

EXECUTIVE SUMMARY

The base of Lucknow's Smart City Proposal – Fast Track round was formulated on the comments provided by MoUD on the proposal submitted in December, 2015. Revision of the Smart City Proposal for Fast Track Round, started with review and understanding of the comments provided by MoUD and the proposals of winning cities, based on which the strategic approach for the Fast Track Round was outlined.

Participatory Approach: The feedback and suggestions received from CDAC, RCEUS, DFID, Yes Bank, C40 and others at each stage helped in analysing the proposal and narrowing down various approaches to formulate a pragmatic proposal. The citizens, urban planners, stakeholders and sector experts were also engaged in overall direction and formulation of the proposal. Under citizen engagement initiative an outreach of 46% of the total population was achieved through various means and modes. This helped in forming a citizen centric Smart City Proposal, benefitting all citizens.

In an attempt to **envelope** the entire proposal under one, it was ensured that the Vision statement reflects the SWOT outcomes and was in line with the existing city's vision of 2031. With much review and analysis, the **City's Vision** was formulated to be:

"Lucknow Smart City **aspires to leverage** its culture and heritage by investing in **inclusive** and **transformative** solutions that enhance the **quality of life** for its citizens"

Identification and streamlining: Based on the Vision outlined, the strategic focus and blueprint was formulated as a way forward. The overall smart city plan was grouped under four focus areas, namely, **Jeevant, Sugam, Swachh** and **Samruddh**. To achieve these focus areas, goals and sub-goals were identified to narrow down the projects such that they would translate the vision, address the issues and would harness on the strengths and opportunities to form strong linkages between citizens, stakeholders and partners. Briefly the focus areas include:

1. LIVEABLE - JEEVANT LUCKNOW

Area Based Development [₹ 740.57 Cr]¹



Strengthening and Augmentation of existing physical infrastructure. To facilitate the provision of infrastructure services, an underground Utility Duct is being proposed. A SMART GRID comprising of 20 buildings is proposed which includes Rooftop Solar Panel PV, Rain Water Harvesting and Waste Water Treatment & Reuse. Based on the citizen engagement a new project under Fast Track round, Gomti River Front Development was added as an inclusive approach. Landscaping of parks/green areas with public facilities is proposed to create lively open spaces. Smart City Knowledge Management Centre-“ONE LUCKNOW CENTRE” is being proposed to facilitate the SPV office and incubation centre for knowledge industries.

¹ Excluding soft costs

Pan City [₹ 81 Cr]²

One Lucknow Smart City Management System/Portal is proposed which would include a centralized backend command centre, enabling interdepartmental coordination for efficient governance (G2G & G2C). Capacity Building programs to ensure participation of the administration and its wings in an effective manner with smart city management system. This step will help achieve the intent of the portal.

2. MOBILITY - SUGAM LUCKNOW



Area Based Development [₹ 188.81 Cr]³

“ONE LUCKNOW NODEs” are proposed with smart mobility solutions for commuters ease and to encourage NMT, cyclability, etc. Pedestrian friendly pathways [Barrier free] and Pelican Crossings are proposed to encourage walkability. Multi level smart parking solutions are proposed to decongest roads from un-regularised on-street parking, thereby improving vehicular movement, resulting in increase in travel speed, reduction in air pollution and fuel consumption. Introduction of Smart Ticketing solutions [penalty system] to curb encroachments on footpaths and facilitate walkability. Features like CCTV Camera, Emergency Call Points and Modern Police Kiosks to ensure safety of citizens [children, women and elderly]. LED based energy efficient street lighting to reduce energy consumption.

Pan City Proposal [₹ 476.58 Cr]⁴

Based on the citizen engagement, city profile and SWOT analysis, “Urban Mobility” emerged as priority theme to be addressed in PAN City. ICT enabled smart solutions like, Integrated Traffic Management System, Smart City Surveillance System, Smart Solutions for Existing Parking, ICT for City Bus Services, Smart Bus Shelters, Unified Smart Mobility Card, One Lucknow Nodes and Energy Efficient street Lighting [LED] are proposed. These interventions will result in reduction in traffic congestion, improved travel time, encourage public transportation use, increase in safety of citizens by speedy response to the incident based on real time data, reduction in air pollution and fuel consumption, hence, providing a holistic, viable and effective approach towards traffic management through data driven measures for integration of operation, coordination and scheduling.

3. CLEAN - SWACHH LUCKNOW



Area Based Development [₹ 319.20 Cr]⁵

The prime objective is to make the selected area “SWACHH” by facilitating efficient solid waste management and achieving Zero percent open defecation. It is proposed to strengthen and augment the sewerage system, provide public and community toilets, roadside & community smart bins and equipments.

² Excluding soft costs

³ Excluding soft costs

⁴ Excluding soft costs

⁵ Excluding soft costs

4. PROSPEROUS - SAMRUDDH LUCKNOW

Area Based Development [₹ 170.73 Cr]⁶



Rejuvenation of the old structure (SAD protected) so as to revive it and make it a themed recreational space with features of museum etc. The underutilized and degraded structures need interventions. In addition, improvement in social infrastructure is required to improve the quality of life as well as the physical facade of the area. Smart and creative interventions, like Awadh Point and Thandi Sadak, will help create a centralised recreational space thereby amalgamating “Old and New” Lucknow. City branding will help promote these interventions resulting in a sense of belonging among citizens towards the city and its culture.

In the overall process it was ensured that each aspect was linked to another i.e. the citizen engagement and city profile driven SWOT formed the base for the Strategic blueprint. Further based on which the Vision and goals were formulated in line with the City’s Vision for 2031 and the Mission Guidelines & objectives. These Goals were then crystallized to formulate projects addressing concern of citizens and harnessing the strengths & opportunities to overcome weakness and threats.

Mainstreaming: To make the projects pragmatic and implementable vigorous citizen engagement and stakeholder consultation was conducted. The inventory of projects/programmes/schemes formulated during the city profiling helped in linking the projects to funds so as to ensure its viability. The convergence and risks were then analysed and addressed for each project. Further in discussion with stakeholders/line departments, projects were revised and revisited a number of times to gain their confidence and ensure their support for respective projects [MoUs]. The projects are prioritized and linked in a seamless manner across duration of 5 years with detailed fund flow pattern covering all aspects. Based on the projects finalized partners and suppliers were approached for their opinion, feedback and support. These approaches ensured that the Smart City Proposal is inclusive and realistic.

⁶ Excluding soft costs