



NEED ASSESSMENT REGIONAL SMART CITY WORKSHOP: TRANSFORMING CITIES THROUGH CO-DEVELOPMENT

16th January 2019

Regional Centre for Urban & Environmental Studies (RCUES), Lucknow

BACKGROUND

According to Census 2011, cities accommodate nearly 31% of India's current population and contribute 63% of GDP. Urban areas are expected to house 40% of India's population and contribute 75% of India's GDP by 2030. This requires comprehensive development of physical, institutional, social and economic infrastructure. Cities are truly the engines of growth and city development necessitates a holistic approach. To meet the overarching aspirations of growing urban population, and sustain a virtuous cycle of growth and development, Smart Cities have become crucial. The Smart Cities Mission calls for appropriate local spatial development plans. The concept of smart city, as it means different things to different people, changes from city to city and country to country. It depends on the willingness to change and reform, the level of growth, aspirations and resources of the citizens/residents of the city. A smart city, therefore, would have a different meaning in India than it would have in America, Europe or England, etc. Even in India, Smart City Concept cannot be defined exactly by using a single yardstick. As some definitional frontiers are necessary to steer the Smart Cities Mission, urban planners have basically aimed at expanding the entire eco-system. This eco-system rests on the four pillars of comprehensive development which comprises Institutional, Physical, Social, and Economic infrastructure.

The objective of Smart City Mission is to promote cities that cater core infrastructure and provide its citizens a decent quality of life, a clean and sustainable environment and application of 'Smart Solutions'.

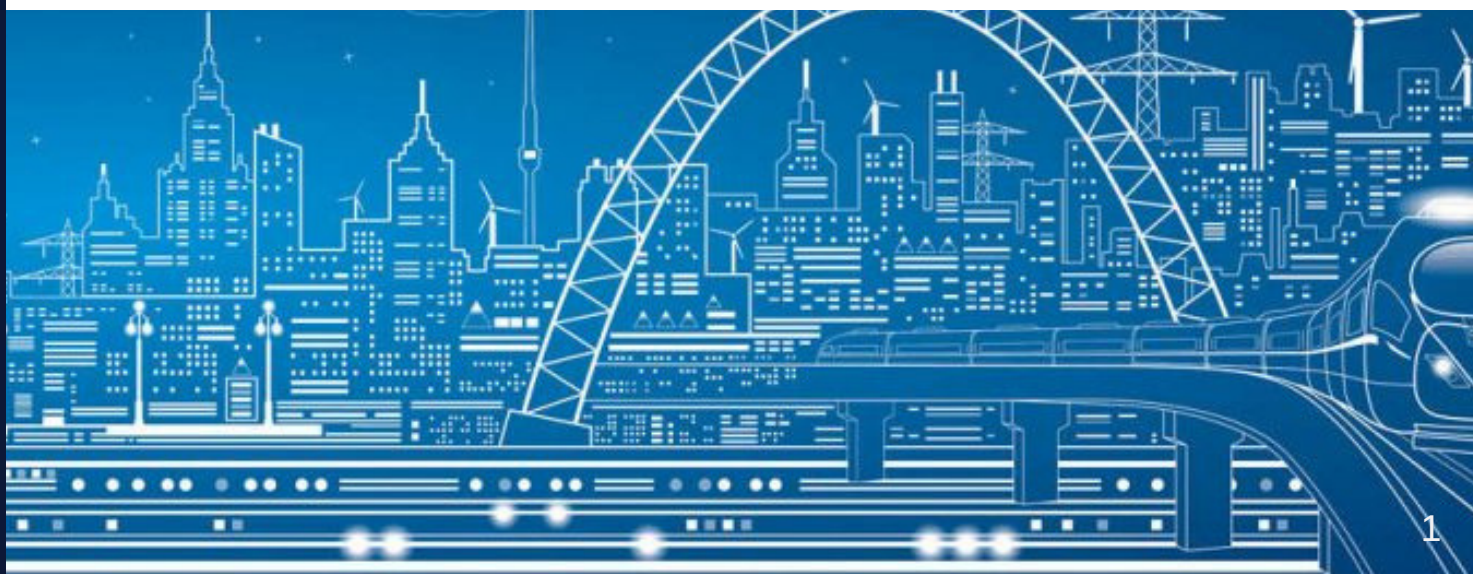
The Smart Cities Mission, undoubtedly a new and bold initiative of the Government of India, has a

committed vision to establish examples that can be presented as models to be replicated both within and outside the Smart City; thus, in the process, it can make way for the creation of similar smart city in different parts and regions of the country.

