



**Ministry of Urban Development
Smart Cities Mission**

30th June, 2016

Advisory No. 2

Subject: Preparing DPR/RFP for Pan City Smart Solutions.

1. Pan city development envisages application of IT to improve, Governance, delivery of Public Service and Infrastructure in Smart Cities. Smartness means applying frugal innovation, building on existing infrastructure and service to get more out of them, making better use of resources etc. The DPRs/RFPs for Smart Solutions for the States will be developed by the PMC. While preparing the DPRs/RFPs, the Cyber Security Model framework circulated vide this Ministry's OM No. K-15016/61/2016-SC-I dated 20th May, 2016 should be incorporated.
2. Based on model RFP prepared by DietY, the broad Scope of Work will include:
 - i. Preparation of DPR
 - ii. Carrying out Business Process Re-engineering (BPR)
 - iii. Development of Technical Requirements and Solution Design
 - iv. Bid Process Management (Including RFP Preparation)
 - v. Project Management and Change Management Support
 - vi. User Acceptance Testing (UAT) Management
 - vii. Third Party Assessment (TPA)
3. A useful example is the RFP developed by the MMRDA for the Bandra -Kurla Complex (BKC). The BKC model is based on System Integrator model, including following components.
 - (a) Smart BKC Street Infrastructure setup
 - (b) Public Wi-Fi and related wired network infrastructure
 - i. Free outdoor public Wi-Fi
 - ii. Paid premium outdoor public Wi-Fi
 - iii. Wi-Fi and Wired Internet access at MMRDA exhibition grounds

- (c) Smart Parking with 'Parking Management and Guidance System' and related street infrastructure
 - i. Smart Indoor Parking
 - ii. Smart Outdoor Parking
 - iii. Smart Street Parking

- (d) Citizen Mobile Application and Online Citizen Portal

- (e) Integrated Building Monitoring System Dashboards (Integrating information from BKC buildings and creating information dashboards)

- (f) Environmental Indicators Dashboards and related Street Infrastructure
 - i. Noise Sensors
 - ii. Air Quality Sensors
 - iii. Weather Sensors

- (g) Integrated Industry Standard Open Platform

- (h) A Centralized Command and Control Center for centralized monitoring & decision making related to:
 - i. Network and Security Management Solution
 - ii. Centralized System Security Solution
 - iii. Core Computing and Data Processing infrastructure
 - iv. Integration with Third Party Shared Services
 - v. Managed hosted Data Center (DC)
 - vi. Private Cloud based Disaster Recovery (DR)

- (i) Comprehensive Project Management Solution -web-based

- (j) Convergence Points
 - i. Video Surveillance
 - ii. Intelligent Streetlights

4. The broad scope of work, output and deliverables mentioned above are only indicative and given for facility of reference. Each City may need to customize them as per their actual requirements. All the above documents are also available on the Mission website.