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6th Annual Conference on

SMART CITIES IN INDIA

Mission Progress, Project Experience and the Way Forward

October 26-27, 2017, The Imperial, New Delhi

Organisers:

**Indian
Infrastructure**

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Smart Utilities

SMART CITIES IN INDIA

Mission

- In the past couple of years, smart cities have been a key focus area of the Indian government. Till date, 90 cities have been selected by the Ministry of Urban Development under the Smart Cities Mission launched in July 2015. In Round I, 20 cities were selected, followed by 13 in the Fast Track Round and 27 in Round II. Recently, in June 2017, another 30 cities were selected under Round III. Together, these 90 cities will entail investments worth over Rs 1.2 trillion.
- The selected cities have begun to make some headway, though there is still a long way to go. About 55 cities have incorporated city-level special purpose vehicles (SPV) for implementing projects. Further, 23 cities have appointed project management consultants (PMCs). Requests for proposals for appointing PMCs have been floated in another 22 cities.
- As of June 2017, about 800 projects (Rs 340 billion) have been identified by the 60 cities selected under Round I, Fast Track Competition and Round II. However, the progress has been slow with nearly 80 per cent of these projects still at the DPR or tendering stage. Projects worth only about Rs 10 billion have been completed while projects worth about Rs 45 billion are under implementation.
- Meanwhile, several cities have begun deploying smart technologies to efficiently provide civic services. Cities such as Hyderabad, Surat, Coimbatore, Bengaluru, Mangalore, Delhi, Mumbai and Chennai have launched initiatives for the deployment of advanced communications systems, intelligent traffic management systems, smart meters, GIS and GPRS for solid waste management, online billing systems, mobile-based complaint redressal systems, etc.
- At the same time, several new smart cities such as Gujarat International Finance Tec-City, Naya Raipur and Lavasa are already being developed as model cities through private sector participation. In addition, seven smart cities are under development as part of the Delhi-Mumbai Industrial Corridor.
- The concept of smart cities is not new globally. There are a number of successful case studies in Europe, such as Amsterdam, Barcelona, and Copenhagen, from which experience can be drawn. In fact, the Indian government has already collaborated with several international agencies and companies for technical assistance. These include International Enterprise Singapore, the US Trade and Development Agency, the French Agency for Development, the German House for Research and Innovation, SCANIA, Sweden and Xylem, USA.
- Efforts are also being made to mobilise funds through innovative financing models. A total of 94 cities have been accorded credit ratings to garner investor interest. Of these, 55 have a rating of BBB and above. Another noteworthy step has been the introduction of the value capture financing (VCF) model in February 2017. The globally used model is based on the government's right to claim a part of the increase in asset value resulting from its investments.
- There are, however, a number of issues and concerns that continue to slow down the uptake of projects. These include delays in the clearance and approval of projects, lack of coordination between different stakeholders, poor financial health of urban local bodies, and lack of investments in capacity building.
- **The mission of this conference is to analyse recent trends and developments, highlight the key opportunities, discuss execution strategies and examine the future outlook for smart cities. The conference will showcase global case studies as well as noteworthy solutions and technologies. It will also provide a platform to share experiences and exchange views and opinions.**

Target Audience

- The conference is targeted at top and middle-level managers from:
 - ULBs and related government agencies
 - Urban planning and development agencies
 - Policymakers and regulators
 - Infrastructure development organisations
 - State housing development agencies
 - State PPP cells
 - International and national development agencies
 - IT solution providers and technology providers
 - Power distribution utilities
 - Smart grid technology/equipment providers
 - Water distribution utilities
 - Waste management systems
 - Urban transport operators
 - Green/smart building solution providers
 - Metering manufacturers
 - Communication service/equipment providers
 - Intelligent traffic/transportation systems providers
 - Security and safety equipment providers
 - Financial institutions and investment agencies
 - Legal and insurance firms
 - Construction firms and contractors
 - Energy management consultants
 - Disaster management agencies
 - Project executing agencies

AGENDA/STRUCTURE

KEY TRENDS AND OUTLOOK

- ❖ What are the key trends and developments in this space?
- ❖ What is the future outlook? What are the new opportunities?
- ❖ What are the key issues and challenges?

UPDATE ON SMART CITIES MISSION ROUND I: 20 CITIES & 13 FASTTRACK CITIES

- ❖ What is the current status of projects announced under Round I?
- ❖ What are the investment requirements? What are the key sources of funding?
- ❖ What are the upcoming tenders?

