + London School of Economics (LSE) at NIUA, August 19, 2016.
- INAE Conference, Keynote Address, IIT-Madras, September 1, 2016
- Keynote Address, CII-Government of Rajasthan Conference, September 2, 2016.
- Swissnex Smart City Workshop, Keynote Address, Bengaluru, September 5, 2016.
- Participated in BRICS Urbanization Forum, Vizag, September 14-17, 2016.
- Keynote address, TARU Conference on Heatwaves, Park Hotel, New Delhi, September 21, 2016.
- NIUA-RCUK Workshop on Urban Observatories, IHC, September 26-27, 2016.
- Participated in the immersion visit to UK as part of the Transit Oriented Development (TOD) Framework for Indian Smart Cities Project, October 3-7, 2016
- Participated: Session at the Lal Bahadur Shastri National Academy of Administration (LBSNAA), Mussoorie, October 12-13, 2016
- Keynote Speaker at the first "Urban Venture Challenge", at IIM, Bangalore on October 15, 2016.
- Panelist: A Panel Discussion on 'Urban Transportation Solutions for Smart Cities', American Center ,Embassy of the United States of America , 24 K.G. Marg, New Delhi 110001, October 17, 2016.
- Attended Sanyut Hindi Baithak, Kochi, October 18, 2016

Others

- Conducted discussion with experts on MSWM from ADB, April 1, 2016
- Participated in the organising committee meeting for Urban Mobility India Conference, April 5, 2016
- Meeting with French cultural attache and Shaifali, at NIUA Office, New Delhi, April 5, 2016
- Meeting with Fraunhofer Institute, Anandi Iyer at NIUA, New Delhi, April 12, 2016

- Submitted proposal "Project Management Unit: Capacity Building under AMRUT" to MOUD, April 13, 2016
- Submitted Outcome Budget 2016-17 in respect of MOUD, April 13, 2016
- Visited Hyderabad, for Hindi Meeting of MOUD, April 21, 2016
- Provided inputs in organisation meeting with JS(IC) on BRICS conference, at MOUD, April 22, 2016.
- Series of Meetings with NFDC team preparing documentary on Smart City Mission (SCM), at various locations, New Delhi, May 2, 2016
- Interaction with French Industrial Delegation, during Business France event, New Delhi, May 10, 2016
- Meeting with Danish Ambassador, on subject of Smart City Mission, Danish Embassy, New Delhi, May 13, 2016.
- Meeting with Ajay Mathur, TERI DG, to discuss collaboration between TERI and NIUA, on May 17, 2016.
- Attended dinner reception at residence of USAID Mission in Delhi, May 23, 2016.
- Technical committee meeting for HRIDAY, at NIUA, New Delhi, May 24, 2016.
- Visited Pune, to review progress of projects (with Sajeesh Kumar Nair), May 27, 2016.
- Meeting with Regional Studies Association (RSA), at NIUA, New Delhi, June 20, 2016.
- Meeting with Commissioner, BDA on Child Friendly Smart City Centre (CFSC), Bhubaneshwar, June 17, 2016.
- Provided inputs in meeting in the chamber of Chief Secretary, Andhra Pradesh regarding Organization of 3rd Urban Forum under BRICS at Visakhapatnam (14-16 September 2016), on June 18, 2016,
- Attended Anniversary Celebration of SCM, Pune, June 25, 2016.
- Meeting with Steve Nicholas and team for Centre for Sustainable Cities, USA, at NIUA, New Delhi, June 28, 2016.
- Provided inputs in meeting on 'Waste Water Recycling', at MOUD, New Delhi, June 29, 2016.
- Attended meeting with Vice-Chancellor of Dayal Bagh University, Agra, in Additional Secretary (SC) Chamber, July 4, 2016.
- Attended second meeting of the Inter-Departmental Committee to formulate 'The National Value Capture Policy', MOUD, July 8, 2016.
- Attended meeting to discuss New Urban Agenda, NITI Aayog, Chaired by Shri V.K. Sarawat, July 9, 2016.
- Participated in URBAN AGE Conference, Venice, Italy, July13-16, 2016.
- Meeting with Principal Secretary (UD), Rajasthan for HRIDAY- Rajasthan, July 21, 2016.
- Submitted comments to NITI Aayog on the Toolkit for Strategic Mobility Planning, July 26, 2016
- Participated On meeting of Committee for Policy on Value Capture Financing, July 27, 2016.
- Attended 3rd BRICS URBAN Forum, 2nd Screening Committee Meeting by Private Secretary, Government of Andhra Pradesh at Visakhapatnam, on July 29, 2016.
- Participated in meeting to review programme for Urban Renaissance, at MOUD, New Delhi, August 2, 2016.
- Participated in meeting to discuss programme for HRIDAY event in October, at MOUD, New Delhi August 4, 2016.
- Received official delegation from Government of Australia, at NIUA, New Delhi, August 9, 2016.
- Participated in meeting to review Urban Renaissance, at MOUD, New Delhi, August 12, 2016.
- Attended and chaired meeting of CSR Committee of DIMTS, Delhi, August 12, 2016.

- Meeting to invite MoS (External Affairs) Shri M. J. Akbar to BRICS Urban Forum Conference, August 22, 2016.
- Participated in review update of progress on Smart Cities, at MOUD, New Delhi, August 26, 2016.
- Meeting with Principal Secretary (UD), Karnataka and KUIDFC, Bengaluru, August 29, 2016.
- Provided inputs on study on Mayors, by Brookings Institute, September 7, 2016.
- Attended BIS Committee on standardization, BIS Manak Bhawan, September 8, 2016.
- Meeting to review Urban Renaissance and NIUA restructuring, Chair- AS (SC), at MOUD, New Delhi, September 19, 2016.
- Meeting on HUDCO Bonds issuance, Chair-AS (SC), at MOUD, New Delhi, September 20, 2016.
- Announcement of Round 2 results, National Media Centre, Presentation in SmartNet, at National Media Centre, New Delhi, September 20, 2016.
- Meeting of Infrastructure Smart Cities Committee, Indian Merchants Chambers, ILSFS office, IHC, September 28, 2016.
- Meeting with CEO Simon Hunt of Oxford Policy Management, to discuss collaboration, at NIUA, New Delhi, September 28, 2016.
- Meeting with Claudia and Bala of CDIA, to discuss collaboration, at NIUA, New Delhi, September 29, 2016.

Usha P. Raghupathi

Member of Board/ Committees

- As a member of the Steering Committee for a study on “Urban climate resilience and governance in the context of children” set up by GEAG & UNICEF, attended a meeting on January 12, 2017.

Seminar/workshops

- Chaired and also a panel member in two sessions on “Identifying planning entry points to advance climate resilience in Indian cities” in Connect Karo, organized by WRI India, at New Delhi on April 6, 2016.
- Chaired Technical Session I in Swachh Bharat Mission Training Programme organized by NIUA at New Delhi, on May 2, 2016.
- Chaired a session on ‘Smart Urban Planning’, in 2nd Smart Cities Expo, organized by Exhibitions India Group, on May 13, 2016.
- Attended and Gave a TED type talk on ‘Cleaning India: An Adaptation Strategy’ on May 24, 2016 in ACCCRN Learning Event held at Semarang, Indonesia from May 23-25, 2016.
- Attended Global Resilience Academy at Semarang, Indonesia on May 26, 2016.
- As a member of a select group, attended a ‘Strategic Brainstorming Meeting on Peri-Urban Ecosystems’ organized by GEAG, at New Delhi on June 29, 2016.
- Co-chaired a panel discussion on “Policy Enablers for Climate Resilient Smart Cities” in the National Conference on ‘Enabling Policy Frameworks for Climate Resilient Cities’, organised by TERI at New Delhi on July 8, 2016.
- Participated and gave comments in a meeting to peer review research methodology for a 3-country South Asia research project on ‘Effects of Environmental Degradation on Slum Women in South Asian Cities’, organised by Alternative Futures at New Delhi, at New Delhi, July 25, 2016.

- Chaired a session in LSE-NIUA India Observatory workshop on 'Water Resource Management and Governance in India', organised by NIUA and LSE on August 19, 2016.
- Attended 'BRICS Urbanisation Forum' at Vishakhapatnam from September 14-16, 2016.
- Chaired a session in National Consultation "Planning for Heatwave Management in India", organised by TARU at New Delhi, September 21, 2016.
- As an Advisory Committee member attended a meeting on 'Peri-urban Dynamics and Sustainability', organised by CStep, Bangalore, at Bangalore, September 23, 2016.
- Attended 'Swacch Bharat Exposure Workshop for ULBs', organised by NIUA, at New Delhi from October 3-6, 2016.
- Participated as an expert in the CSE 'Stakeholder-cum-Expert Group Consultation Meeting' for preparation of a Policy Brief on 'Energy efficiency in Urban Water and Wastewater Management in the wake of Climate Change', at New Delhi on November 11, 2016.
- Made a presentation on "Saving Our Cities' Heritage" in 'The Future of Our Past' - Conservation of Historic Cities in South Asia, a conference organized by Observer Research Foundation, at Mumbai on November 16, 2016.
- Made a presentation on 'Planning for expanding cities – challenges and opportunities for peri-urban areas', in a conference on "Peri-urban Development: Concept, Emerging Ideas and Notions of Sustainability", organized by CStep at Chennai on January 27-28, 2017.
- Made a presentation on 'Urban infrastructure challenges and India's urban initiatives', in an International Training Programme organized by HSMI, at New Delhi on February 2, 2017.
- Participated in the 'Annual Training Conference on Disaster Management' at NIDM, I.P Estate, New Delhi, on March 7, 2017.
- Participated in a Closure Workshop on "Adopting Integrated Urban Water Management (IUWM)", organized by ICLEI at New Delhi on March 22, 2017.
- Made a presentation on the UCCR project to NIUA staff on March 23, 2017.

Others

- Prepared (along with Mahendra Sethi) and submitted a proposal to MOEFCC on 'Climate Change Impacts, Vulnerability and Adaptation in Urban Settlements', under MOEFCC's "India: Preparation of Third National Communication (TNC) and Other New Information to the UNFCCC" - Component: Climate Change Impacts, Vulnerability and Adaptation for Third National Communication.
- Provided bid documents to Oxford Policy Management, Lead of Consortium, for EU India project on Sustainable Urbanization.
- Was external examiner for an M. Phil student's thesis on "Informal Sector Entrepreneurship in the Urban Fringe of Jhusi, Allahabad", G.B. Pant Social Science Institute, Allahabad.
- Was a member of an Advisory Committee set up by GEAG for a UNICEF project titled "Urban Governance and Climate Change Resilience".
- Gave comments on a paper on "Urban Affordable Housing: Decoupling Material Resources", prepared by Development Alternatives.
- Prepared presentation on Skill India for MOUD. Attended meeting at MOUD on Skill India on June 8, 2016.
- As a member of Project Steering Committee on Earthquake Disaster Risk Index (EDRI), formed by the National Disaster Management Authority, attended the second meeting of the Committee at New Delhi on June 17, 2016.
- Prepared material for joint bidding for project (with IIED under RCUK).
- Hosted the discussions for students from John Hopkins (USA) who visited NIUA, on January 11, 2017.

- Was a member of the Interview Panel at IIPA to select Assistant Professor, Urban Development, March 2, 2017.
- Represented NIUA as Presenting Officer in R P Singh suspension case.
- Answered Parliament Questions

Shyamala Mani

Member of Committees

- Member of Expert committee for PG Diploma in Environmental and Occupational health of IGNOU.
- Member of Internal Complaints Committee on Sexual Harassment of Women in NIUA.

Seminars, Workshops and Meetings:

- Attended a presentation on "GIS for Water Distribution" made by ESRI India and ESRI USA at Conference Room, 2nd Floor, NIUA on April 5, 2016.
- Attended workshop on 'Transport Governance Indicators', organized by NIUA at NIUA on April 7, 2016
- Inaugurated Swachh Bharat Mission Exposure workshop series from May to October and also the first workshop, at United Services Institution of India, Rao Tularam Marg, New Delhi, held from May 2 - 5, 2016.
- Attended 'India launch of World Development Report 2016' and a roundtable on India's digital transformation. Mr. Onno Ruhl, India Country Director of the World bank attended and released the report, at Gulmohur Hall, IHC, on May 10, 2016.
- Attended International Workshop on Extended Producer Responsibility (EPR): Opportunity, Challenges and Lessons from International Experience, organized by CPCB, MoEFCC and GIZ, at IHC on May 12, 2016.
- Conducted Second SBM Exposure workshop at USI, New Delhi and took the participants for 2 days exposure site visits from the northern states of UP, Uttarakhand, J&K, Himachal Pradesh, Punjab, Haryana and others It was attended by 18 participants from ULBs and some local NGOs, from May 16 -19, 2016.
- Attended 'Conversation on Urbanization' lecture by Prof. Sharad P.Kale, Associate Director, BARC organized by ICRIER at Gulmohur Hall, IHC, New Delhi on May 25, 2016.
- Conducted Third Batch SBM Exposure workshop at USI, New Delhi and took participants on site visits on SWM to 12 locations in 2 days and also oriented them with guest lectures and group activities. 17 participants from Eastern, North-eastern, western and norther regions attended the workshop, from June 6 – 9, 2016.
- Attended Swachh Bharat Abhiyan book release. Chapter on 'Inclusive Sanitation for Swachh Bharat Mission, written by me was published in the SBA book in English jointly edited by Smt. Mridula Sinhaji (Hon. Governor of Goa) and Shri.RamKripal Sinha, Former Union Minister, GOI at MOUD conference hall on June 15, 2016.
- Attended 'Sustainable Urban Habitat and Climate Change' organized by the UCCR team and Knowledge network at NIUA conference room on June 16, 2016.
- Attended NITI SCE, an Urban Management workshop on Waste Water and Solid Waste management at Ashoka Hotel on June 16, 2016.
- Conducted the Fourth batch SBM Exposure workshop at USI, New Delhi. Over 15 participants from different parts of the country especially from West Bengal, Bihar, Chhattisgarh, North Eastern states of Nagaland, Tripura, Assam and Manipur attended the workshop and exposure visits, from June 20 – 23, 2016.

