

Now Available

SMART CITIES IN INDIA 2018

Segment Analysis, Outlook and Opportunities

- ❖ Report (PDF)
- ❖ Data-set (Excel)

1. Executive Summary

SECTION I: OVERVIEW AND PROGRESS UNDER THE SMART CITIES MISSION

2. Overview

- ❖ Key Aspects and Features
- ❖ Smart Cities Mission
 - Coverage and Duration
 - Selection Process and No. of Cities Selected from Each State
 - Update on SPV Formation
 - Progress So Far
- ❖ Institutional Framework
- ❖ Union Budget 2017-18 and 2018-19: Key Announcements
- ❖ Investment Requirements
- ❖ Issues and Concerns
- ❖ Outlook and Projections

3. Round I - First 20 Cities

- ❖ Investment Requirements
- ❖ Key Details of Selected 20 Cities
- ❖ Current Status of Infrastructure
- ❖ Key Sources of Funding
- ❖ Progress on Projects
- ❖ Upcoming Tenders
- ❖ Outlook and Opportunities

4. Fast Track Competition - 13 Cities

- ❖ Key Details of Selected 13 Cities
- ❖ Current State of Infrastructure
- ❖ Investment Requirements
- ❖ Key Sources of Funding
- ❖ Progress on Projects
- ❖ Upcoming Tenders
- ❖ Outlook and Opportunities

5. Round II - 27 Cities

- ❖ Key Details of Selected 27 Cities
- ❖ Current State of Infrastructure
- ❖ Investment Requirements
- ❖ Key Sources of Funding
- ❖ Progress on Projects
- ❖ Upcoming Tenders
- ❖ Outlook and Opportunities

6. Round III - 30 Cities

- ❖ Key Details of Selected 30 Cities
- ❖ Current State of Infrastructure
- ❖ Investment Requirements
- ❖ Key Sources of Funding
- ❖ Progress on Projects
- ❖ Upcoming Tenders
- ❖ Outlook and Opportunities

7. Round IV - 9 Cities

- ❖ Key Details of Selected 9 Cities
- ❖ Current State of Infrastructure
- ❖ Investment Requirements
- ❖ Key Sources of Funding
- ❖ Outlook and Opportunities

8. International Collaborations under the Smart Cities Mission

- ❖ International Collaborations
- ❖ Key Focus/ Intervention Areas
- ❖ Nature of Assistance
- ❖ Experience So Far - Bilateral Agreements Signed under the Mission
- ❖ The Way Forward

9. Risks, Challenges and Impact Assessment

- ❖ Initial Project Risks and Mitigation Strategies
- ❖ Implementation Risks and Mitigation Strategies
- ❖ O&M Risks and Mitigation Strategies
- ❖ Financial Risks
- ❖ Impact of Smart City Development
- ❖ Key Success Factors

SECTION II: INVESTMENTS, OUTLOOK AND OPPORTUNITIES

10. Financing Needs and Challenges

- ❖ Experience So Far
- ❖ Key Sources of Funding
- ❖ New and Innovative Financing Options
- ❖ Funding Pattern
- ❖ Funds Released So Far
- ❖ Recent Government Measures
- ❖ Risks and Challenges
- ❖ The Way Forward

11. PPP Potential and Outlook

- ❖ Key Thrust Areas for PPP
- ❖ Experience So Far
- ❖ Update on PPP Projects
- ❖ Issues and Challenges
- ❖ Future Outlook

12. Analysis of Project Pipeline (By 2025-26)

- ❖ Overview of Projects in Pipeline
- ❖ Analysis by Segment
- ❖ Analysis by State
- ❖ Analysis by Stage of Development
- ❖ Analysis by Completion Period
- ❖ Expected Capacity Addition (Segment-wise)