UPDATE ON SMART CITIES MISSION ROUND II

- ❖ What is the update on SPV formation for cities under Round II?
- ❖ What are the key projects announced (water, waste, transport, power, safety, etc.)? What is the progress so far?
- ❖ What are the upcoming tenders? What are the opportunities for private developers?

UPDATE ON SMART CITIES MISSION ROUND III

- ❖ What is the update on SPV formation for smart cities under Round III? What are the next steps?
- ❖ What are the investment requirements? What are the key focus areas (water, transport, safety, etc.)?
- ❖ What are the upcoming tenders? What are the opportunities for private developers?

FOCUS ON PPP: OPPORTUNITIES & CHALLENGES

- ❖ What are the key thrust areas for PPPs? What are the steps being taken to incentivise PPPs to develop smart cities?
- ❖ What is the update on PPP projects announced under the mission?
- ❖ What is the level of private investment that will be required to develop smart cities?

FINANCING SMART CITIES

- ❖ What are the funding requirements? How are cities planning to meet this requirement?
- ❖ What are the government's recent measures for financing smart cities (credit rating, introduction of value capture financing model, etc.)?
- ❖ Which financing models are prevalent globally? Which ones hold relevance in the Indian context?

INTERNATIONAL COLLABORATIONS FOR THE SMART CITIES MISSION

- ❖ Which countries have expressed interest in partnering with India? What are the intervention areas?
- ❖ How can India leverage these global platforms for smart city development?
- ❖ Which cities have already signed bilateral arrangements for smart city development? What has been the experience so far?

SMART MOBILITY

- ❖ What are the specific solutions for smart mobility?
- ❖ What are some of the noteworthy projects and initiatives? What are the issues, challenges and key learnings?
- ❖ What are the upcoming opportunities? What is the future outlook?

SMART WATER AND WASTE MANAGEMENT

- ❖ What are the specific solutions for smart water and waste management?
- ❖ What are some of the noteworthy projects and initiatives in this regard? What are the issues, challenges and key learnings?
- ❖ What are the upcoming opportunities? What is the future outlook?

SMART ENERGY

- ❖ What are the specific solutions for smart energy?
- ❖ What are some of the noteworthy projects and initiatives in this regard? What are the issues, challenges and key learnings?
- ❖ What are the upcoming opportunities? What is the future outlook?

SMART SAFETY AND SECURITY

- ❖ What are the key technology options for smart safety and security?
- ❖ What has been the experience so far?
- ❖ What are the upcoming opportunities? What is the future outlook?

SMART GOVERNANCE AND COMMUNICATION

- ❖ What role can ICT play in smart governance?
- ❖ What are the new and emerging communication requirements of cities?
- ❖ What are some of the noteworthy initiatives and promising technologies for smart governance and communication?
- ❖ What are the upcoming opportunities? What is the future outlook?

GIS FOR SMART CITIES

- ❖ What are the major applications of GIS in effective governance of a smart city?
- ❖ What are the key technology options and best practices? What has been the experience so far?
- ❖ What are the key issues and challenges?

CASE STUDIES OF SELECT SMART CITIES*

- ❖ What are the key focus areas (mobility, water and waste, energy, governance, safety and security, buildings, communication, etc.) of your smart city project?
- ❖ What is the current status of the proposed projects? What are the plans and timelines?
- ❖ What are the investment requirements? How are these being met?
- ❖ What are the upcoming projects and opportunities?

PROJECT SHOWCASE: GLOBAL EXPERIENCE

- ❖ What are the key focus areas (water, transport, safety, etc.) of your smart city project?
- ❖ What are the new innovations and technologies? What has been the experience so far?
- ❖ What are the biggest issues and challenges? What are the key learnings?

UPDATE ON DMIC CITIES

- ❖ What is the current status of smart cities along the Delhi-Mumbai Industrial Corridor?
- ❖ What are the business and financial models for these cities?
- ❖ What are the future prospects and opportunities for the private sector?

* Presentations by key cities selected under Round I, Fast Track Competition, Round II and Round III.