- Presented regarding objectives and activities of NIUA under Swachh Bharat Mission and road ahead to the participants of the one day conference on Urban Management organized by the Association of Municipalities and Development Authorities (AMDA) under NCRPB at Juniper hall in IHC, New Delhi on June 24, 2016.
- Spoke on Constructive Roadmap to handle waste effectively in coming 5-7 years along with PPP model and updated technology at the 4th National Conference and Awards seminar on 'Waste to Wealth' organized by ASSOCHAM at Gulmohur Hall, IHC, New Delhi on June 30, 2016.
- Attended India Policy Forum organized by NCAER wherein the annual lecture was delivered by Mr. Arvind Subramanian, Chief Economic Advisor to Government of India, at IIC Multipurpose Hall, on July 12, 2016.
- Attended meeting at TARU as member of UCHAI Advisory Committee on Community based end-to-end EWS for dengue in Gurugram (Gurgaon), at TARU office on Aurobindo Marg, on July 8, 2016.
- Presented on 'How cities are managing their solid waste: Understanding economics of solid waste management' in the workshop on "Solid Waste Management", organized by Centre for Science and Environment, at IHC, on July 12, 2016.
- Gave presentation and recommendations for Solid waste and Industrial waste management that can be adopted by the Corporates in a seminar on 'Waste management' organized by ASSOCHAM at Gulmohur, IHC, New Delhi on July 14, 2016, which was attended by Corporates, ULBs and many other stakeholders.
- Attended a preparatory meeting prior to dissemination of the roadmap on National Heat wave Management Action Plan for India, at TARU on July 15, 2016.
- Participated during brainstorming session on the development of Nationally Appropriate Mitigation Action in the Waste Management sector, at GIZ office in Safdarjung Enclave, New Delhi, on July 18, 2016.
- Presented on 'PPP for SBM' at a one day workshop on "Innovative Practices under Swachh Bharat Mission across the Country", organized by Swachh Bharat Abhiyan, Dr. B. R. Ambedkar Chair in Social Justice, Indian Institute of Public Administration (IIPA), held at IIPA, on July 27, 2016.
- Attended UCHAI meeting, organized by TARU Leading Edge regarding the various proposals that can be put up to Ministry of Science and Technology for projects concerning Understanding Climate Change and Health Associations in India (UCHAI). This was chaired by Dr.Sanjeev Kumar, Director, NHSRC, at National Health and Social Research Centre (NHSRC), Munirka, New Delhi, on September 14, 2016.
- Participated in 'Urban Transition in BRICS', 3rd BRICS Urbanisation Forum at Vishakapatnam on September 15, 2016.
- As a Lead Speaker in the Technical session 2 on 'Vulnerability to Natural hazards,' made a presentation on 'Urban vulnerability to climate disaster' at IDC Foundation's at National Conference on "Disaster Management Preparedness" at IIC, N Delhi, on September 16, 2016.
- Co-Chaired a session along with Dr.Mihir Bhatt on Sectoral Perspectives in the National Consultation on Roadmap for Heatwave Management in India, organized by TARU Leading Edge in collaboration with Indian Institute of Public Health, Gandhinagar (IIPH-G), Indian Meteorological Society (IMS), Understanding Climate and Health Associations in India (UCHAI) initiative and with support of Climate Development and Knowledge Network (CDKN) and Asian Cities Climate Change Resilience Network (ACCCRN) of The Rockefeller Foundation, at The Park Hotel in New Delhi on September 21, 2016 .

- Participated in Kickoff Workshop of UK-India Joint Network on Sustainable Cities in New Delhi at Juniper, IHC, New Delhi on September 26, 2016.
- Attended Expert Advisory Committee meeting of Waste Management (Swachh Bharat Mission) of Ministry of Science and Technology to discuss the second call for proposals under the above scheme, at DST on October 21, 2016.
- Deputed persons to attend the workshop organized by MOUD in collaboration with GIZ, who have developed a training-cum-ToT based on the revised MSWM manual and SWM Rules, 2016. This Training of Trainers (ToT) was aimed at enabling trainers from training institutes to conduct the training based on the revised MSWM Manual and SWM Rules, 2016.
- Attended Indo-Dutch Working Group meeting on Urban Development organized by MOUD, at IHC, on October 25, 2016.
- Attended International Conference on 'Cities4Kids : Small Children, Big Cities - Urban95', at Hotel Le Meridien, New Delhi, February 2-3, 2017.
- Delivered Inaugural lecture on 'Sustainable and Safe Plastics Waste Recycling' to Undergraduate students of Miranda House during their seminar on Green Chemistry and Environment at Miranda House, University of Delhi, Delhi on February 6, 2017
- Delivered lecture on 'Best Practices in Solid Waste Management in India (including Recovery of Energy from Waste)' on February 8, 2017 at the National Training Programme on "Integrated Environment Management of Cities and Audit of Urban Planning and Management Practices" for officers of Indian Audit & Accounts Department at International Centre for Environment Audit and Sustainable Development (ICED), Jaipur, from February 6-10, 2017.
- Attended and contributed during the Monitoring, Reporting and Verification (MRV) workshop for waste NAMA, organised by GIZ, NATCOM and MoEFCC at NATCOM Project Office, New Delhi on February 17, 2017.
- Delivered lecture to functionaries of EDMC during Capacity Building Training Programme under SBM of EDMC on 'Delhi State/City Sanitation Policy, Plan & Strategy for the effective implementation of SBM (Urban)' and 'Roles & responsibilities of municipal officials in Solid Waste management of Delhi' at EDMC office at Karkaduma, Delhi, on February 17 and March 3, 2017.
- Delivered lecture on Solid Waste Management during National Seminar held at the Centre for Environment and Resource Management of Guru Gobind Singh Indraprastha University at GGIU, Dwarka, New Delhi, on March 17, 2017.

Others

- Paper submitted as co-author along with Aditya Ajith and Samjukta Bhaduri to Urban India 'Planning Imperatives for Electronic waste management in Delhi' was published in Volume 35, issue 1 pages 114-144 and electronic version was uploaded on April 4, 2016.
- Visited Jaipur for understanding PET recycling at Ringus plant of Bhilwara group along with Ms. Vedika Modi of the Bhilwara group of textile companies, on April 7 – 8, 2016.
- Inputs given to Ms. Swati Sambyal on Plastics waste management Rules 2016 were included and article was published online on April 12, 2016.
- Worked with King George's Medical University for developing proposal on biomedical waste management training in five states and submitted proposal to UNIDO along with KGMU, Lucknow, on April 13, 2016.
- Gave inputs on new technologies and institutes under Expert Advisory Committee on Waste Management in Ministry of Science and Technology on April 16, 2016.

- Finalized and submitted letter to National Commission on Women regarding a pending case on Sexual Harassment as the Chairperson/ Coordinating officer of the Internal Committee on Sexual Harassment at NIUA on April 18, 2016.
- Attended 'After COP 21: India's Role in and beyond the Paris Agreement' held at Embassy of France, Chanakyapuri, on April 19, 2016.
- Attended presentation on Healthcare Technology and Creative industries at the Embassy of Belgium, Chanakyapuri, on April 21, 2016.
- Attended presentation by the Leuven group, Belgium on 'Healthcare Technologies' at NIUA, on April 22, 2016.
- Attended Earth Day celebration with tree plantation in RWA at GK II and C. R. Park, New Delhi, on April 22, 2016.
- Gave inputs to Chintan for their report on Hazardous Waste Management Rules 2016, which was published on May 10, 2016.
- Delivered a two-hour lecture on 'Sustainable and Safe Plastics waste recycling' to third year engineering and other faculty students of National Institute of Technology (NIT) at Tiruchirapalli through Skype organized by DEE (Department of Environmental Engineering), NIT-T through their faculty Dr. Manickam Premalatha.
- Contributed to Smart net content especially Solid Waste Management and Sanitation as requested by May 31, 2016.
- Worked on Transaction advisory project proposal with ADB and other partners. Proposal submitted to MOUD for funding, on June 1, 2016
- Wrote two units in Course 2 Block 1 for IGNOU's Biomedical waste management certificate course material, coordinated by IGNOU's School of Health Sciences and submitted for final scrutiny on June 1, 2016
- Guiding MSc student Ms. Rashmi Srivastava and PhD student Ms. Bini Samal for finalizing interview schedules and locations for administering them and also coordination with various institutions for sample collection and analysis in April, May and June, 2016.
- Paper on 'Planning Imperatives for Electronic Waste Management in Delhi' co-authored by me, published in Urban India Vol.5, No.1, pp 114-144.
- Guided an intern from IEISL of IL&FS at the instance of Director NIUA for sustainable waste management, on April 6, 2016
- Discussed with GIZ team especially Mr. Abhijeet Banerjee on Construction and Demolition Waste Recycling, for evolving training programmes on the same as a follow up of the SBM Exposure Workshops held at USI till October 2016, at NIUA, on August 5, 2016.
- At the instance of Director, collected inputs from Research group on NITI Ayog – Vision for Urban Transformation and collated the same to give a consolidated document from NIUA to NITI Ayog on August 11, 2016.
- At the instance of the Director, along with other Research group members, gave suggestions for Smart City indicators on the draft for discussion circulated by MOUD on September 17, 2016.
- Continued to guide PhD student Bini Samal for her thesis on contamination of landfill site and ground water from domestic hazardous waste through July, August and September 2016.
- Gave telephonic interview to Ms. Madhu of Forum for the Future on Power Up Odisha funded by the Ministry of New and Renewable Energy (MNRE) and the UK Department for International Development (DFID). This project financed under the Energy Access Policy Fund (EAPF), is designed to articulate the role of decentralised renewable energy in achieving the ambitious 24x7 Power for All plan in the state of Odisha.

- Attended third webinar of UCHAI webinar series supported by NIEHS. The topic of the webinar is Integrating Heat Adaptation with Climate and Disaster Plans at State and National Level in India, on October 25, 2016.
- As guide, checked PhD student Bini Samal's survey questionnaires, data and helped writing her thesis.
- Gave Comments on Concept Note on Promoting Innovative Smart Solutions under SCM, at the instance of Director, NIUA, on January 2, 2017.
- Attended meeting organized for students of the John Hopkins University visiting India to get a perspective on various development aspects at NIUA on January 11, 2017.
- Discussed with Aditya Sharma and Chairman of the Board and CEO, Jan Grimbrandt of Boson Energy of Luxembourg regarding Waste to Energy projects in India and learnings we can take from Swedish and Luxembourg experiences, at NIUA, on January 16, 2017.
- Met Mr. Surojit Bose and Ajai from HCCBPL Kerala and looks after plastic waste at Coca Cola, and cleared their doubts regarding management of plastic waste and suggested some approaches as recommended in the Plastic Waste Management Rules 2016, on January 18, 2017.
- Attended and contributed to roundtable organized by WaterAid on management of menstrual waste at Iris Park Hotel, New Delhi, on January 20, 2017.
- Contributed to the list of sectors where NIUA can conduct EIA in the letter of accreditation sent by MoEFCC on January 21, 2017.
- Attended and contributed as a subject expert during the first meeting of the Central Monitoring Committee for implementation of the Solid Waste Management Rules 2016 held at MoEFCC on January 25, 2017.
- Provided detailed inputs on NIUA Manual as requested by Director on January 30, 2017.
- Recorded episode on 'Urban Waste Management' for the TV series Astitva which was broadcast on March 12th and 13th over DD National as a discussion with anchor Mr. Abhilash Khandekar and Mr. Suhaas Ghond, a biomethanation technologist from Solapur, Maharashtra, on February 9, 2017.
- Contributed an article as expert view on "Institutional Issues in waste management in India" for the "Handbook and Directory on Waste Management" exclusively catering to Gurgaon edited and published by Ms. Shubhra Puri of Gurgaon First, an NGO in Gurugram. The book, was launched by Hon. Minister of State, Urban Development, Shri. Rao Inderjit Singh, at the auditorium of Government Girls College, Sector 14, Gurugram, on March 17, 2017.
- Undertook 'Certificate Programme for Management Consulting, January-March 2017'. Completed course, exam and passed, at CDC, IHC from January 8 to March 19, 2017.
- Continued to guide PhD student Bini Samal, who will soon be presenting the results during her pre-PhD seminar at IIFM, Bhopal.
- Took over as Editor, Urban India from February 15, 2017.
- A proposal was submitted to the MOUD for 'Study of Interaction between Waste Management and Public Health' under Swachh Bharat Mission, on March 11, 2017.
- Participated in a consultative symposium held to deliberate upon the structure of the National Capacity Building Program to solicit the valuable suggestions from eminent institutions, academicians in the relevant field and persons – scientific & administrative involved in the waste management strategies and implementation, at MoEFCC on March 31, 2017.
- Worked on completing the Exposure Field visit manual which was used during the SBM_SWM Exposure Workshops in 2016 by including chapters on planning and preparation of Detailed Project Reports (DPRs), proposals for conducting IEC activities and details of submitting data

for SBM Sarvekshan for improving Solid Waste Management in the various ULBs as per MoUD guidelines, January - March, 2017.