Over the decades, and more so in the recent years, plethora of innovations have been tried out by various actors. These relate to technology, financing, and community-based solutions. Nevertheless, innovations can be of limited use and even be wasted, if these cannot be scaled up and made accessible to a greater number of communities. Many such innovations could not be replicated or scaled up because of limited efforts towards dissemination, financing, and institutionalization.

Indian government introduced the smart city challenges by recognizing that cities are the main part of growth and are bringing a million people every minute from rural areas. The development of smart cities though requires key support from states and ULBs. The entire process is envisaged to deal with several problems and the road to build smart cities is not an easy one. There are several challenges on the way of development of smart cities and hence there is a dual need of building infrastructure and technology. Most cities are lacking in basic infrastructure like water supply, sewerage connections, solid and liquid waste management, so the focus is more directed towards fulfilling the basic infrastructure needs of the cities.

Keeping this as background, a Regional Level Need Assessment Smart City Workshop: for Transforming Cities through Co-Development was organized in Lucknow, Uttar Pradesh (UP) on 16th January 2019 by Global Compact Network India in collaboration with Regional Centre for Urban and Environmental Studies (RCUES) Lucknow.



OBJECTIVES OF THE CONFERENCE

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

PROGRAMME & METHODOLOGY

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

Introductory session and objectives of the workshop were outlined by Dr Alka Singh. She also gave an overview of SMART Cities including the approaches & strategies and features of Smart Cities. Dr Nishith, in his inaugural address, emphasized on the fact that timelines to achieve the objectives and targets of Smart City Mission are tight but yet these have to be achieved. He highlighted that Smart City Mission has not seen the kind of success aimed for and hence the workshop will be able to highlight those issues in detail. He said that the open discussion here in workshop will help in addressing departmental gaps and conflicts of Smart Cities.

Mr. A.K. Gupta, shared his experiences of being associated with Smart City Mission at multiple levels. He expressed delight about the fact that the workshop provided a common platform for the very first time for all the SPVs and PMCs to come together and discuss their issues. He said that learning and sharing among the Smart Cities is

essential to make a better and effective work plan.

He mainly focused on the essentials for developing Smart Cities by way of developing Good Quality DPRs that are the founding stone of Smart cities projects. He reiterated that Area Based Development should be carried out on priority basis.

Mr. Somnath Singh provided an overview of Centre of Excellence for Governance, Ethics and Transparency (CEGET) at GCNI and also shared how CEGET is supporting Smart City Mission of Government of India, especially in promoting governance and transparency in the mission. He said that GCNI-CEGET is playing a lead role in helping shape a collaborative and transparent framework for Smart Cities in India. He detailed out the work and progress made by GCNI-CEGET in Smart City Mission.

Adhering to the objective of the Workshop, Mr. Somnath Singh shared about GCNI-CEGET's specific support to Smart Cities like advisory service on governance and compliance, Public Private Partnership (PPP) framework for designing transaction procedures, Formulation of evaluation parameters, Exploring alternate financial models and Risk Assessment and Mitigation, specifically in Infrastructure projects.



SESSIONS:

UTTAR PRADESH SMART CITY: PROGRESS CITY-WISE

LUCKNOW SMART CITIES

Team Leader: Mr. Sudhakant

STATUS OF PROJECTS: The approval of Smart City Proposal of Rs 2053.00 Cr from Ministry of Housing and Urban Affairs (MoHUA), Government of India and the detail/status of the projects is as follows--

COMPLETED: 64.40 cr.