Previous Participants

Some of the organisations that participated in our previous conferences include: ABB, Accenture, ADU, AECOM, Ahmedabad Municipal Corporation, Amara Raja, Arihant Superstructures, Arup, ASCI, Atkins, AUDA, Autodesk, AZB & Partners, Bajaj Electricals, Balurghat Municipality, Bar Code, Barco Electronic, BASF, Bechtel, BEE, Bentley, BESCO, BG Shirke Group, Bharil Realty, Bhattiya Group, Bhatpara Municipality, Bharat Heavy Electricals Limited (BHEL), Bhopal Municipal Corporation, Black & Veatch, Bosch, Budget Municipality, CIDCO, CISB Technologies, CISCO Systems, CRISIL, Deloitte, DIMTS, DIPP, DMICDC, DTCP, E.I Dupont, Egis, Eldeco Housing, EMBARQ, EPI, Ernst & Young Services, European Union, Ferranti, Fichtner, GDU, GE Industrial, GIFT, Godrej Infotech, Government of India, Government of Madhya Pradesh, Government of NCT of Delhi, Greenstar R&D, GTL, HDFC, HEC Infra Projects, Hexagon, Hitachi, Honeywell, IBI Consultancy, IBM, IGL, IIFCL, IL&FS Township, IL&FS Urban Infrastructure, Indo-German Energy Forum, Indra Sistemas, Indus Towers, Ingersoll Rand, Intergraph SG & I, IREO, ISGF, ITC Welcomegroup, Itron, Jaipur Nagar Nigam, Jaypee, JCB, JUSCO, KEI Industries, Kone Elevator, Kotak Securities, KPMG, Lavasa City Corporation, LEA Associates South Asia, Lelca Geosystems, McElroy, MDU, Metro Infrasy, Microsoft, MIDC, Ministry of Commerce and Industry, Mitsubishi Heavy Industries, MOUD, MSEDCL, National Instruments, NBCC, NDMA, NDMC, NEC Technologies, NEDO, NIDM, NRDA, NRDC, NWCDC, Oracle, Phillips, Pimpri Chinchwad Municipal Corporation, Pujall Municipality, Qualcomm, Ramboll, RITES, SAS, SBI Capital Markets, Schneider, Scope T&M, SGTF, Siemens, Solapur Municipal Corporation, SPML Infra, Tamil Nadu Housing Board, Tata Communications, Tata Consultancy Services, Tata Housing, Tata Realty, Tata Teleservices, The World Bank Group, TVASTAR UPEIDA, UPHDB, Uponor, UPTCP, URS Scott Wilson, UTTIPEC, Veolia Water, Volvo, Warangal Municipal Corporation, Wartsila, Wave Infratech, Welspun Energy, Wipro, etc.

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are available**

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Registration Fee

Delegates	Fee till September 26, 2017 (30% discount)		Fee till October 11, 2017 (15% discount)		Fee post October 11, 2017			
	Total INR (incl. tax)	Total USD	Total INR (incl. tax)	Total USD	INR	GST @ 18%	Total INR	Total USD
1	20,650	345	25,075	418	25,000	4,500	29,500	492
2	33,040	550	40,120	668	40,000	7,200	47,200	786
3	45,430	755	55,165	918	55,000	9,900	64,900	1,080
4	57,820	960	70,210	1,168	70,000	12,600	82,600	1,374

- There is a 30 per cent "SUPER Early Bird" discount for those registering before September 26, 2017.
- There is a 15 per cent "Early Bird" discount for those registering before October 11, 2017.
- There is a special low fee of Rs 5,000 (plus 18% GST) per participant for urban local bodies, academic and research institutions, and government departments (excluding corporations, public or private).
- Registrations will be confirmed on receipt of the payment.
- To register online, please log on to <http://indiainfrastructure.com/conf.html>

Terms and Conditions:

- The conference is a non-residential programme. Full payment must be received prior to the conference.
- Conference fee includes lunch, tea/coffee and conference materials.
- Conference fees cannot be substituted for any other product or service being extended by India Infrastructure Publishing Pvt. Ltd.

Organisers

The conference is being organised by **India Infrastructure Publishing**, the leading provider of information on the infrastructure sectors through magazines, newsletters, reports and conferences. The company publishes Indian Infrastructure magazine. The group also publishes **Power Line**, **Renewable Watch**, **tele.net** and **Smart Utilities**. It also publishes a report on the **Smart Cities in India** and the **Smart Cities Directory and Yearbook**.

For delegate registrations and partnership opportunities, contact:

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