Debolina Kundu

Member of Board/ Committees

- Editorial Board member of Journal of Contemporary Urban Affairs, February 23, 2017
- Member of Mid Term Evaluation of Committee of Deendayal Antyodaya Yojana-DAY-NULM

Seminar/workshops

- Panel discussant in the session titled 'Private Enterprises' at the National Seminar on Private Sector and Social Inclusion: Issues related to Employment, Capital and Education on the occasion of 125th Birth Anniversary of Dr B.R. Ambedkar on April 14, 2016.
- Made a presentation on Indian Database System at the Brain Storming Workshop on Future of Asian Cities: Geography of Jobs at ADB Headquarters, Manila, Philippines, April 21-22, 2016.
- Addressed the OTs of IAS Phase-I, LBSNAA, Mussoorie on May 5, 2016.
- Presentation on Cooperation between BBSR and NIUA – Overview and Open Discussion and Wrap-Up the Day at Metropolitan Solutions Berlin 2016 / BBSR Berlin Ernst Reuter Building, Indo-German Collaboration on Sustainable Urban Development and 100 Smart Cities in India Tuesday, May 31, 2016.
- Made a presentation on Workshop on Urban Governance for Sustainable Development in Asia: Access to Services for Social Equity held at the JW Marriott Hotel in Surabaya, Indonesia from July 21-23, 2016
- Made a presentation on Urban Governance in India in the Workshop on Urban Governance for Sustainable Development in Asia: Access to Services for Social Equity held in Surabaya, Indonesia from July 21-23, 2016
- Organised a talk by Dr. Rana Hasan, Director, Development Economics and Indicators Division, Economic Research and Regional Cooperation Department, Asian Development Bank on "Urban Agglomeration, Specialization and Diversity: Evidence from India", NIUA, August 24, 2016 .
- Participated in a Roundtable on Urbanisation and Livelihoods CII on the 'Future of Jobs' with the Boston Consulting Group (BCG) on September 13, 2016.
- Presented 'Urbanisation and State of Water Service Delivery in India: Issues and Challenges', Indo- German Dialogue on Sustainable Water Resource Management, October 4, 2016.
- Made a presentation on 'Indian Smart Cities' in Songdo, Korea at the 2016 International Conference on Global Smart Cities, November 7, 2016
- Panelist in 'Innovations in Affordable Housing' - A conference under the GoI's ambit of "Housing for All" programme, organized by My Liveable City and Kamla Raheja Vidyanidhi Institute of Architecture and Environmental Studies, Mumbai December 20, 2016.
- Attended a roundtable on SHRAMIC: Background, Progress and Way Forward, at CPR, New Delhi on January 10, 2017.
- Attended the City Data for India National Roundtable organized by Tata Trusts & World Council on City Data, in Mumbai, January 20, 2017.
- Made a presentation to a team of architects and planners on Status of Drainage System In Urban India, organized by HUPA and HUDCO at the National Seminar, at IIC, N. Delhi on January 21, 2017.

- Attended a deliberation of the Project Management Committee constituted under the Inclusive Cities Partnership Programme (ICPP) on “Indo-German Programme for Sustainable Development of Smart Cities”, MHUPA, February 15, 2017.
- Attended the Brainstorming and Coordination Workshop for the Indo-German Programme on Sustainable Urban Development – Smart Cities, organised by GIZ, New Delhi on February 22, 2017.
- Participated in a workshop on “Labour Migration and Social Change in South Asia”, organised by the Centre for Policy Research (CPR), Centre de Sciences Humaines (CSH) under the auspices of Tata Trusts’ SHRAMIC initiative, at CPR on March 27-28, 2017.
- Made a presentation in the MHUPA on a Technical Proposal “Study on Implementation of Pradhan Mantri Awas Yojana (PMAY) (Urban) in Smart Cities – Stage One”, March 30, 2017.

Others:

- Reviewer for SAGE manuscripts
- Reviewer for EPW
- Fiscal Transfers and Urban Policy: The Magnitude and Mechanisms of Urban Dependency in India, EPW, April 10, 2016.
- Housing and Basic Infrastructure Differential Access across Metropolitan and Non-metropolitan Class I cities of India Shelter Magazine, April, 2016.
- Comments on the paper "Segregated Data of Urban Poor for Inclusive Urban Planning in India—Needs and Challenges , Sage Publications, April 2016
- Detailed analysis and status (State/UT wise) regarding the Implementation of 74th Constitutional Amendment, April 8, 2016.
- Comments on the UN theme paper of smart cities, April 13, 2016.
- A presentation was made by NIUA on Status of Implementation of "The Constitution Seventy-Fourth Amendment Act, 1992, May 3, 2016.
- Prepared the minutes for the NIUA on Status of Implementation of "The Constitution Seventy-Fourth Amendment Act, 1992 May 3, 2016.
- Information sought for preparation of Report on the Social, Economic and Political Status of Women in 8 North Eastern States, May 16, 2016.
- Prepared a presentation for Director, MOUD on Urban Economy, May 23, 2016.
- Prepared a presentation for Director, MOUD on Evaluation of Policy Programmes in India, May 27, 2016
- Prepared City Picture, May 30.5.16.
- Prepared comments on the Global Report on Local Democracy and Decentralization (GOLD IV) Chapter 2 –Intermediary Cities: The Vital Nexus between Local and Global Cities Draft v.1, April 2016, June 7, 2016.
- Guide for annual Researching Reality Internship 2016, Centre of Civil Society, June 11 - July 15, 2016.
- Prepared inputs for the 8th BRICS Summit-Inputs for Goa Declaration (Zero Draft), July 7, 2016.
- Gave comments on the Uttar Pradesh Municipal Corporation (Amendment) Bill, 2015 July 12, 2016.
- Issue Briefing session for Parliamentarians as an expert on ‘Urban Housing’, July 28, 2016.
- Appointed expert by NITI Aayog for preparing a ‘15 year Vision’ document, August 1, 2016.
- Coordinated the preparation of detailed analyses of ‘Pillars’ of Urban Renaissance, August 10, 2016.

- Made a presentation on the issue of 'Housing and homelessness in India' for Channel NewsAsia in Singapore via skype, August 10, 2016.
- Guided a group of interns.
- Invited as a panelist for deliberating on the "Smart Cities Index" organized by Indian School of Business, through its Punj Lloyd Institute of Infrastructure Management, and with support from the Shakti Foundation, August 19, 2016.
- Prepared the presentation for the Secretary, UD on 'The Urban Renaissance', August 22, 2016.
- Prepared answers to the questions on 'Urban Development' for MOUD, September 6, 2016.
- Prepared talking points, 3rd BRICS Urbanisation Forum, 'Urban Transition in BRICS', Visakhapatnam, for MOUD, September 14 – 16, 2016.
- Prepared a presentation for the Minister of State UD, 3rd BRICS Urbanisation Forum, 'Urban Transition in BRICS', Visakhapatnam, for MOUD, September 14 – 16, 2016.
- Prepared the presentation for the UDM UD 3rd BRICS Urbanisation Forum, 'Urban Transition in BRICS', Visakhapatnam, for MOUD, September 14 – 16, 2016.
- Prepared the speech for the Secretary, MOUD, GOI during the 3rd BRICS Urbanisation Forum 'Urban Transition in BRICS' Visakhapatnam, September 14 – 16, 2016.
- Commented on a draft for discussion on 'Smart City Indicators', for MOUD, September 16, 2016.
- Prepared the Terms of Reference for second High Powered Expert Committee (HPEC) to raise revenue of Urban Local Bodies, October 3, 2016.
- Prepared data points on Smart Cities, for MOUD, October 7, 2016.
- Prepared detailed comments on Smart City Indicators: Measurement tool for Smart Cities, for MOUD, October 11, 2016.
- Prepared a document on "The Issue of Financial Resources In Urban Areas", for MOUD, October 11, 2016.
- Prepared a document on "Urbanization – Urban Governance, Decentralization, challenges of political economy and capacity", for MOUD, October 14, 2016.
- Prepared a presentation for MOUD on Urbanization – Urban Governance, Decentralization, Challenges of Political Economy and Capacity, October 17, 2016.
- Shared comments on setting up an MOU with Public Finance India, October 19, 2016.
- Provided detailed comments on a manuscript on Migration, prepared by ADB, for MOUD, October 19, 2016.
- Coordinated the preparation of a report and presentations for Group of Secretaries for mid-term review of ten ministries (Sectoral Group #1 Urban, Health and Sanitation for MOUD), since October 21, 2016.- ongoing
- Provided feedback and advice on the draft 'Social Audit Guidelines' prepared by the Ministry of Housing and Poverty Alleviation, October 23, 2016.
- Provided inputs to HSMI on the population of cities, October 25, 2016.
- Provided a bibliography on Urban Poverty, for MOUD, October 28, 2016.
- Drafted a paper on Financing Urban Basic Infrastructure in India under the New Missions for MOUD, October 28, 2016.
- Prepared talking points on Perspective of Ministry of Urban Development regarding 'Participatory Local Budgeting of Urban Local Bodies', for MOUD, November 2, 2016.
- Prepared a bibliography on 'Best Practices in Urban Research', for MOUD, November 7, 2016.
- Prepared a note on 'Methods of Property Tax Assessment in India', for MOUD, November 8, 2016.

- Prepared detailed comments on 'Vision for Urban Transformation', for MOUD, November 8, 2016.
- Commented on the paper on "Inequality, Sufficiency and Sustainability of Urban Drinking Water in Uttar Pradesh, North India", for Social Change, Council for Social Development November 16, 2016.
- Prepared a proposal for funding on 'Growing Research Capacity to Meet the Challenges Faced by Developing Countries,' College of Social Sciences, University of Glasgow: Case for Support: GCRF RCUK Collective Fund, November 17, 2016.
- Gave an interview on 'Railway infrastructure' to CNN International, based in New Delhi, November 21, 2016.
- Commented on the paper "Segregated Data of Urban Poor for Inclusive Urban Planning in India- Needs and Challenges" for Sage Open journal, November 22, 2016.
- Guided an IAS officer of AGMUT cadre as part of Phase-II of IAS Professional Training, to conduct a study and submit a dissertation, November 22, 2016 – April 2, 2017.
- Made a presentation on "Urbanisation and Basic Services In India: Policy Response", in the 6th Asia Pacific Ministerial Conference on Housing and Urban Development (APMCHUD) December 15, 2016.
- Worked as a knowledge partner for the 6th Asia Pacific Ministerial Conference on Housing and Urban Development (APMCHUD), December 14-16, 2016.
- Commented on the NIUA Operations Manual/ Handbook
- Contributed an interview on the Housing Sector to the Construction World Magazine, February issue, 2017.
- Interview published in HT, February 6, 2017.
- Prepared a proposal with the University of Glasgow and GCRF Centre for Sustainable, Healthy, and Learning Cities and Neighbourhoods (CSHLH), February 11, 2017.
- Reviewed a paper on The Urban Politics of Transnational Climate Adaptation Finance: Development, Governance Reform, and New Dependencies in India for Global Environmental Politics, February 23, 2017.
- Prepared Talking Points on The V. Ramachandran Awards for Honorable Minister of MOUD and MOHUPA, GOI, March 1, 2017.
- Interview published in Mint, March 1, 2017.
- Helped in preparing a Technical Proposal Study on Implementation of Pradhan Mantri Awas Yojana (PMAY-Urban) in Smart Cities – Stage One, for MOHUPA.
- Commented on a paper for Elsevier Editorial Team on Urban Innovation through Policy Integration: Critical Perspectives from 100 Smart Cities Mission in India, March 20, 2017.
- Gave a telephonic interview to BBC, London on Internal Migration in India/Delhi, March 22, 2017.
- Attended a meeting of the Project Management Committee constituted under the Inclusive Cities Partnership Programme (ICPP) , HUPA on February 2, 2017.
- Attended meeting of Mid Term Evaluation of Committee of Deendayal Antyodaya Yojana-DAY-NULM, HUPA, March 15, 2017.
- Commented on the Collaboration for preparing Strategic Plan for Delhi 2041, March 22, 2017
- Commented on the appropriateness of the manuscript for publication prepared by ADB titled "Internal Migration, Urbanization and Poverty in Asia: Dynamics and Interrelationships", March 28, 2017.
- Answered to Parliament Questions

Debjani Ghosh

Member of Committees

- Expert Member, Dadra & Nagar Haveli Planning and Development Authority, Silvassa.
- Member of Internal Complaints Committee on Sexual Harassment of Women in NIUA.
- Appointed Enquiry Officer for the proceedings of Mrs. Poonam Malhotra (Jr. Hindi Translator) suspension case.
- Member, Expert Advisory Committee, CAPACities Project supported by Swiss Development Agency at NIUA.