- Smart City Surveillance System Pan: Rs. 40 Cr.
- Restoration of Lal Baradari: Rs. 2.48 Cr.
- One Lucknow Smart Mobility Card 0.16 Property Tax, LMRC Card Integrated
- Electricity –Underground Distribution Cabling & Relocation of Transformers – ABD Area-Rs. 20.06 Cr.
- Public Bike Sharing in Gomti Nagar: With Zoom Cars Rs. 0.60 Cr.
- Solar Roof Top: Installed at Avati Bai On Resco Model- Rs. 1 Cr.- Net Metering.
- Establishing of Wi-Fi Hot Spot in Parks: 6 Parks, Rs. 0.10 With Sikka Broadband.

ON GOVERNMENT OF INDIANG AWARDED WORK IN PROGRESS:834.10 Cr.

- Smart City Surveillance System as PAN city: Rs. 40 Cr.
- Construction of Smart City Knowledge Management Centre (Building): Rs. 4.88 Cr.
- Solid Waste Management GPA & ICT for user charge collection, Smart Community Bins, Road Cleaning Equipment: Rs. 18.40 Cr.
- International Culture & Heritage Centre Chatter Manzil -Rs. 96 Cr.
- Conservation of Archeological Research and Heritage Centre Roshan Ud Daulah Kothi: Rs. 13.55 Cr.
- Heritage Conservation of Kothi Gulistane Eram Rs. 11.38 Cr.
- Conservation of DARSHAN VIALS KOTHI: INTACH: Rs. 8.72 Cr.
(Appoint Own Member by INTACH ASI State Chapter Culture Department Own Vendor against Smart City Agreement)
- Awadh Point Central Begum Hazrat Park; Rs. 12 Cr.
- Cultural Club at Rifah E Am: Rs. 8 Cr.
- Tourist Information Centre At Sibtinabad Imambara: Rs. 1 Cr.
- Restoration of Maurice Market Near Qaiserbagh Crossing: Rs. 2 Cr.
- Lucknow Smart City Management System/Portal and Variable Message Sign: Rs. 43.45 Cr.
- Smart Grid Waste Water Treatment in Balrampur and Avanti Bai Hospital-Rs. 6.12 Cr. (Issue in Location of Project of Digging Water Tanks--- Double Piping DNP Infra is the Vendor).
- Energy Efficient Street Lighting-Rs. 144 Cr.
- PNG Network -Rs. 30.50 Cr Green Gas System.
- Sanitation Public Community Toilets -Rs.10.80 Cr, in ABD Area.
- Lucknow Smart City App-Rs. 0.20 Cr.
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Beautification of Qaiserbagh Chauraha: Rs. 1.12 Cr.- By CSR Funding

- Integrated Traffic Management System: Rs. 78 Cr. from Convergence; Traffic Directorate Approval Waited for Yr-1 Funding from Transport Department, Government of Uttar Pradesh.
- Smart Bus Queue Shelter: Rs. 6.62 Cr; EPC Mode PWD Roads Vendor Finalized, (Footing Done, PWD Removed Foundations by JCB Dig Out Without Any Intimation Intervention of DM but no written assurance is awaited).
- 200 bus shelter in Lucknow, 4 mts apart from carriage way, IUT codes for roads, IRC codes 1983 for NH, IUT urban roads codes.
- PWD is not cooperating, consensus among authorities, state culture department conflict for heritage vendor, health department NOC, etc.
- Hazratganj, IGP junction other 110 on Government of Indiang. Rs. 110 Cr; Rs. 50 Cr by state, important 110 junctions of ITMS dedicated urban transport fund 50 % cost sharing.
- ICT for city bus services: Rs. 0.38 Cr.
- Road and junction improvements: Rs. 6.68(42.50).
- Electricity smart metering: Rs. 5.14 Cr.
- Sewerage: sewer line along nullahs: Rs. 208 Cr.
- Sewerage strengthening and augmentation of network – Rs. 312 Cr.
- Open gym: Rs. 0.60 Cr.
- Portable compactors 20: Rs. 3.26 Cr