13. Outlook and Market Opportunities (By 2025-26)

- ❖ Growth Drivers
- ❖ Upcoming Project Pipeline
- ❖ Investment Projections and Opportunities
- ❖ Market Opportunities
- ❖ Opportunity by Stakeholder
- ❖ Future Outlook

SECTION III: SEGMENT ANALYSIS AND OPPORTUNITIES

14. Smart Mobility

- ❖ Key Technology Solutions
- ❖ Key Performance Indicators
- ❖ Area-based Developments
- ❖ Pan-City Developments
- ❖ Convergence with Central Government Schemes
- ❖ Noteworthy Initiatives/Projects
- ❖ Key Learnings
- ❖ Key Projects Under Implementation
- ❖ Upcoming Tenders
- ❖ Outlook and Opportunities

15. Smart Water and Waste Management

- ❖ Key Technology Solutions
- ❖ Key Performance Indicators
- ❖ Area-based Developments
- ❖ Pan-City Developments
- ❖ Convergence with Central Government Schemes
- ❖ Noteworthy Initiatives/Projects
- ❖ Key Learnings
- ❖ Key Projects Under Implementation
- ❖ Upcoming Tenders
- ❖ Outlook and Opportunities

16. Smart Energy

- ❖ Key Technology Solutions
- ❖ Key Performance Indicators
- ❖ Noteworthy Initiatives/ Projects
- ❖ Convergence with Government Schemes
- ❖ Key Projects Under-implementation
- ❖ Key Projects - Under Tendering
- ❖ Key Learning
- ❖ Outlook and Opportunities

17. Smart Safety and Security

- ❖ Key Technology Solutions
- ❖ Key Performance Indicators
- ❖ Noteworthy Initiatives/Projects
- ❖ Key Projects Under-implementation
- ❖ Key Learning
- ❖ Key Projects - Under Tendering
- ❖ Outlook and Opportunities

18. Smart Governance and Communication

- ❖ Key Technology Solutions
- ❖ Key Performance Indicators
- ❖ Noteworthy Initiatives/Projects
- ❖ Convergence with Digital India
- ❖ Key Projects Under-implementation
- ❖ Key Projects - Under Tendering
- ❖ Key Learning
- ❖ Outlook and Opportunities

19. Affordable Housing

- ❖ Key Performance Indicators
- ❖ Convergence with Central Government Schemes
- ❖ Key Learnings
- ❖ Noteworthy projects
- ❖ Key projects Under Implementation and Announced
- ❖ Upcoming Tenders

20. Other Focus Areas

- ❖ Education
- ❖ Healthcare
- ❖ Roads and Flyovers
- ❖ City Gas Distribution
- ❖ Public Amenities/ Capacity Building

SECTION IV: GLOBAL AND INDIAN CASE STUDIES

21. Case Studies of Select Smart Cities In India

- ❖ GIFT City
- ❖ Lavasa
- ❖ Naya Raipur
- ❖ Dholera
- ❖ Aurangabad Industrial Smart City
- ❖ Vikram Udyogpuri
- ❖ Integrated Industrial Township Greater Noida Limited
- ❖ New Delhi
- ❖ Surat
- ❖ Varanasi

Each case study provides information on:

- Key Focus Areas (Mobility, Water and Waste, Energy, Governance, Safety and Security, Buildings, Communication, etc.)
- New Innovations and Technologies
- Best Practices and Key Learnings
- Issues and Challenges

22. Case Studies of Existing Global Smart Cities

- ❖ Amsterdam
- ❖ Barcelona
- ❖ Singapore
- ❖ Stockholm
- ❖ Manchester
- ❖ Copenhagen

Each case study provides information on:

- Key Focus Areas (Mobility, Water and Waste, Energy, Governance, Safety and Security, Buildings, Communication, etc.)
- New Innovations and Technologies
- Best Practices and Key Learnings
- Issues and Challenges

23. Database of Key Projects

A comprehensive excel-based database of projects across water supply, sewerage, waste, energy, mobility, roads, flyovers, safety and security, e-governance, healthcare, capacity building and city gas distribution segments.