Seminar/workshops

- Presented as panelist on theme “Managing Peri-Urban Expansion” in side event titled “Inclusive Cities: Leave no Person or Space Behind” at the third session of the preparatory committee of HABITAT III –Prepcom 3, organized by BMZ and GIZ, Cities Alliance and CDIA, at Surabaya, Indonesia, July 25-27, 2016.
- Organised and participated for MOUD the 2nd India-Dutch Joint Working Group Meeting on Urban Development at IHC, New Delhi on October 25, 2016. Proceedings summary was also prepared for MOUD and sent.
- Attended the Urban Climate Change Resilience Knowledge Sharing Workshop funded by the Rockefeller Foundation under ACCCRN project on December 16, 2016.
- Assisted MOUD in organising and participated in National Workshop on Urban Development: “Transforming Cities, Transforming Lives”, at Vigyan Bhawan, New Delhi on February 28, 2017.
- Panelist in session titled “Urban Transition” in ORF and OECD organized one-day workshop on “Growth, Investment and Low Carbon Transition” as part of discussion on their on-going study at ORF, New Delhi on March 7, 2017.
- Participant in roundtable on "The Urban Planning Conundrum in India" at SPA, Delhi on March 8, 2017.

Others

- Participated and updated progress to ADB at the K-Hub Regional Videoconference with all stakeholders on April 12, 2016.
- Prepared content and helped organize one day Conference on Urban Management by AMDA, New Delhi on June 24, 2016.
- Evaluation as external jury for M. Phil dissertation of Ms. Sangeeta Esther, CSRD, School of Social Science, JNU, New Delhi; June 27, 2016.
- Attended daylong preparatory meeting to review progress of arrangements for the 3rd BRICS Urbanisation Forum 2016 at Visakhapatnam on June 29, 2016.
- Prepared content for background information and presentation for “Transforming Urban Governance”-‘Building Capacities to Deliver on Goals’ and ‘Changing Urban Planning Structures and Frameworks’ for MOUD, July 1, 2016.
- Prepared revised proposal for NIUA ToR for AMRUT Capacity Building, for submission to MOUD, July 12, 2016.
- Attended 1st Steering Committee Meeting of the 3rd BRICS Urbanisation Forum 2016 under the Chairmanship of Chief Secretary, Andhra Pradesh to review progress, at Visakhapatnam on July 13-14, 2016.

- Attended 2nd Steering Committee Meeting of the 3rd BRICS Urbanisation Forum 2016 under the Chairmanship of Principal Secretary, Andhra Pradesh to review progress, at Visakhapatnam, on August 10-11, 2016.
- Evaluated presentation from respective teams of the Consulting firms who have submitted RFP for "Project Management Unit (PMU) for Capacity Building for Urban Development Project" on "Adequacy and quality of the proposed methodology and Work plan in responding to the Terms of Reference (TOR)" as part of Committee set up by MOUD on August 19, 2016.
- Attended NIUA-LSE India Observatory - Dissemination Workshop on "Water Resource Management & Governance in India", in New Delhi, on August 19, 2016.
- Evaluated and shortlisted applicant firms who have submitted EoI in response to PMU for CBUD project and SMART Cities Mission to MOUD; August-September 2016.
- Attended, participated and helped organize the 3rd BRICS Urbanisation Forum as knowledge partner of MOUD in Visakhapatnam, Andhra Pradesh, September 14 -16, 2016.
- Participated in Kickoff Workshop of UK-India Joint Network on Sustainable Cities supported by RCUK, at IHC, New Delhi, September 27 -28, 2016.
- Attended and evaluated as member of Committee in MOUD, the presentations by short listed firms for conducting international exposure visit for Smart City officials under the CBUD project; October 2016.
- Prepared background note titled "People Centric Training and Capacity Building of functionaries of Urban Local Bodies" for the subject selected by Standing Committee on Urban Development for examination and reporting during 2016-17 to the Lok Sabha Secretariat; October 2016
- Peer reviewed 2 abstracts for papers titled 'Analysis of mobility and shared infrastructure of Urban NORCs - A case of Kolkata Government Housing' and 'Participatory design in an urban mismatch' submitted for the International Conference on Sustainable Built Environment to be organized by the Architecture and Planning Department at IIT Roorkee from February 5-7, 2017; November 2016.
- Participated and updated progress to ADB at the K-Hub Regional Video conference with all stakeholders on November 9, 2016.
- Prepared background note for "Industrial Zones (National Manufacturing Zones and Software Technology Parks) in and around cities and their impact on Urban Infrastructure" for Standing Committee on Urban Development for examination and reporting during 2016-17 to the Lok Sabha Secretariat; December 2016
- Finalised Conference Highlights and Proceedings of BRICS Urban Forum and sent to MOUD; December 2016.
- Reviewed and gave comments on the Draft report on "Capacity Needs Assessment: Addressing Faecal Sludge and Septage Management" under Sanitation Capacity Building Platform Project at NIUA, January 2017.
- Participated and updated progress to ADB at the K-Hub Regional Video conference with all stakeholders on January 9 and March 30, 2017.
- Prepared and submitted joint proposal with CEPT, Ahmedabad to Regional Science Association, UK on policy research on Industrial Strategies and Role of Industry in City & Regional Development titled "Role of Automobile Industry in Growth of Chennai", March 6, 2017.
- Evaluated M. Phil dissertation of CSR department, School of Social Sciences, JNU, New Delhi titled "A Study into the Experiences of the Homeless Women in the Night Shelters of Delhi" by Ms. Sangeetha Esther.

- Reviewed and prepared comments for way forward in administering the 'Livability Index' prepared by MOUD, March 11, 2017.
- Submitted joint paper for APSA 2017 Congress to be held in China titled "Exploring Urban Planning Curriculum for Integration of Disaster Risk Reduction and Climate Change: The Case of Indian Planning Schools"; March 15, 2017.
- Gave inputs for the ESP 2021-2041 for Delhi and participated in brainstorming meeting at NIUA on March 22, 2017.
- Reviewed paper for Urban India Vol. 36 issue 2, titled 'Exploring Sustainability of Smart Development Initiatives in India', March 27, 2017.
- Attended first Expert Advisory Committee meeting as member for the CAPACities project at NIUA, supported by the Swiss Development Agency, March 31, 2017.
- Prepared reply to Parliament Questions

Sandeep Thakur

Member of Board/ Committees:

- Nominated as a member of 'Valuation Committee of NDMC'. Attended meetings.
- Nominated as a Special Invitee on Committee on Accounting Standards for Local Bodies, at ICAI, New Delhi. Attended meetings.

Seminar/ workshops

- Presentation was made at the Conference held at the Asian Institute of Technology (AIT) titled, "Water Security and Climate Change (WSCC): Challenges and Opportunities in Asia", from November 29 to December 01, 2016,
- One day knowledge sharing workshop was organized, where presentations were given to share urban flood research study observations. The event was organized under the RF research programme implemented by the NIUA, at IHC on December 16, 2016.
- Participated in the meeting on draft document "Model SoP on urban flooding" prepared by MOUD for the feedback of various government and relevant institutes/organizations. Feedback on SoP was shared based on the experience of urban flood resilience project in four study cities, held at NIUA on December 16, 2016.

Others

- **Technical support to MOUD on Procurement of Project Management Units at MOUD for Missions of Swachh Bharat, Capacity Building for Urban Development, AMRUT, and Smart Cities Mission**
 - As a member of the Committee at MOUD undertaken the detailed technical evaluation of the Request of Expressions of Interest (REOI) and Request for Proposal (RFP) for selection of Project Management Units of Swachh Bharat, Capacity Building for Urban Development, AMRUT, and Smart Cities Mission.
 - REOIs and RFPs for four PMUs were evaluated in details w.r.t. the guidelines given by MOUD. Before the evaluation of proposals, the criteria were discussed with MOUD officials and proposals were evaluated based on financial strength, experience for relevant assignment and CVs proposed by the firms
 - 17 Smart City, 25 AMRUT and 25 IRMA REOIs were evaluated and several meetings with MOUD officials were done during the evaluation period

- After the REOIs evaluation, 18 technical proposals (six for each of the PMUs) were further evaluated for the final selection of PMU and the selected firms were invited to give presentations
- 6 CBUD RFPs were technically evaluated in consultation with MOUD and World Bank.
- **Technical Support to MOUD for preparation of Value Capture Finance Policy Framework and undertaken a Detailed Research Study on Value Capture Financing**
 - A VCF Policy Framework and research Study was drafted to encourage States to adopt innovative fiscal tools such land value capture to improve the financial health of municipalities across the country, as well as to deliver quality infrastructure
 - The Policy Framework and Study were developed as essential documents to enlighten States and Union Territories with the concepts and idea behind introducing VCF at the local level
 - Legal research was conducted on existing VCF mechanisms internationally and the existing VCF mechanisms and laws in India
 - A presentation was prepared and shared with MOUD before the Study was drafted and compiled
 - An exhaustive list of VCF mechanisms and the legislature associated with them that existed in each State was compiled and presented to MOUD
- **Technical support to MOUD for Procurement of Project Management Units for the North-Eastern States for AMRUT Mission, and Independent Review and Monitoring Agency for AMRUT Mission**
 - As a member of the Committee at MOUD undertaken the detailed technical evaluation of the Request of Expressions of Interest (REOI) and Request for Proposal (RFP) for selection of Project Management Units of NE States and IRMA under AMRUT Mission
 - REOIs and RFPs for four PMUs were evaluated in details w.r.t. the guidelines given by MOUD. Before the evaluation of proposals, the criteria were discussed with MOUD officials and proposals were evaluated based on financial strength, experience for relevant assignment and CVs proposed by the firms
 - 26 REOIs for NE States and 25 IRMA REOIs were evaluated and several meetings with ADB and MOUD officials were done during the evaluation period
 - After the REOIs evaluation, 12 technical proposals (six for each of the PMUs) were further evaluated for the final selection of PMU and the selected firms were invited to give presentations
- Research paper has been selected for publishing in a Book series of Springer Water titled, “Water Security in Asia: Opportunities and Challenges in the Context of Climate Change”. The editors of the book are Babel, M.S., Haarstrick, A., Ribbe, L., Shinde, V., Dichtl, N.
- Prepared answers to Parliament questions.

Paramita Datta Dey

Member of Committees

- Public Information Officer for RTI at NIUA.