Tender prepared but approval process at Board/Concerned Departments: 112.01 Cr

- Water Supply UPJN SCADA: Rs. 43.42 Cr -Water Supply Metering
- New Multilevel Car Parking Fish Market Qaiserbagh Crossing: Rs. 56 Cr PPP Tender Floated, but no bidder showed interest.
- Façade Lighting at Heritage Building: Rs. 3.52 Cr.
- Road Cleaning Equipment: Rs. 4,80 Cr.
- Command Control Centre For ITMS Projects: Rs. 3.52 Cr.
- Night Shelter: Rs. 0.75 Cr.

DPR PREPARED AND APPROVED: Rs. 75.85 Cr

- Smart City Surveillance System – Rs. 14.25 Cr-- No Tender
- Establishment of SCADA /DMS System: Rs. 62.60 Cr -- Awaiting Approval From HSPC.

DPR prepared- not approved: 536.25 Cr

- Drainage coverage of Nulah -Rs. 197 Cr; no drainage component.
- Transforming existed globe park to universally accessible barrier free park: Rs. 4 Cr.
- Lucknow safe city project: Rs. 195 Cr; home department tendering yet not started
- Infrastructure works and facilities at Slums: Rs. 11.40 Cr.
- Urban Mobility Nodes PAN City: Rs. 64.00 Cr.
- Urban Mobility Nodes ABD: Rs. 4.00 Cr.
- Utility Duct (Electricity, Water, telecom, OFC, PNG): Rs. 60.00 Cr.
- Smart Parking solutions for off street & on street parking & smart ticketing: Rs. 0.10, (8.40) Cr.

KANPUR SMART CITY

Team Leader: Mr. Manish Shandilya

STATUS OF PROJECTS : The approval of Smart City Proposal of Rs. 2311.97 from Ministry of Housing and Urban Affairs (MoHUA), Government of India and out of which Rs. 923.26 is from SCM fund and Rs. 1388.71 is from convergence fund. Total 52 projects have been taken up where 30 projects are from SCM and 22 are Projects from convergence.

Projects status: Out of 52 projects of SCP, 38 DPRs prepared where 33 DPRs approved and 21 Tenders approved and 3 projects completed.

- ICT solid waste management
- Gem vehicles technical bid 70 refuse compactors
- Transfer station land -3 are ready and for 3 no location chosen.

AGRA SMART CITY:

Mr. Bodh Saraswat, PMC

STATUS OF PROJECTS: The approval of Smart City Proposal of Rs. 2133.00 from Ministry of Housing and Urban Affairs (MoHUA), Government of India and out of which Rs. 1364.06 is from SCM fund and Rs. 768.94 is from convergence fund. Total 40 projects have been taken up where 23 projects are from SCM and 17 Projects are from convergence.

Projects status: Out of 40 projects of SCP, 38 DPRs prepared where 31 DPRs approved and 18 projects started and 10 projects were completed.

VARANASI SMART CITY:

Mr. Bharat Bhushan, PMC

STATUS OF PROJECTS: The approval of Smart City Proposal of Rs 2520.73 from Ministry of Housing and Urban Affairs (MoHUA), Government of India

Projects status:

- a) Projects awarded Rs. 289.31 Cr + 40.90 Cr; From other agencies- Rs. 29.86 Cr = Total 360.07 Cr
- b) DPRs prepared and projects awaiting approval = Rs. 492.06 Cr.
- c) Projects under tendering = 0.51 Cr.
- d) PPP Projects under preparation: Redevelopment of Dr. Sampurnanand Smart Sport complex

MORADABAD SMART CITY

Mr. T N Mishra, Nodal officer MNN

STATUS OF PROJECTS: The approval of Smart City Proposal of Rs. 1748.59 is from Ministry of Housing and Urban Affairs (MoHUA), Government of India.

