

## TECH CLINIC EPISODE-8

### Addressing technology challenges & issues pertaining to ICCC

This episode of the Tech Clinic will focus on technology challenges surrounding the implementation of ICCC projects in smart cities, ranging from preparation of DPRs, technical feasibility, ICCC implementation, O&M TO consortium management and administrative concerns.

Join us as we attempt to answer questions asked by cities on issues being faced by them in ICCC implementation and operationalisation.

Register here: <https://mohua-india.webex.com/mohua-india/onstage/g.php?MTID=edc014e39724d9374ed8dd5a7d9a626a8>

7<sup>th</sup> July  
2020

3-4 PM



**Keynote:**

**Mr. Rahul Kapoor**, Director-  
Smart Cities Mission.

**Session Panel:**

**Mr. Padam Vijay, Mr. Abhishek**  
Dubey- Smart Cities Mission  
Technical Team

**Moderator:**

**Mr Padam Vijay**, Smart  
Cities Mission Technical  
Team



# Question & Answer



1. Considering the new directive of "Make in india" , many of the OEMs and vendors are pushing the "Make in India" Products and services , although Technologies and systems used in ICCC and related extended use case technologies are still provided by MNCs/ Global companies....which are well proven in the market....How can we address this challenge to create a balance to get the well proven and Globally used technologies against newly developed / Not so popular products and services ,to be used in ICCC core services
2. How mission is targeting to connect MSME manufacturing sector to Smart City Infrastructure
3. India has banned China products. Request to share your views and official communication as to how to exclude such banned products.
4. Can we reduce the price competition in the market to provide quality service

# Question & Answer



5. How many consortium members can be allowed in an ICCC Project at max...whats the trend
6. If there arises any issue pertaining to finance between lead bidder and consortium partners which affects project implementation phase, what could be the possible solution for this issues?
7. Coordination not witnessed within consortium Why ?
8. Can we include Gartner magic quadrant condition in the RFP for various products / services
9. Can the local companies of the city participate in the implementation of any ICT project
10. Can there be a cap for each project tendered out? Can more smaller players simultaneously execute many smaller projects (that are independent), so that a quicker time period is achieved for outcomes?

# Question & Answer



11. Can we reduce the connectivity, maintenance cost/Can the service providers share the same infrastructure
12. Since the operation and maintenance of the ICCC includes huge cost to be beared by the city corporation post 5 years of maintenance , it is better that the underground OFC cable project may be allowed to taken up. This will reduce huge O &M cost on the network requirements and can make ICCC self sufficient to handle the operations.
13. Request Standardized base modules across all cities for easy exchange of data and fast analytics
14. Cities should not be made to marry with an ICCC Platform through SI Tender. If the platform is not being implemented well or lacks the capability, cities should have the option to choose more suitable platforms. A suitable provision in this regard should be made in RFPs issued for the SI.
15. lack of technical architecture definition with modular approach so various vendors can participate, compete and excel in delivery.

# Question & Answer



16. As we all are aware, cloud technology is the most advanced technology over on-premises DC / DR setup. We should go for private / public / Hybrid model could for hosting the services. Kindly clarify that is there any guidelines from Ministry for in this regard.
17. Data centre on cloud and on premise has become a major challenge these days. Both has its own advantages and disadvantages. If smart city mission can provide guidelines on this or make it common across all smart cities. It would help roll out the solutions in a common manner
18. What is being done towards Integrated Wastewater Management in smart cities?
19. What is the cost-effective wastewater treatment plant for smart cities in India?
20. 10. How are monitoring and governance issues handled as far wastewater management?

# Question & Answer (ICCC)



1. A thorough document enlisting various Use Cases to be implemented by Cities through ICCC is unavailable
2. ICCC Implementation framework should be based on Micro Services architecture. SCM should issue certain advisory around the same
3. ICCC - what it is expected to deliver for each city at the minimum? How to sustain it over the next 10 years? How do we measure ICCC implementation across cities?
4. ICCC needs to be tightly integrated with GIS and other sub-systems within the City Ecosystem, which is often neglected in DPR / RFP preparation as well as during Implementation
5. Thorough SOPs are required to operationalise the Use Cases to be implemented through ICCC. A detailed Operational Framework is required to make this happen.
6. Based on the experienced gained during the pandemic, what technological optimization and security features we are going to integrate with ICCC ?
7. ICCC Implementation for a city should get leveraged by all the agencies within city like ULB, Electricity Distribution Company, Regional Development Authority, Gas Agency, Police, District Authority wrt Disaster Management, etc. Atleast tight integration with respective systems should be carried out to allow true optimisation in case of emergency / crisis situations.
8. A thorough document enlisting various Use Cases to be implemented by Cities through ICCC is unavailable
9. ICCC Implementation framework should be based on Micro Services architecture. SCM should issue certain advisory around the same

# Question & Answer (Covid Related)



1. Would like to know impact of Covid-19
2. How and when to present new concept for city development in this Covid-19 era
3. What are the lessons we learned from operations of ICCC during pandemic time?

# Question & Answer (Covid Related)



## Data Related

1. issue in integration of data with other line departments since each line dept has its own Data storage server

## Startup and Technology Related

1. What is a process for a start up to work with a system integartor.
2. How we are planning to build trust over technology ?
3. How government will look for new ideas/project during this time

## TULIP

1. academia doesn't support to student for bridging the GAP

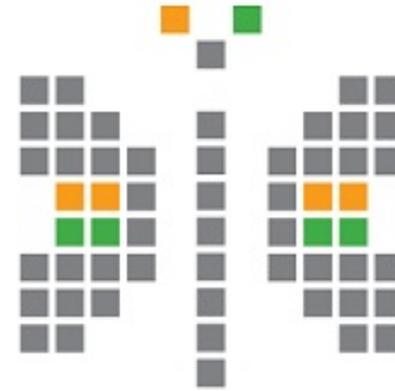
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**Smart City**

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