- Member, India sanitation Coalition Expert group on Best Practices
- Member, National Fecal Sludge and Septage Management (NFSSM) Group

Seminar/workshops

- Participated in:
 - Fourth Annual Conference on Sewage and Wastewater Treatment, Trends and Developments; Challenges and Opportunities, Le Meridien, New Delhi, April 26-27, 2016.
 - Monitoring and Learning for Urban Sanitation, organized by Bill & Melinda Gates Foundation WSH Program, New Delhi, May 2, 2016.
 - Meeting of the Task Force on Best Practices in Sanitation, organized by the India Sanitation Coalition, India, FICCI, New Delhi, May 4, 2016.
 - Launch of Sanitation Innovation Accelerator 2016 (SIA'16), organized by TARU Leading Edge, IHC, New Delhi, May 25, 2016.
- Resource Person in Annual BMGF WSH Partners Meet, organized by BMGF, Taj Man Singh hotel, New Delhi, August 16 -17, 2016.
- Presentation on the Sanitation Capacity Building Platform (SCBP), Introductory Workshop and Exposure visit on Fecal Sludge Management (FSM), organized by SCBP (NIUA) and CDD, Bangalore, August 22-23, 2016.
- Presentation on SCBP to Commissioners of AMRUT cities at Lucknow, UP, September 27, 2016,
- Participated in:
 - Workshop on Water Resource Management and Governance in India organized as part of UKIERI-UGC funded research taken up by LSE India Observatory and University of Hyderabad, NIUA, New Delhi, August 19, 2016
 - National Workshop on "City's journey beyond ODF - Fecal Sludge and Septage Management New Delhi, September 9, 2016.
 - Workshop on Harnessing open data, organised by U-Chicago in partnership with the Urban Center for Computation and Data (UrbanCCD) and Argonne National Laboratory, U Chicago Centre, New Delhi, September 12-13, 2016.
 - National Consultation on Roadmap for Heatwave Management in India, IIPH-G), organised by Indian Meteorological Society (IMS), Understanding Climate and Health Associations in India (UCHAI) initiative and with support of Climate Development and Knowledge Network (CDKN) and Asian Cities Climate Change Resilience Network (ACCCRN) and Rockefeller Foundation, New Delhi, September, 21, 2016.
 - Insights, a WASH Dialogue and Partnerships Forum, organised by TARU, IRC and ISC, FICCI, New Delhi, September 23, 2016.
 - India Sanitation Conference 'INDOSAN', organized by Ministry of Drinking Water and Sanitation and Ministry of Urban Development, GoI, New Delhi, September 30, 2016
- Completed the Grant and Cooperative Agreement Course for USAID Staff and Partners, Training program, New Delhi, October 3-7, 2016.
- Presentation on the Sanitation Capacity Building Platform, in the "Brainstorming workshop, under the chairmanship of Principal Secretary, UD & HD", at Patna, October 5, 2016,
- Represented NIUA as Team Leader of the SCBP project at the South Asia City Partners Convening on Sanitation in Dakar, Senegal, November 14-18, 2016.
- Panelist on Identifying new ways to approach sanitation infrastructure under AMRUT / SBM, 2nd Annual National Summit, Sustainable Water and Sanitation, organized by CDD Society, New Delhi, December 1-2, 2016,
- Participated in:

- 4th Beyond the Pipe India Forum on ‘Practical Solutions to Scale Small Water Enterprises’, New Delhi on October 14, 2016.
- Roundtable discussion on Sustainable Housing Leadership Consortium Meeting, organized by IFC as a part of the Eco-cities Program, New Delhi on November 22, 2016.
- The sixth Asia Pacific Ministerial Conference on Housing and Urban Development, organized by the Ministry of Urban Development, Government of India, , New Delhi December 14–16, 2016.
- Presentation on "Developing a city-level FSM capacity building programme, 4th International Faecal Sludge Management Conference FSM 4, at Chennai, February 19 – 22, 2017.
- Participated in:
 - National workshop on ‘Urban Development’ at Vigyan Bhavan, New Delhi, February 28, 2017.
 - Workshop for ‘Development of USAID results framework in WASH’, New Delhi, March 1, 2017.

Others

- For carrying out needs assessment of States and cities, visited Bhagalpur on July 11 to 15 and Hyderabad on July 26 & 28, 2016.
- Submitted the queries to the final proposal (technical and financial) prepared for developing an ‘Innovation Hub’ For Urban WASH Solutions to USAID (linked to Gol's Swachh Bharat, AMRUT and Smart City Mission). Proposal is under examination by USAID.
- Submitted the queries to the final proposal (technical and financial) prepared for developing an ‘Innovation Hub’ for Urban WASH Solutions to USAID (linked to Gol's Swachh Bharat, AMRUT and Smart City Mission). Proposal is under examination by USAID.
- Visited Gudur (August 3-6, 2016)) and Varanasi (August 10 -12, 2016) for carrying out needs assessment of States and cities.

Mahendra Sethi

Seminar/workshops

- Participated in the event ‘Connect Karo – People, Transport, Cities’, organized by WRI India at IHC, New Delh, from April 5-7, 2016 .
- Delivered a paper on ‘Localizing the Global Urban Agenda’ during the session: Smart Urban Planning in the ‘2nd Smart Cities India Expo’, at Pragati Maidan, New Delhi, May 11-13, 2016.
- Attended national conference on ‘Reforming and Rejuvenating Indian Higher Education – A stakeholder’s perspective’, organized by Education Promotion Society for India in New Delhi on May 18, 2016.
- Participated in the Symposium on "Sustainable Urban Habitat and Climate Change" organized by NIUA, on 16, June, 2016.
- Attended national conference on Finance, Innovation, Policy and Sub-national Actions towards Low-Carbon Development in India organized by TERI and Shakti Foundation in New Delhi on September 17, 2016.
- Participated in the third National Consultation on SDG 6 (Focus on Sustainable Water Use and Sanitation) in New Delhi on August 9, 2016.
- Participated in Kickoff Workshop of UK-India Joint Network on Sustainable Cities, India Habitat Centre organized by NIUA and RCUK, September 26-27, 2016.

- Participated in the conference 'Cityscapes', organized by DWIH at India Habitat Centre, New Delhi.
- Participated in the conference, 'Cityscapes' organized by DWIH at IHC, New Delhi, from September 29 to October 01, 2016.
- Attended BRICS Civil Forum, organized by RIS with the support from the Ministry of External Affairs, Government of India, in New Delhi on October 3-4, 2016.
- Participated the release of report titled 'Better Cities, Better Economy, and Better Climate: Shining New Light on India's Smart Urban Opportunity', by ICRIER and World Resources Institute (WRI) in partnership with University of North Carolina at Chapel Hill and the World Bank at India International Centre (IIC), New Delhi, on November 29, 2016.
- Participated and made paper presentation titled 'Land Resource Management for Urban Development in Mountain Regions' at the International Congress on Green Urban Futures- Mountain and the City at India International Center, New Delhi, held on February 9-10, 2017.

Others

- Assisted in submitting proposal on climate change Impacts, Vulnerability and Adaptation under TNC to MoEFCC
- Article 'Innovations to Usher Urban Sustainability', published in Urban Update, in the special issue for South Asian Cities Summit 2016.
- Preparation of a special volume on completion of 40 years of NIUA.

STAFF POSITION

As on 31st March 2017

Sl. No.	Name of the Post	No. of Staff Members
RESEARCH FACULTY		
1	Director	1
2	Professor	2
3	Associate Professor	1
4	Senior Research Officer	3
5	Editor	1
6	Research Officer	1
OFFICERS		
7	Administrative & Accounts Officer	1
8	Executive Officer	1
9	Librarian	1
SUPPORTING RESEARCH & TECHNICAL STAFF		
10	Junior Research Officer	2
11	Research Analyst	1
12	Project/Training Associates/Research Associates/ Research Fellow/Project Coordinator etc. (on consolidated wages)	47
13	Investigator	1
14	Senior Draughtsman	1
15	Personal Assistant	1
16	Supervisor (WPO)	1
17	Assistant Programmer	1
18	Supervisor (DTP)	1
19	Draughtsman	1
20	Junior Hindi Translator	1
ADMINISTRATIVE ASSISTANCE		
21	Accountant	1
22	UDC/Caretaker	4
23	Machine Operator	1
24	LDC/Records Clerk	5
25	Telephone Operator	1
26	Accountant (Project)/Accounts Assistant (Project)/Adviser (L&F), Private. Secretary, Senior Machine Operator (on consolidated wages)	6
DRIVERS & CLASS IV		
27	Driver	1
28	Peon/Chowkidar/ Messenger/ Farrash	6
29	Farrash/ Electrician/ Driver (on consolidated wages)	4
Total		99

ANNUAL FINANCIAL STATEMENT NATIONAL INSTITUTE OF URBAN AFFAIRS

For the Year Ended 31st March, 2017



**National Institute of Urban Affairs
1st & 2nd Floor, Core 4B
India Habitat Centre, Lodhi Road
New Delhi 110003**

NATIONAL INSTITUTE OF URBAN AFFAIRS
BALANCE SHEET AS AT MARCH 31, 2017
(Amount in Rupees)



Particulars	Schedule No	As at March 31, 2017	As at March 31, 2016
CORPUS/ CAPITAL FUND AND LIABILITIES			
Corpus & Capital Fund	1	750,56,977	788,36,085
Gratuity & Leave Encashment Fund	2	491,68,706	444,75,213
Research & Development Fund	3	40,26,859	(7,70,726)
Earmarked Fund	4	705,92,492	1383,43,005
Assets Fund	5	38,30,541	24,33,777
Current Liabilities & Provisions	6	217,70,993	83,59,865
TOTAL		2244,46,568	2716,77,219
ASSETS			
Fixed Assets	7	38,30,541	24,33,777
Investment - From Earmarked Fund	8	1062,62,547	1134,91,982
Investment - Others (Corpus)	9	866,05,274	862,51,413
Current Assets, Loans, Advances, etc.	10	277,48,206	695,00,047
TOTAL		2244,46,568	2716,77,219
Significant Accounting Policies	18		
Contingent Liabilities and Notes on Accounts	19		
Appendix	A to E		

As per our report of even date attached
 For **Oswal Sunil & Company**
 Chartered Accountants
 Firm Reg. No. : 016520N

CA Sunil Bhansali
 Partner
 M. No.: 054645



Place: New Delhi
 Date:

07 SEP 2017

For and on behalf of
NATIONAL INSTITUTE OF URBAN AFFAIRS

Jagan Shah
(Jagan Shah)
 Director

Diwan Singh
(Diwan Singh)
 Executive Officer

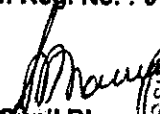



NATIONAL INSTITUTE OF URBAN AFFAIRS
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED MARCH 31, 2017
(Amount in Rupees)



Particulars	Schedule No	For the year ended 31 March, 2017	For the year ended March 31, 2016
INCOME			
Grant From Ministry of Urban Development	11	447,71,094	399,32,709
Project Grant (Transfer from Earmarked Fund)		1447,92,969	500,26,400
Transfer from Assets Fund - General (Depreciation)		82,191	69,408
Fees/Subscription	12	10,500	10,500
Income from Interest - Corpus Fund	13	27,534	-
Income from Interest - Others	14	1,61,041	76,973
Miscellaneous Income	15	63,012	82,853
Total Income	(A)	1899,08,341	901,98,843
EXPENDITURE			
Establishment Expenses	16	423,80,555	392,21,771
Administrative Expenses	17	65,13,925	61,05,642
Project Expenses		1447,92,969	500,26,400
Total Expenditures	(B)	1936,87,449	953,53,813
Surplus/ (Deficit) Carried to Corpus Fund	(A-B)	(37,79,108)	(51,54,970)
Significant Accounting Policies	18		
Contingent Liabilities and Notes on Accounts	19		
Appendix	A to E		

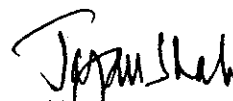
As per our report of even date attached
For Oswal Sunil & Company
Chartered Accountants
Firm Reg. No. : 016520N


CA Sunil Bhansali
 Partner
 M. No.: 054645



Place: New Delhi
 Date: 07 SEP 2017

For and on behalf of
NATIONAL INSTITUTE OF URBAN AFFAIRS


(Jagan Shah)
 Director


(Diwan Singh)
 Executive Officer



NATIONAL INSTITUTE OF URBAN AFFAIRS
SCHEDULES FORMING PART OF THE BALANCE SHEET
(Amount in Rupees)



Particulars	As at March 31,2017	As at March 31,2016
Schedule: 1		
Corpus & Capital Fund		
Balance as at Beginning of the Year	788,36,085	839,91,055
Add: Amount Trf from Income & Expenditure A/c	(37,79,108)	(51,54,970)
Total	750,56,977	788,36,085
Schedule: 2		
Gratuity & Leave Encashment Fund		
Balance as at Beginning of the Year	444,75,213	413,01,300
Add: Interest received during the year	28,35,514	30,99,041
Add: Employer's Contribution for the year	66,20,080	29,15,699
Less: Final Payments made	(47,62,101)	(28,40,827)
Total	491,68,706	444,75,213
Schedule: 3		
Research & Development Fund		
Balance as at Beginning of the Year	(7,70,726)	60,00,754
Add: Grant received during the year	20,45,368	71,41,056
Add: Overhead Income from Project Funds*	112,90,337	7,00,628
Add: Other Income from Closed Project Funds*	-	(25,192)
Add: Interest & Other Income received during the year	64,62,585	81,65,355
Add: Depreciation during the year	7,50,704	10,87,483
Less: Administrative & Establishment Expenses during the year	(140,96,682)	(226,92,538)
Less: Amount trf to Asset Fund	(9,04,023)	(60,789)
Less: Depreciation during the year	(7,50,704)	(10,87,483)
Total	40,26,859	(7,70,726)
* Refer Note No. 19 (E)		
Schedule: 5		
Assets Fund		
Balance as at Beginning of the Year	24,33,777	41,65,450
Add: Assets acquired during the year out of fund from		
- Ministry of Urban Affairs	2,28,906	67,291
- Research and Development Fund	9,04,023	60,789
- Projects Fund	28,40,143	10,90,362
Less: Depreciation (Contra to Fixed Asset Account)	(25,76,308)	(29,50,115)
Total	38,30,541	24,33,777
Schedule: 6		
Current Liabilities & Provisions		
Current Liabilities		
Sundry Creditors		
- For Expenses	34,24,692	28,76,676
Other Current Liabilities		
Pay & Allowances Payable	77,55,785	49,15,275
Other Expenses Payable	88,27,003	1,47,576
Statutory Liabilities Payable	17,63,513	4,20,338
Total	217,70,993	83,59,865



Schedule: 8

Investment From Earmarked Fund (Appendix A and B)

Term Deposits	1043,24,478	1123,05,353
Add: Accured Interest	19,38,069	11,86,629
Total	1062,62,547	1134,91,982

Schedule: 9

Investment Other (Corpus) (Appendix C)

Term Deposits	850,00,000	850,00,000
Add: Accured Interest	16,05,274	12,51,413
Total	866,05,274	862,51,413

Schedule: 10

Current Assets, Loans, Advances Etc.