Projects status:

- a) Project clubbed in two phases; Phase one 15 projects in 4 DPR =Rs. 186.75 Cr and Phase two 7 projects in 6 DPR = Rs. 159.87 Cr.
- b) 9 Projects Revised as per feasibility of projects.
- c) 3 projects removed which was part of SPC proposal due to availability of land.

SAHARANPUR SMART CITY:

Naveen Kumar, PMC

STATUS OF PROJECTS: The approval of Smart City Proposal of Rs 1505.00 Cr. is from Ministry of Housing and Urban Affairs (MoHUA), Government of India.

Projects status:

- a) DPR prepared for 11 modules and ABD 55 sub modules: 35 situation analysis report
- b) 2 modules pan city ICT
- c) Engagement of IIT Roorkee for vetting DPR

JHANSI SMART CITY

Mr. Hari Darshan Lambar, PMC

STATUS OF PROJECTS:

The approval of Smart City Proposal of Rs 1564.00 Cr. is from Ministry of Housing and Urban Affairs (MoHUA), Government of India and out of which Rs. 927.73 is from SCM fund and Rs. 591.55 is from convergence fund and 25.08 under PPP.

Projects status: 19 DPR prepared where 12 DPRs approved, 12 Tenders approved and 6 projects completed.

MORADABAD SMART CITY

Mr. T N Mishra, Nodal officer MNN

STATUS OF PROJECTS: The approval of Smart City Proposal of Rs. 1748.59 is from Ministry of Housing and Urban Affairs (MoHUA), Government of India.

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Projects status: 19 DPR prepared where 12 DPRs approved, 12 Tenders approved and 6 projects completed.

BAREILLY SMART CITY:
Mr. Abhishek Singh, PMC

STATUS OF PROJECTS: The approval of Smart City Proposal of Rs 1789.14 Cr is from Ministry of Housing and Urban Affairs (MoHUA), Government of India and out of which, Rs. 1044.32 is from SCM fund and Rs. 226.19 is from convergence fund and Rs. 478.63 is under PPP.

Projects status:

- On Government of India: DPR prepared in approval process
- Smart Classes: Rs. 1.91 Cr.
- Open Gyms: Rs. 1.3 Cr.
- Delapier Traffic Junction & Road development (Integrated Urban Infrastructure): Rs. 26.41 Cr.
- Branding – Advertisements & PR Activity: Rs. 18 Cr (8 Cr PPP).
- Solar Roof Top: Rs. 9 Cr.
- Integrated urban Infrastructure (Development of Mobility plan, rejuvenation of lakes / green spaces, NMT track & Retrofitting of Areas): Rs. 32.02 Cr. worth tenders floated, Rs. 20.8 Cr tender finalized and work started

ISSUES & CHALLENGES:

- The Special Purpose Vehicles (SPV) for Smart Cities were constituted under Companies Act, 2013 but are still unable to function as independent companies as they are being headed by bureaucrats who have been given additional charge.
- Most of the Smart Cities Project Management Consultants (PMC) are facing delay in payments.
- SPVs are unable to deliver the planned projects in time due to non-cooperation of multiple departments.
- Lack of interest of SPVs on the part of developers and contractors as they do not want to invest and collaborate with the Urban Local Bodies (ULB) of Uttar Pradesh.
- PMC/s has no supporting staff for monitoring and coordination of health safety, environment planning, material engineering to check field & civil works etc. hence additional technical manpower is needed.
- Single Window Clearance for inter departmental co-ordination is required.
- Approval process & mechanism of DPRs is very lengthy and time taking.
- Smart cities require technical and financial support from international institutions and funding agencies for implementation of PPP projects.

DISCUSSION & WAY FORWARD:

This session was chaired by Shri Anurag Yadav, Secretary & Mission Director-Smart Cities, Department of Urban Development, Government of Uttar Pradesh, expressed that such workshop must be organized on regular basis wherein Cities should share progress, issues & challenges and the innovations that helped in strengthening Smart City Mission in the state.