Each project provides information on:

- ❖ Scope
- ❖ Project Cost
- ❖ Type of Project (Area-based or Pan-City)
- ❖ Contractor/Developer
- ❖ Completion Date (wherever available)

List of Tables

Round wise Selected Number of Cities under the Mission with Month of Selection
 Number of Cities Allocated to States based on Urban Population and Number of Statutory Towns
 Cities which have formed the SPV as on February 9, 2018
 Round wise progress of the 90 Smart Cities
 Combined Outlay for AMRUT and Smart Cities Mission for 2016-17 to 2018-19 under the Union Budgets
 Investment Requirements
 Status of Project Implementation
 Funds Released Under the Mission
 Status of Work Completed for PPP Projects in 60 Smart Cities as on January 29, 2018
 Overview of Projects in Pipeline
 Mode and Type-wise Break-up of Projects under SCM
 Segment-wise Break-up of Projects
 Round and Segment-wise Break-up of Projects
 State-wise Break-up of Projects
 Mode-wise Opportunity under SCM
 City-wise KPIs for Public Transport for 99 Cities Selected under the Smart Cities Mission
 Indicative list of Smart Mobility Projects achieving convergence under the mission
 Key Projects Under Implementation
 List of Top Upcoming Tenders
 City-wise KPIs for Water Supply (Round I - 33 cities)
 City-wise KPIs for Water Supply (Round II - 27 cities)
 City-wise KPIs for Water Supply (Round III - 30 cities)
 City-wise KPIs for Water Supply (Round IV - 30 cities)
 City-wise KPIs for Waste Management (For Round I and Fast Track Cities)
 City-wise KPIs for Waste Management (Round II and Fast Track Cities)
 City-wise KPIs for Waste Management (Round III and Fast Track Cities)
 City-wise KPIs for Waste Management (Round IV and Fast Track Cities)
 List of Projects being Funded through Convergence with Other Schemes
 Key Projects Under Implementation in Past One Year
 List of Top Upcoming Tenders
 City-wise Power Distribution Scenario for 45 Smart Cities (December 2017)
 State-wise Status of Solar/Solar Rooftop Policy and Net Metering Regulation
 Financial Incentives for RTS on Rooftop of Government Building/PSUs
 Key Policy Initiatives by the Central Government
 Progress under National LED Program (As of January 15, 2018)
 List of solar cities under SCM
 Smart Governance and Communication Projects being Funded under Digital India
 Key Under-implementation Smart Energy Projects
 List of Top Upcoming Tenders
 Key Smart Safety and Security Projects Under-implementation
 List of Top Upcoming Tenders
 Key Governance and Communication Indicators
 Smart Governance and Communication Projects being Funded under Digital India
 List of Top Upcoming Tenders
 Round-wise Project Pipeline for Smart Governance and Communication at ABD level
 Round-wise Project Pipeline for Smart Governance and Communication at Pan-city level
 City-wise KPIs for Affordable Housing (Round I- first 20 cities)
 City-wise KPIs for Affordable Housing (Round II- first 27 cities)
 City-wise KPIs for Affordable Housing (Round III- first 27 cities)
 City-wise KPIs for Affordable Housing (Round IV- cities)
 List of Convergence Projects
 List of projects with project cost above Rs 1 billion
 Key Affordable Housing Projects Announced
 Key Affordable Housing Projects under Implementation