Current Assets

Cash In Hand

Bank Balance

State Bank of Hyderabad A/c No 52142908059 Main	30,16,466	29,68,832
State Bank of Hyderabad A/c No 52142908402 HUDCO	5,43,041	7,75,163
State Bank of Hyderabad A/c No 52143007994 Corpus	3,33,941	23,20,927
State Bank of Hyderabad A/c No 62401440763 NIUA	1,33,259	1,100
State Bank of Hyderabad A/c No 52142908435 R&D	22,02,756	10,67,303
State Bank of Hyderabad A/c No 52142908402 GLE	34,38,039	60,37,944
Bank Balances of Projects	68,14,796	239,34,846

(A)

164,82,298	371,06,115
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Loan, Advances and Other Assets:

TDS

Advance to Staff

Advances to Vendors (Projects)

Project Grants Receivable

Prepaid Expenses

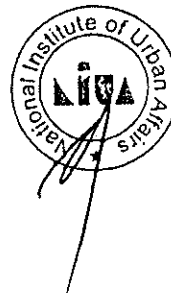
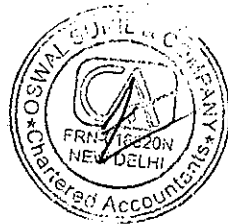
66,73,635	60,18,950
-	65,460
95,329	8,02,887
43,25,358	256,08,685
1,71,586	97,950

(B)

112,65,908	323,93,932
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Total (A+B)

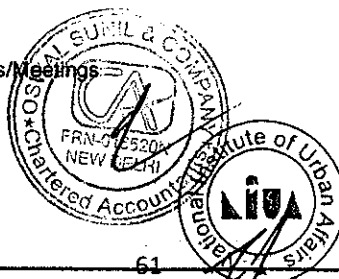
277,48,206	695,00,047
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NATIONAL INSTITUTE OF URBAN AFFAIRS
SCHEDULES FORMING PART OF THE INCOME & EXPENDITURE ACCOUNT
(Amount in Rupees)



Particulars	For the year ended 31 March, 2017	For the year ended 31 March, 2016
Schedule: 11		
Grant From Ministry of Urban Development		
Grants received during the year	450,00,000	400,00,000
Less :- Utilized for Capital Expenditure	2,28,906	67,291
Total	447,71,094	399,32,709
Schedule: 12		
Fees/Subscription		
Annual Membership Fees	10,500	10,500
Total	10,500	10,500
Schedule: 13		
Income from Interest- Corpus Fund		
On Income Tax Refund	27,534	-
Total	27,534	-
Schedule: 14		
Income from Interest- Others		
On Saving Bank Account	1,61,041	76,973
Total	1,61,041	76,973
Schedule: 15		
Miscellaneous Income		
Miscellaneous Receipt	5,975	8,504
Income from Sale & Subscription of Journal	57,037	74,349
Total	63,012	82,853
Schedule: 16		
Establishment Expenses		
Contribution to Gratuity and Leave Encashment Fund	55,39,805	22,12,915
Pay & Allowances	347,85,288	348,86,814
Bonus Expenses	2,89,560	99,590
Contribution to Provident fund	13,08,020	12,33,000
Contribution to GSLIS	9,860	9,961
Leave Travel Concession	3,58,890	1,54,208
Leave Encashment	-	21,856
Staff Welfare Expenses	88,132	6,03,427
Total	423,80,555	392,21,771
Schedule: 17		
Administrative Expenses		
Repair & Maintainance (IHC)	33,79,103	33,44,980
Rent, Rates & Taxes (IHC)	8,49,329	8,65,971
Repair & Maintainance (General)	2,96,608	1,69,529
Electricity & Water (IHC)	4,75,912	5,14,567
Vehicle-Running & Maintenance	3,22,113	2,73,461
Postage, Telephone & Communication Expense	2,12,472	1,80,888
Printing & Stationary	3,54,565	3,73,845
Travelling & Conveyance Expenses	74,584	7,059
Expenses on Seminar/Workshops/Programmes/Meetings	34,266	20,067
Legal & Professional Fees	2,66,625	1,45,943
Newspaper & Magazines	74,299	65,186
Other (Contingency Expenses)	91,858	74,738
Depreciation	82,191	69,408
Total	65,13,925	61,05,642



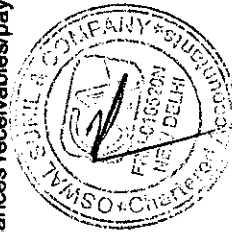
NATIONAL INSTITUTE OF URBAN AFFAIRS
Schedule: 4 Earmarked Fund
(Amount in Rupees)



Particulars	HUDCO		Project Funds		Total	
	2017	2016	2017	2016	2017	2016
		(6,335)	(3,37,613)	1383,49,340	509,33,755	1383,43,005
A) Opening balance of the Funds						
B) Additions during the Year						
Interest Received during the year	17,434	8,787	73,97,484	-	74,14,918	8,787
Grants In Aid	6,00,000	18,00,000	702,28,509	1374,11,559	708,28,509	1392,11,559
Depreciation during the year	-	-	17,43,413	17,93,225	17,43,413	17,93,225
Inter A/c Adjustment (Refer Foot Note 1)	-	-	-	8,05,860	-	8,05,860
Total (A+B)	6,11,089	14,71,174	2,177,18,746	1,909,44,399	2,183,29,845	1,924,15,573
C) Expenditures towards objectives of fund						
Salaries & Wages	9,17,397	10,67,719	317,03,268	182,81,162	326,20,665	193,48,881
Administrative Expenses	2,83,574	4,09,790	1,017,28,816	299,54,248	1,020,12,390	303,64,038
Overhead Expenses	-	-	85,20,742	7,00,628	85,20,742	7,00,628
Depreciation during the year	-	-	17,43,413	17,93,225	17,43,413	17,93,225
Asset Acquired	-	-	28,40,143	10,90,362	28,40,143	10,90,362
Inter A/c Adjustment (Refer Foot Note 1)	-	-	-	7,75,434	-	7,75,434
Total (C)	12,00,971	14,77,509	1,465,36,382	525,95,059	1,477,37,353	540,72,568
Net Balance as on year end (A+B-C)	(5,89,872)	(6,335)	711,82,364	1,383,49,340	705,92,492	1,383,43,005

Foot Note:

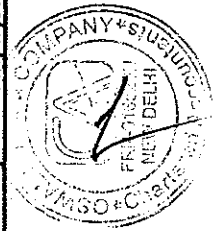
1. Inter A/c Adjustment represents closing balances receivables/payable transferred from closed projects to R&D Fund. (Refer Appendix D)



NATIONAL INSTITUTE OF URBAN AFFAIRS
Schedule: 7 Fixed Assets
(Amount in Rupees)



Particulars	Rate	GROSS - BLOCK		DEPRECIATION			NET - BLOCK		
		As at 01.04.2016	Additions	As at 31.03.2017	Upto 31.03.2016	For the Year	As at 31.03.2017	As at 31.03.2016	
FIXED ASSETS									
A. Asset Acquired Out of Grants In Aid From Ministry of Urban Development									
Furniture & Fixtures	15%	27,08,050	-	27,08,050	27,01,589	1,634	27,03,223	4,827	6,461
Office Equipments	25%	21,66,615	-	21,66,615	21,66,615	-	21,66,615	-	-
Computer & EDP Equipments	60%	31,09,879	1,88,273	32,98,152	31,09,879	39,924	31,49,803	1,48,349	-
Library Books & Periodicals	100%	53,53,364	40,633	53,93,997	53,53,364	40,633	53,93,997	-	-
		133,37,908	2,28,906	135,66,814	133,31,447	82,191	134,13,838	1,53,176	6,461
B. Asset Acquired Out of HUDCO									
Computer & EDP Equipments	60%	77,533	-	77,533	77,533	-	77,533	-	-
		77,533	-	77,533	77,533	-	77,533	-	-
C. Asset Acquired Out of Research and Development Fund									
Furniture & Fixtures	15%	11,72,555	9,700	11,82,255	2,45,838	1,76,031	4,21,869	7,60,386	9,26,717
Office Equipments	25%	73,706	11,493	85,199	29,382	17,017	46,399	38,800	44,324
Computer & EDP Equipments	60%	16,35,016	8,82,830	25,17,846	12,24,532	5,57,656	17,82,188	7,35,658	4,10,484
		29,81,277	9,04,023	37,85,300	14,99,752	7,50,704	22,50,456	15,34,844	13,81,525
D. Asset Acquired Out of Projects Fund									
Furniture & Fixtures	15%	4,29,383	32,719	4,62,102	2,38,188	47,699	2,85,887	1,76,215	1,91,195
Office Equipments	25%	26,33,003	-	26,33,003	25,71,142	25,122	25,96,264	36,739	61,861
Computer & EDP Equipments	60%	162,27,116	28,07,424	190,34,540	154,34,380	16,70,592	171,04,972	19,29,568	7,92,736
Library Books & Periodicals	100%	7,27,297	-	7,27,297	7,27,297	-	7,27,297	-	-
Staff Car	25%	10,32,432	-	10,32,432	10,32,432	-	10,32,432	-	-
		210,49,231	28,40,143	238,89,374	200,03,439	17,43,413	217,46,852	21,42,522	10,45,792
Total (Current Year)		373,45,949	39,73,072	413,19,021	349,12,172	25,76,308	374,88,480	38,30,541	24,33,777
Total (Previous Year)		361,27,507	12,18,442	373,45,949	319,62,057	29,50,115	349,12,172	24,33,777	41,65,450



NATIONAL INSTITUTE OF URBAN AFFAIRS

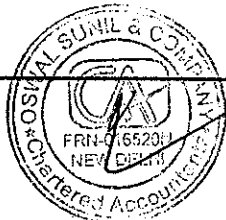
APPENDIX FORMING PART OF BALANCE SHEET AND INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED MARCH 31,2017



National Institute of Urban Affairs

Details of Investment - Earmarked Funds and Others

Particulars	Amount
Appendix A	
Gratuity & Leave Encashment Fund	
Fixed Deposit with State Bank of Hyderabad No 62501131342	90,00,000
Fixed Deposit with State Bank of Hyderabad No 62501266733	90,00,000
Fixed Deposit with State Bank of Hyderabad No 62505695373	90,00,000
Fixed Deposit with State Bank of Hyderabad No 62505533365	70,00,000
Add: Accured Interest on Above	2,25,049
Total	342,25,049
Appendix B	
FCRA	
Fixed Deposit with State Bank of Hyderabad No 62480529524	537,33,660
Fixed Deposit with State Bank of Hyderabad No 62327308082	64,01,015
Fixed Deposit with State Bank of Hyderabad No 62395417716	15,99,400
Fixed Deposit with State Bank of Hyderabad No 62449975238	56,63,450
Fixed Deposit with State Bank of Hyderabad No 62317674368	29,26,953
Add: Accured Interest on Above	17,13,020
Total	720,37,498
Grant Total (A+B)	1062,62,547
Appendix C	
Corpus Fund	
Fixed Deposit with State Bank of Hyderabad No 10000228249	150,00,000
Fixed Deposit with State Bank of Hyderabad No 62497754461	90,00,000
Fixed Deposit with State Bank of Hyderabad No 62497888394	90,00,000
Fixed Deposit with State Bank of Hyderabad No 62498109146	20,00,000
Fixed Deposit with State Bank of Hyderabad No 62499402235	90,00,000
Fixed Deposit with State Bank of Hyderabad No 62499530471	90,00,000
Fixed Deposit with State Bank of Hyderabad No 62500143507	70,00,000
RBI 8% (Taxable) Saving Bonds	250,00,000
Add: Accured Interest on Above	16,05,274
Total	866,05,274



NATIONAL INSTITUTE OF URBAN AFFAIRS

Appendix D
Projects Fund
(Amount in Rupees)