He stated that a major component of the smart was to be implemented through convergence and PPP but most smart cities of UP are still in the initial strategy of project planning and tendering. He was of the opinion that most of the SPVs are facing roadblocks with regard to execution of the convergence projects hence prioritization of doable projects should be done.

PMC should have proper plan and roadmap related to the utilization of funds as till now hardly 10% of the smart cities fund has been utilized in the state.

The Mission Director informed that a committee at the state level has been formed under his chairmanship for speedy approval and vetting of the technical projects/DPRs.

The Mission Director emphasized on the fact that the DPRs which are being framed are lacking proper Cost benefit analysis, BOQ (Bill Of Quantities), Drawing Design, and other technical aspects through which its benefits to citizens could be ensured. State is working toward providing single window clearance for inter departmental co-ordination at the SHPSC (State level High Powered Steering Committee) level. A government order, in this regard, has already been issued by the state government earlier which will be reviewed soon.

Mr. Somnath Singh, Programme Manager, GCNI thanked the Mission Director for chairing the workshop and expressed that GCNI-CEGET may play a lead role in creating a collaborative and transparent framework for Smart Cities in Uttar Pradesh. Based on the city specific needs tailor made solutions and may be provided.

PARTICIPANTS

The workshop was attended by the representatives of SPVs and PMCs of 10 Smart Cities of Uttar Pradesh state. The list of participants is annexed.

COORDINATION

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

VENUE

Conference Hall 1, Regional Centre for Urban and Environmental Studies (RCUES), Lucknow.

LIST OF PARTICIPANTS & RESOURCE PERSONS FROM RCUES & GCNI							
S.No.	Name	Designation	Type of ULB	Name of ULB	Contact No.	Gender	E-mail ID
1	Ms. Pooja Tripathi	Assistant Municipal Commissioner/ Nodal Officer SCM	Nagar Nigam	Kanpur	7081802663	Female	pujatripathi.geo@gmail.com
2	Mr. Utkarsh Dwivedi	Senior Executive-Operations (PMC)	Nagar Nigam	Kanpur	9284176034	Male	utkarshdwivedi@repl.global
3	Mr. Bharat Bhushan Varshney	Team Leader (PMC)	Nagar Nigam	Varanasi	8076640507	Male	bharat.varshney@repl.global
4	Mr. Dileep Kumar	Urban Planner	Nagar Nigam	Bareilly	9023527316	Male	kumar_d87@hotmail.com
5	Mr. Abhijit Mandal	Urban Infrastructure Specialist	Nagar Nigam	Bareilly	9830438918	Male	abhijit.mandal@srei.com
6	Mr. Abhishek Singh	Project Planning & Management Specialist	Nagar Nigam	Bareilly	9889940050	Male	sing_abhi1210@gmail.com
7	Mr. Manish N. Sandilya	Team Leader	Nagar Nigam	Kanpur	9628423666	Male	manishsandilya@repl.global
8	Mr. Ajai Prakash	Faculty	GCNI		9415189033	Male	ajaiprakash@gmail.com
9	Mr. Somnath Singh	Programme Manager	GCNI		9871074298	Male	somnath.ceget@globalcompact.in
10	Mr. Arya Dev	Programme Analyst	GCNI		9953537783	Male	arya.ceget@globalcompact.in
11	Mr. Naveen Kumar	PPMS Expert	Nagar Nigam	Saharanpur	9810030297	Male	naveen.kumar@ifsiindia.com
12	Mr. Jitender Pal	Senior Manager (IL&FS)	Nagar Nigam	Saharanpur	9313361987	Male	jitender.pal@ifsiindia.com
13	Mr. W.R. Hari N Raj		IL&FS	Moradabad	9899100122	Male	harinarayan.raj@ifsiindia.com
14	Mr. S. Haldar		IL&FS	Saharanpur & Moradabad	9711124990	Male	subhabrata.haldar@ifsiindia.com
15	Mr. T.N. Mishra	Nodal Officer-Smart City	Nagar Nigam	Moradabad	9105900568	Male	tnifinite@gmail.com