List of Figures

Expected Impact (First 60 Cities)
 City Wise Project Progress Mapped for Round 1 and Round 2 Cities (Rs Billion) as of December 2017
 Type wise projects under tendering
 Category wise projects under tendering in Round I of the mission
 Estimated cost of projects in the announced/planned phase in Round I cities as per Smart City Proposals
 Estimated opportunity by type in Round I cities
 Project Pipeline for Fast Track Cities at the ABD Level
 Project Pipeline for Fast Track Cities at the Pan-city Level
 City-wise Project Pipeline for Fast Track Cities
 Total Population Impacted
 Total Households Covered
 Total Area Impacted (sq.km)
 Total area under Area-based Development (acres)
 Sources of Funding First 60 Smart Cities
 Distribution of funds under scheme
 Capital Sourcing Distribution
 City Wise PPP Projects Where Work Order has been Issued/ Work Completed as on October 30, 2017
 Overall PPP Project Status
 Share of PPP in Total Investment
 Category wise PPP projects
 Type wise PPP projects
 Top 10 Cities by announced PPP investment
 Type-wise Break-up of Projects under SCM
 Projected Investment Flow under SCM
 Key Funding Sources
 Snapshot of Upcoming Project Pipeline
 Area-based Smart Mobility Projects
 Pan city based Smart Mobility Projects
 Top 10 City-wise Opportunity
 Category wise-Split of Opportunity: Top six areas
 Water and Sewage Projects
 Waste Management Projects
 Area-based Waste Management Projects
 Area-based Water and Sewage Projects
 Pan-city Waste Management Projects
 Pan-city Water and Sewage Projects
 Top 10 City-wise Split of Opportunities (Water and Sewage)
 Category wise-Split of Opportunities (Water and Sewage)
 Top 10 City-wise Split of Opportunities (Waste Projects)
 Category wise-Split of Opportunities (Waste Management)
 Project Pipeline for Smart Energy at the ABD Level
 Project Pipeline Smart Energy at the Pan-city Level
 Top 10 Cities with Investment in Smart Energy
 Project Pipeline for Smart Safety and Security at the ABD Level
 Project Pipeline Smart Safety and Security at the Pan-city Level
 Top 10 Cities with Investment in Smart Safety and Security
 Project Pipeline for Smart Governance and Communication at the ABD Level
 Project Pipeline for Smart Governance and Communication at the Pan-city Level
 Top 10 Cities with Investment in Smart Governance and Communication
 Round-wise number of projects and investment in Education
 Round-wise number of projects and investment in Healthcare
 Round-wise number of projects and investment for Roads and Flyovers sector
 Round-wise number of projects and investment for City Gas Distribution
 Round-wise number of projects and investment for Public Amenities/Capacity Building
 Sector-wise number of projects in the under-tendering stage

I would like to purchase the “Smart Cities in India 2018” report:

Format (PDF)	Price
Site Licence (Single Location)	Rs 75,000
GST @ 18%	Rs 13,500
Total	<input type="checkbox"/> Rs 88,500
<hr/>	
Enterprise Licence (Multiple Locations)	Rs 1,12,500
GST @ 18%	Rs 20,250
Total	<input type="checkbox"/> Rs 1,32,750

I am enclosing a cheque/demand draft for Rs _____, vide cheque/demand draft no. _____ drawn on _____ dated _____ in favour of “India Infrastructure Publishing Pvt. Ltd.”

Signature

.....

Name (Block Letters) _____

Designation _____

Company _____

Company GST No. _____

Mailing Address _____

Telephone _____ Mobile _____

E-mail _____

Wire transfer details:

Beneficiary : India Infrastructure Publishing Pvt. Ltd.
Bank Name : The Hongkong and Shanghai Banking Corporation Ltd
Bank Address : R-47, Greater Kailash-1, New Delhi - 110048
Account No. : 094179587002
Swift Code : HSBCINBB
IFSC Code : HSBC0110006
GSTIN : 07AAACI5880R1ZV

Contact details:

Pritish Verma
 Assistant Manager – Information Products
 India Infrastructure Publishing Pvt. Ltd.
 B-17, Outab Institutional Area, New Delhi 110016, India
 Tel: +91 11 46012963, 41034600, 41034601
 Mobile: +91 9910833878; Fax: +91 11 2653 1196
 Email: pritish.verma@indiainfrastructure.com