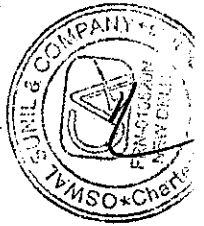


National Institute of Urban Affairs

S.No.	Name of Projects	Opening Balances	Receipts/Receivable Accounted for during the year	Inter Account Adjustment	Total	Expenditure during the year	Inter Account Adjustment	Total	Closing Balances
		1	2	3	(1+2+3)=4	5	6	(5+6)=7	(4-7)=8
1	NIUA/TPU	15,16,291	8,153	-	15,24,444	13,783	-	13,783	15,10,661
2	NIUA/JNNURM	81,07,018	70,785	-	81,77,803	1,39,512	-	1,39,512	80,38,291
3	NIUA/FCRA	981,22,386	283,89,548	-	1265,11,934	682,99,098	-	682,99,098	582,12,836
4	NIUA/HRIDAY (IDFC)	161,23,157	286,61,898	-	447,85,055	410,80,394	-	410,80,394	37,04,661
5	NIUA/HRIDAY (Capacity Building)	-	70,85,133	-	70,85,133	30,96,988	-	30,96,988	39,88,145
6	NIUA/Swacch Bharat Mission	47,42,273	20,78,262	-	68,20,535	67,87,840	-	67,87,840	32,695
7	NIUA/PEARL	12,28,158	4,777	-	12,32,935	19,17,138	-	19,17,138	(6,84,203)
8	NIUA/SUSTAINABLE CITY	1,55,980	2,618	-	1,58,598	-	-	-	1,58,598
9	NIUA/SFC Support Cell	-	996	-	996	9,48,717	-	9,48,717	(9,47,721)
10	NIUA/Satellite Town Scheme	1,94,198	1,290	-	1,95,488	-	-	-	1,95,488
11	NIUA/CSP	20,34,203	224	-	20,34,427	35,00,000	-	35,00,000	(14,65,573)
12	NIUA/SNPUPR	6,03,182	2,954	-	6,06,136	40,000	-	40,000	5,66,136
13	NIUA/SSSB	3,93,192	754	-	3,93,946	16,38,000	-	16,38,000	(12,44,054)
14	NIUA/DPD	19,107	39,977	-	59,084	29,080	-	29,080	30,004
15	NIUA/CIDCO	51,10,195	5,07,405	-	56,17,600	49,68,402	-	49,68,402	6,49,198
16	NIUA/ULCRA	-	371	-	371	2,73,056	-	2,73,056	(2,72,685)
17	NIUA/SMARTNET	-	22,83,195	-	22,83,195	84,33,433	-	84,33,433	(61,50,238)
18	NIUA/BRICS	-	10,12,474	-	10,12,474	13,06,784	-	13,06,784	(2,94,310)
19	NIUA/TATA SHARMIC	-	13,53,643	-	13,53,643	10,80,785	-	10,80,785	2,72,858
20	NIUA/CLIMATE CHANGE	-	19,87,036	-	19,87,036	2,75,000	-	2,75,000	17,12,036
21	NIUA/14TH FINANCE COMMISSION	-	41,34,500	-	41,34,500	9,64,959	-	9,64,959	31,69,541
	Total	1383,49,340	776,25,993	-	2159,75,333	1447,92,969	-	1447,92,969	711,82,364

Foot Note:

1. Inter A/c Adjustment has been done for closed projects whereby the adjustment made under Income column includes outstanding liabilities/provisions and loan borrowed while the adjustment made under expenditure column includes the closing bank balances, Loans Given and TDS Recoverable which have been transferred to R&D Fund.



NATIONAL INSTITUTE OF URBAN AFFAIRS

Appendix E

DETAIL OF SAVING ACCOUNTS and INVESTMENT - PROJECTS

(Amount in Rupees)

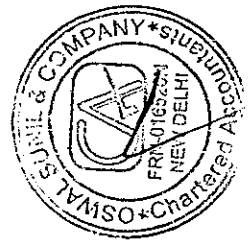


National Institute of Urban Affairs

S.No.	Name of Projects	Saving Bank A/c No. with State Bank of Hyderabad	Closing Balances of Projects	Bank Balances	Fixed Deposit	Accrued Interest and Receivable	Receivables	Loan/ Advances Given	Provisions/ Liabilities & Borrowings	Closing Balances
1	NIUA/TPU	52142908413	15,10,661	1,10,697	-	-	-	14,00,000	(36)	15,10,661
2	NIUA/JNNURM	62012196872	80,38,291	61,012	-	-	22,81,812	62,30,311	(5,34,644)	80,38,291
3	NIUA/FCRA	52142908468	582,12,836	22,14,110	703,24,478	17,13,020	7,30,263	35,009	(168,04,044)	582,12,836
4	NIUA/HRIDAY (IDFC)	10000193304	37,04,661	16,68,037	-	-	-	91,89,555	(71,62,931)	37,04,661
5	NIUA/HRIDAY (Capacity Building)	62451848274	39,88,145	2,22,570	-	-	-	38,00,000	(34,425)	39,88,145
6	NIUA/Swacch Bharat Mission	10000015795	32,695	13,61,970	-	-	-	-	(14,84,905)	32,695
7	NIUA/PEARL	62095928938	(8,84,203)	13,263	-	-	1,35,630	1,37,148	(9,60,745)	(6,84,203)
8	NIUA/SUSTAINABLE CITY	62095923357	1,58,598	58,598	-	-	1,26,131	1,00,000	-	1,58,598
9	NIUA/SFC Support Cell	62129828326	(9,47,721)	22,278	-	-	-	6,00,000	(15,70,000)	(9,47,721)
10	NIUA/Satellite Town Scheme	62129828177	1,95,488	28,684	-	-	-	2,00,000	(33,376)	1,95,488
11	NIUA/CSP	62171115573	(14,85,573)	5,031	-	-	-	-	(14,70,604)	(14,85,573)
12	NIUA/SNPUR	62213124333	5,86,136	66,136	-	-	-	5,00,000	(12,60,905)	5,86,136
13	NIUA/SSSB	62248708088	(12,44,054)	16,851	-	-	-	-	-	(12,44,054)
14	NIUA/DPD	62303628309	30,004	30,004	-	-	-	-	-	30,004
15	NIUA/CIDCO	62350088123	6,48,196	9,749	-	-	6,420	47,50,000	(41,16,971)	6,49,198
16	NIUA/MULCRA	62324454978	(2,72,685)	8,325	-	-	-	12,00,000	(14,81,010)	(2,72,685)
17	NIUA/SMARTNET	62475314460	(61,50,236)	1,22,828	-	-	-	23,735	(62,96,802)	(61,50,236)
18	NIUA/BRICS	62481555599	(2,84,310)	9,328	-	-	-	-	(3,03,638)	(2,84,310)
19	NIUA/TATA SHRAMIC	62485522412	2,72,658	2,27,407	-	-	-	84,161	(36,710)	2,72,658
20	NIUA/CLIMATE CHANGE	62498827658	17,12,036	5,37,736	-	-	-	13,00,000	(1,25,700)	17,12,036
21	NIUA/14TH FINANCE COMMISSION	62507188545	31,89,541	-	-	-	41,34,500	-	(9,84,959)	31,89,541
	Total		711,82,384	68,14,798	703,24,478	17,13,020	74,14,756	295,59,919	(446,44,605)	711,82,384

Foot Note:

1. Receivables includes Grant Receivables and TDS Recoverable.
2. Loan/Advances given includes Inter Project Loans Given.
3. Provisions/Liabilities & Borrowings includes Inter Project Loans taken, Provisions for Expenses and Statutory Liabilities Payable.



Schedule: 18 Significant Accounting Policies

A. Basis of Accounting

The financial statements have been prepared under the historical cost convention, in accordance with the generally accepted accounting principles including applicable accounting standards issued by the Institute of Chartered Accountants of India. Financial Statements have been prepared on going concern basis.

B. Inventory Valuation

Books published by the Institute lying unsold as at the year end are not shown as inventory in the accounts.

C. Fixed Assets

All fixed assets are stated at cost less accumulated depreciation. Cost is inclusive of all costs relating to the acquisition, pre-operational expenses and installation of fixed assets to bring the assets to working condition for intended use.

D. Depreciation

(a) Depreciation on all fixed assets of the Company is provided on Straight Line method at the rates specified in Income Tax Act, 1961

(b) Depreciation is provided on Pro rata basis except in case of assets which are subject to depreciation @100%.

(c) An amount, equal to depreciation charged on Assets during the year is debited to respective Asset Fund Account.

E. Impairment of Assets

Management periodically assesses whether there is an indication that an assets may be impaired. In case of such an indication, the management estimates the recoverable amount of the asset. If the recoverable amount of an asset is less than its carrying amount, the carrying amount of the asset is reduced to its recoverable amount and the difference is recognised as impairment loss.

F. Government Grants

Grants-in-aid from the MoUD for pay & allowances and for maintenance are credited to the Income & Expenditure Account. Grants-in-aid utilised for depreciable assets are credited to the Assets Fund Account.

G. Corpus & Capital Fund

The institute has constituted "Corpus Fund". The fund is managed in accordance with the National Institute of Urban Affairs (Administration & Management of the Corpus Fund) Rules, 2002. The surplus/deficit of each year as per Income & Expenditures account is adjusted through Corpus & Capital Fund.

H. Research & Development Fund

Research & Development Fund represent unspent balances of specific grant receipt for the project, unspent balances of closed projects, overhead recoveries from projects, interest earned on investment out of the fund etc.

I. Employee Benefits

(a) Short term employee benefits are recognised as an expense at the undiscounted amount in the Income & Expenditure Account of the year in which the related service is rendered.

(b) Post employment and other long term employee benefits are recognised as an expense in the Income & Expenditure Account for the year in which the employee has rendered services. The expense is recognised at the present value of the amounts payable determined using actuarial valuation techniques. Actuarial gain and losses in respect of post employment and other long term benefits are charged to revenue.

(c) The Institute is maintaining a Contributory Provident Fund Account, which has been recognised by the Department of Pension and Pensioners' Welfare.

J. Investment

Investment are valued at cost. Provisions is made for permanent diminution, if any, in the value of such investment.

K. Foreign Exchange Transactions

Foreign currency transaction are recorded by applying the exchange rate at the date of transaction.

L. Provisions and Contingencies

Provisions are recognised when the Institute has a present obligation as a result of past events for which it is probable that an outflow of resources will be required to settle the obligation and a reliable estimate can be made. Provisions required settling the obligation are reviewed regularly and are adjusted where necessary to reflect the current best estimate of the obligation.

A disclosure for a contingent liability is made when there is a possible obligation or a present obligation that may but probably will not require an outflow of resources. Disclosure is also made in respect of a present obligation that probably requires an outflow of resources, where it is not possible to make a reliable estimate of the related outflow.

NATIONAL INSTITUTE OF URBAN AFFAIRS
SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED MARCH 31,2017



Schedule: 19 Contingent Liabilities and Notes to Accounts

A. Contingent Liabilities:

Claims against the Institute in respect of pending court cases : NIL (PY NIL)

The Institute's pending litigations comprise of claims against the Institute and proceedings pending with Tax Authorities / Statutory Authorities. The Institute has reviewed all its pending litigations and proceedings and has made adequate provisions, wherever required and disclosed the contingent liabilities, wherever applicable, in its financial statements. The Institute does not expect the outcome of these proceedings to have a material impact on its financial position.

B. Current tax is determined in accordance with the provisions of Income tax act, 1961 consering provisions of section 11 of said Act.

C. Project receipts include project grants, interest earned on project funds, recovery, etc.

D. Closing balances of respective project funds represents unspent balances thereof, after adjustment of expenditure and are represented by balances in the bank accounts, fixed deposits with banks and other net assets.

E. During the Financial Year 2016-17, the Institute has credited Rs 1,12,90,337/- as overhead income from project funds. With effect from current year, Interest income from Corpus Funds of Rs. 63,49,234/- is also credited to Research and Development Account.

F. In the opinion of the management of institute, the current assets, loans, advances, etc. have a realisable value at least to the extent shown in the accounts and the provision for all known liabilities including depreciation are adequate.

G. The Institute is maintaining a Contributory Provident Fund (CPF) Account. The Financials of CPF Accounts are prepared seperately and is not a part of NIUA financial statements.

H. Contribution to Defined CPF is recognised as expense for the year is Rs. 15,75,653/- (P.Y. Rs.15,43,212/-)

The employees' Gratuity Fund Scheme is a defined benefit plan. The present value of obligation is determined based on actural valuation using the projected unit credit method, which recognises each period of service as giving rise to additional unit of employee benefit entitlement and measures each unit separately to build up the final obligation. The Obligation for leave encashment is recognised in the same manner as gratuity.

The principal actural assumptions used as at the balance sheet date are as under:

The principal assumptions are the discount rate and salary growth rate. The discount rate is generally based upon the market yields available on Government bonds at the accounting date with a term that matches that of the liabilities and the salary growth rate takes account of inflation, seniority, promotion and other relevant factors on long term basis.

S.No.	Particulars	31.03.2017	31.03.2016
1	Discounting Rate	7.75%	8.00%
2	Future Salary Increase	5.25%	5.50%
3	Expected Rate of Return on Plan Assets	0.00%	0.00%
4	Retirement Age	60 Years	60 Years
5	Mortality Table	IALM (2006-08)	IALM (2006-08)

I. The Balance Sheet and Income & Expenditure Account have been drawn in accordance with the common format of accounts prescribed by the office memorandum Dt. 18/21 February, 2002 of Govt. of India, Ministry of Commerce and Industry, Department of Commerce.

J. As per the information available, there is no amounts due that require disclosure/provisioning as per the requirements of the Micro Small and Medium Enterprises Development Act, 2006.

K. In the management's opinion, in the event of any disparity in the balances or any consequential adjustments required on reconciliation of the balances will not be material in relation to the financial statements of the Institute and the same will be adjusted in the financial statements as and when the reconciliation is completed.

L. Fixed Assets have been physically verified by the Management and relied upon by the auditors.

M. The figures given in the Income & Expenditure Account and Balance Sheet are rounded off to the nearest rupees.

N. Previous year's figures have been regrouped / reclassified wherever necessary to confirm with the current year's classification / disclosure.

O. Schedules 1 to 19 and Appendix A to E form an integral part of the accounts and have been duly authenticated.

As per our report of even date attached

For Oswal Sunil & Company
Chartered Accountants
Firm Reg. No. : 016520N

CA Sunil Chansali, FRN-013520N
Partner
M. No.: 054645

Place: New Delhi

Date: 07 SEP 2017

For and on behalf of
NATIONAL INSTITUTE OF URBAN AFFAIRS

(Sajan Shah)
Director

(Diwan Singh)
Executive Officer



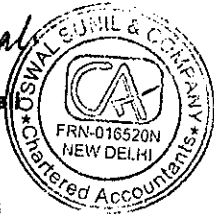
NATIONAL INSTITUTE OF URBAN AFFAIRS CONTRIBUTORY PROVIDENT FUND
BALANCE SHEET AS AT MARCH 31,2017
 (Amount in Rupees)



Particulars	Schedule No	As at	
		March 31,2017	March 31,2016
Sources of Funds			
Employees' Subscription	1	375,88,388	351,02,905
Employer's (NIUA) Contribution	2	317,94,552	313,45,940
CPF Amount Payable to Relieved Employee		1,43,128	1,43,128
Accumulated Surplus		10,83,871	13,11,176
TOTAL		706,09,939	679,03,149
Application of Funds			
Bank Balance	3	38,82,267	46,10,872
Investments	4	610,02,585	590,02,585
Interest accrued but not received		12,88,587	7,11,524
TDS Receivables		12,64,663	8,78,168
Amount receivables from the Employer(NIUA)		31,71,837	27,00,000
TOTAL		706,09,939	679,03,149
Significant Accounting Policies and Notes on Accounts	5		

As per our report of even date attached
 For **Oswal Sunil & Company**
 Chartered Accountants
 Firm Reg. No. : 016520N

CA Sunil Bhansali
 Partner
 M. No.: 054645



Place: New Delhi
 Date: 07 SEP 2017

For and on behalf of
NATIONAL INSTITUTE OF URBAN AFFAIRS

Jagan Shah
 (Jagan Shah)
 Director

(Diwan Singh)
 Executive Officer




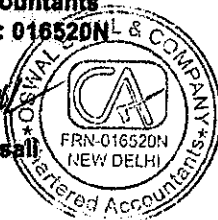
**NATIONAL INSTITUTE OF URBAN AFFAIRS CONTRIBUTORY PROVIDENT FUND
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED MARCH 31,2017**
(Amount in Rupees)



Particulars	For the year ended 31 March, 2017	For the year ended March 31, 2016
INCOME		
Interest Income		
- Fixed Deposit	41,25,554	44,81,912
- Special Deposit Scheme	2,18,054	7,83,225
- Saving Bank Account	7,26,649	1,15,036
- Income Tax Refund	1,499	-
Total Incomes (A)	50,71,756	53,80,173
EXPENDITURE		
Interest Allocation to Members on		
- Employees' Subscription	28,53,440	27,43,672
- Employer's (NIUA) Contribution	24,45,621	25,88,449
Total Expenditures (B)	52,99,061	53,32,121
Surplus/ (Deficit) Transferred to the Balance Sheet (A-B)	(2,27,305)	48,052

As per our report of even date attached
For **Oswal Sunil & Company**
Chartered Accountants
Firm Reg. No. : 016520N


CA Sunil Bhansali
Partner
M. No.: 054645



For and on behalf of
NATIONAL INSTITUTE OF URBAN AFFAIRS


(Jagan Shah)
Director


(Diwan Singh)
Executive Officer

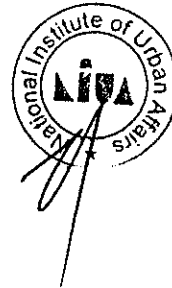


Place: New Delhi
Date: 07 SEP 2017

NATIONAL INSTITUTE OF URBAN AFFAIRS CONTRIBUTORY PROVIDENT FUND
SCHEDULES FORMING PART OF THE BALANCE SHEET
(Amount in Rupees)



Particulars	As at March 31, 2017	As at March 31, 2016
Schedule: 1		
Employees' Subscription		
Opening Balance b/d	351,02,905	289,84,382
Add: Subscription during the Year	48,15,272	49,04,255
Interest credited during the Year*	28,53,440	27,43,672
Loan Recovered	8,73,882	10,84,816
Less: Refundable Loan	6,95,000	8,63,000
Withdrawal during the Year	13,77,500	90,000
Final Settlement during the Year	39,84,611	16,61,220
	375,88,388	351,02,905
<i>*(Includes adjustment of Rs. 26,523 overcasted in P.Y.)</i>		
Schedule: 2		
Employer's Contribution		
Opening Balance b/d	313,45,940	289,74,755
Add: Contribution during the Year	13,46,110	15,45,519
Interest credited during the Year*	24,45,621	25,88,449
Less: Final Settlement during the Year	33,43,119	17,62,783
	317,94,552	313,45,940
<i>*(Includes adjustment of Rs. 27,254 overcasted in P.Y.)</i>		
Schedule: 3		
Bank Balance		
State bank of Hyderabad	38,46,713	45,76,705
Punjab & Sind Bank	35,553	34,166
	38,82,267	46,10,871
Schedule: 4		
Investment		
Fixed Deposits	520,00,000	500,00,000
8.7% Special Deposit Scheme A/c No SD/06/08, Syndicate Bank	90,02,585	90,02,585
	610,02,585	590,02,585



NATIONAL INSTITUTE OF URBAN AFFAIRS CONTRIBUTORY PROVIDENT FUND
SCHEDULES FORMING PART OF THE BALANCE SHEET



Schedule: 5
Significant Accounting Policies and Notes on Accounts

- 1 Investment income has been accounted for on accrual basis.
- 2 Interest has been credited @8.1% p.a. for the period from April'2016 to September'2016 and @8% for the period from October'2016 to March'2017 to members account on monthly balances of Member's subscription and NIUA Contributions.
- 3 Investment are kept in fixed deposits/ special deposits with the banks and have accordingly been shown at cost.
- 4 Pattern of Investment of Rs 6,10,02,585.00 appearing in the Balance Sheet as at March 31, 2017 is as under:-

Nature of Investment	Amount (In Lakhs)	Total Investment	As per Notification	Excess/ (Deficit)
1) Govt. Securities	0	0	55%	-55%
2) Debt Securities/Term Deposits issued by body corporate including banks and public financial institutions	610.02	100%	40%	60%
3) Other Securities - Money Market Instruments	0	0	5%	-5%
Total	610.02	100%	100%	

Schedules 1 to 5 form an integral part of the accounts and have been duly authenticated.

As per our report of even date attached
For Oswal Sunil & Company
Chartered Accountants
Firm Reg. No. : 016520N

C/Sunil Bhansali
Partner
M. No.: 054645

Place: New Delhi
Date: 07 SEP 2017



For and on behalf of
NATIONAL INSTITUTE OF URBAN AFFAIRS

(Jagan Shah)
Director

(Diwan Singh)
Executive Officer



FORM NO. 10B

[See rule 17B]

Audit report under section 12A(b) of the Income-tax Act, 1961, in the case of charitable or religious trusts or institutions

We have examined the balance sheet of **NATIONAL INSTITUTE OF URBAN AFFAIRS , AAATN0447J** [name and PAN of the trust or institution] as at **31/03/2017** and the Profit and loss account for the year ended on that date which are in agreement with the books of account maintained by the said trust or institution.

We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of the audit. In our opinion, proper books of account have been kept by the head office and the branches of the abovenamed trust visited by us so far as appears from our examination of the books, and proper Returns adequate for the purposes of audit have been received from branches not visited by us , subject to the comments given below:

In our opinion and to the best of our information, and according to information given to us , the said accounts give a true and fair view-

(i) in the case of the balance sheet, of the state of affairs of the above named trust as at **31/03/2017** and

(ii) in the case of the profit and loss account, of the profit or loss of its accounting year ending on **31/03/2017**

The prescribed particulars are annexed hereto.

Place **NEW DELHI**

Date **07/09/2017**

Name **SUNIL BHANSALI**
 Membership Number **054645**
 FRN (Firm Registration Number) **016520N**
 Address **71 DARYAGANJ NEW DELH
 I DELHI**

ANNEXURE

Statement of particulars

I. APPLICATION OF INCOME FOR CHARITABLE OR RELIGIOUS PURPOSES

1.	Amount of income of the previous year applied to charitable or religious purposes in India during that year (₹)	134620075
2.	Whether the trust has exercised the option under clause (2) of the Explanation to section 11(1) ? If so, the details of the amount of income deemed to have been applied to charitable or religious purposes in India during the previous year (₹)	No
3.	Amount of income finally set apart for application to charitable or religious purposes, to the extent it does not exceed 15 per cent of the income derived from property held under trust wholly for such purposes. (₹)	No
4.	Amount of income eligible for exemption under section 11(1)(c) (Give details)	No
5.	Amount of income, in addition to the amount referred to in item 3 above, accumulated or set apart for specified purposes under section 11(2) (₹)	0
6.	Whether the amount of income mentioned in item 5 above has been invested or deposited in the manner laid down in section 11(2)(b) ? If so, the details thereof.	No
7.	Whether any part of the income in respect of which an option was exercised under clause (2) of the Explanation to section 11(1) in any earlier year is deemed to be income of the previous year under section 11(1B) ? If so, the details thereof (₹)	No
8.	Whether, during the previous year, any part of income accumulated or set apart for specified purposes under section 11(2) in any earlier year-	
	(a) has been applied for purposes other than charitable or religious purposes or has ceased to be accumulated or set apart for application thereto, or	No
	(b) has ceased to remain invested in any security referred to in section 11(2)(b)(i) or deposited in any account referred to in section 11(2)(b)(ii) or section 11(2)(b)(iii), or	No
	(c) has not been utilised for purposes for which it was accumulated or set apart during the period for which	No

it was to be accumulated or set apart, or in the year immediately following the expiry thereof? If so, the details thereof	
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II. APPLICATION OR USE OF INCOME OR PROPERTY FOR THE BENEFIT OF PERSONS REFERRED TO IN SECTION 13(3)

1.	Whether any part of the income or property of the trust was lent, or continues to be lent, in the previous year to any person referred to in section 13(3) (hereinafter referred to in this Annexure as such person)? If so, give details of the amount, rate of interest charged and the nature of security, if any.	No
2.	Whether any part of the income or property of the trust was made, or continued to be made, available for the use of any such person during the previous year? If so, give details of the property and the amount of rent or compensation charged, if any.	No
3.	Whether any payment was made to any such person during the previous year by way of salary, allowance or otherwise? If so, give details	No
4.	Whether the services of the trust were made available to any such person during the previous year? If so, give details thereof together with remuneration or compensation received, if any	No
5.	Whether any share, security or other property was purchased by or on behalf of the trust during the previous year from any such person? If so, give details thereof together with the consideration paid	No
6.	Whether any share, security or other property was sold by or on behalf of the trust during the previous year to any such person? If so, give details thereof together with the consideration received	No
7.	Whether any income or property of the trust was diverted during the previous year in favour of any such person? If so, give details thereof together with the amount of income or value of property so diverted	No
8.	Whether the income or property of the trust was used or applied during the previous year for the benefit of any such person in any other manner? If so, give details	No

III. INVESTMENTS HELD AT ANY TIME DURING THE PREVIOUS YEAR(S) IN CONCERNS IN WHICH PERSONS REFERRED TO IN SECTION 13(3) HAVE A SUBSTANTIAL INTEREST

S. No	Name and address of the concern	Where the concern is a company, number and class of shares held	Nominal value of the investment(₹)	Income from the investment(₹)	Whether the amount in col. 4 exceeded 5 per cent of the capital of the concern during the previous year-say, Yes/No
Total					

Place **NEW DELHI**
Date **07/09/2017**

Name **SUNIL BHANSALI**
Membership Number **054645**
FRN (Firm Registration Number) **016520N**
Address **71 DARYAGANJ NEW DELH
1 DELHI**

Form Filing Details	
Revision/Original	Original