Citizen Engagement Round 3 - Feedback on Proposal

1. Citizen Engagement Round 1 & 2
   Update and screenshots

2. Road Map and Vision
   Vision

3. Area based development proposal

4. Pan City development proposal

5. Financial Plan
CITIZEN ENGAGEMENT
MEDIUMS TO CONNECT WITH CITIZENS, targets & Extent

WEBSITE: JAIPUR SMART CITY
Gives basic information about the project, possible smart solutions as well as introduction to the engagement plan. Provides link to: Suggestion box, online opinion poll and contacts for any other feedbacks. Visited by more than 3500 citizens.

FACEBOOK: SMART CITY JAIPUR
For the contents of the Facebook page, Jaipur city has taken a step ahead towards bringing awareness among citizen. The page apart from promotional activities also provides regular posts on Best Practises to bring an understanding amount citizens as well as continuous updates on upcoming events. Also all replayed press briefs are being posted on the page. Received 1000 likes with reach of 47000 citizen

TWITTER: JAIPURSMARTCITY@JAIPURSMART
Twitter account follows several. Twits on Jaipur smart city are being followed here by the citizens.

ONLINE OPINION POLLS: ON WWW.JAIPURSMARTCITYCHALLENGE.COM
Polling in 4 steps: understanding citizens’ priority on key issues, their areas of preference, their idea of smartness and how do they see Jaipur as a smart city. More than 500 online polls taken in Round 1

WEBSITE: on WWW.MYGOV.IN
An understanding of MoUD Smart city Challenge 2 and providing links to the website for polling and suggestions. A dedicated Discussion webpage for valuable feedback, online Bloggers competition and Logo competition. 71 suggestions received in Round 1.

GMAIL: JAIPURSMARTCITYSUGGESTIONS@GMAIL.COM
Gmail account has been created for receiving suggestions/competition entries. More than 823 entries received in Round 1.

WHATSAPP:
Post Stakeholders meet, A WhatsApp e-group was created covering key stake holders including Business, Trading, Association, Commerce Chambers, and Govt officials to circulate basic information about the engagement plan, forward related photos/ videos and bring awareness among citizens on the proceedings of the proposal preparation. Association members represents a group of 1500 members.
ROUND 1 & 2 – REACH OUT, UNDERSTAND ISSUES AND PRIORITIES, ESTABLISH JAIPUR CITY VISION

STAKEHOLDER CONSULTATION
GOVERNMENT OFFICIALS
Presented basic information about the project, possible smart solutions as well as introduction to the engagement plan. Open discussion on the possible SMART options and on Area-based development options held.

FACE TO FACE MEETINGS
GOVERNMENT OFFICIALS
Face to face meeting with more than 25 government officials/agencies were held. The purpose was to engage the officials in understanding the proposals in pipeline and their aspirations towards advancement of projects for smart application.

STAKEHOLDER CONSULTATION
WARD COUNCILLORS
91 ward councillors meeting held twice on 28th Sept 2015 where Smart City Project and guidelines were discussed and feedback was taken for potential issues and preferred areas

STAKEHOLDER CONSULTATION
ASSOCIATIONS & ORGANISATIONS
business communities, trading Communities, Royal Family, Heritage conservation activists, Commerce Chambers, Schools, Colleges and Institutions Brief given on project and possible smart solutions. The participants undertook the opinion poll during the presentation, as well as discussed on the area development options arriving to a common opinion.
Number of representations: 65

PRESENTATION
COLLEGES
Project Brief for Jaipur Smart city was shared with around 50 colleges. Presentations were held on SMART city concept and interactive sessions were conducted.

PRESENTATION
SCHOOL FOR DISABLED
Briefing about Smart city project. Remarkable excitement and inquisitiveness from students lead to drawing competition on the vision of ‘Future of Jaipur’
Develop Strategic direction for the city

Citizen Engagement

Conducting SWOT for the city based on City profiling and citizen feedback

City Profiling

Arrive at priorities for the city

Develop Strategic direction for the city

Formulate vision for the city

Arrive at Goals for the City

Finalise Area for Area Based Development

Priority for Pan City Solution

Study Ongoing Govt Programmes, Assess Scope for Convergence and Prepare convergence matrix

Prepare Base Maps

Finalise Essential features of ABD & Pan City Proposal (Sub Projects)

Set Baseline Indicators

Finalisation of Implementation Plan for Each Sub Project

Assess Input requirements/Resourcing requirements (physical/financial/human/Technical)/ Finalise KPIs/Identify Institutional Gaps and assess need for Policy Interventions/Find Outcomes

Establish Cost Base indicators for Sub Projects, and Finalise Financing Plan

Structuring the SPV for the Project
CITIZEN ENGAGEMENT INSIGHTS

- **PROACTIVE ENGAGEMENT WITH WIDE RANGE OF CITIZEN GROUPS**

- **WARD LEVEL INPUTS, BUSINESS COMMUNITIES, TRADING COMMUNITIES, ROYAL FAMILY, HERITAGE CONSERVATION ACTIVISTS, COMMERCE CHAMBERS, SCHOOLS, COLLEGES AND INSTITUTIONS, SLUM DWELLERS AND GENERAL PUBLIC**

- **RECEIVED OVERWHELMING RESPONSE OF OVER 1 LAKH FEEDBACK / SUGGESTIONS FROM DIFFERENT CITIZEN GROUPS, GREAT ENTHUSIASM FROM CITIZENS**

- **SMS POLLING ADOPTED AS ACTIVE MEDIUM OF ENGAGEMENT TO VALIDATE THE INSIGHTS RECEIVED THROUGH VARIOUS MEDIUM TO ARRIVE AT CITY PRIORITIES**

- **FOR STAGE 2 Consultation, Feedback planned through Polling App being newly launched - Text, Image, Video and Desired Actionable Responses**

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**EXTENT OF PARTICIPATION:**

- No. of Face to Face meetings: 25
- No. of Representations in Stakeholder Consultation: 65
- No. of Ward Level Consultations: 75000
- SMS Polling Outreach: 15,00,000
- No. of College Student Participation (Briefs sent to 50 colleges): 15000
- College Lectures and Seminars (10) – Student reach: 4320
- Facebook Reach: More than 45000

Smart City Jaipur
Top 3 Priorities emerging from Consultation

**Strategic Focus for Pan City**
- Transport
- Tourism
- Solid Management

**Strategic Focus for Area Based Development**
- Heritage and tourism
- Transportation
- Sustainable and Smart Civic Infrastructure
“Jaipur Smart City aspires to leverage its heritage and tourism, through innovative and inclusive solutions, to enhance the quality of life.”

Winner: Dhruv Pal Singh, User Id: 1522437
Winning Entry from Logo Competition adopted as Campaign Brand
Partial Walled City with Albert Hall Hall

Approx. Area – approx 706 Acre
(Ward no. 84, 74, 59-part)

User group – Business community, Tourists

The chosen area for area based development is two chowkries of the walled city, i.e. on either side of the axis between Badi Chaupar and Choti Chaupar and extended to include the Albert museum and Ram Niwas Bagh. Further the area is extended to include the entire East West Axis and extended upto the Zurawar Gate.
Area Based Proposal - Transport

- Sustainable mobility with corridors fitted for:
  - Non-Motorised Transport
  - Pedestrianisation
  - Public bike sharing system
  - Universal access (Barrier free)
  - Electric vehicles / IPT (Rickshaws)
  - smart parking and smart signage.
Area Based Proposal - Transport

- Smart mobility with corridors fitted for:
  - Smart Signages for traffic/tourism
  - Intelligent Car /Coach Parking System
  - Smart Auto/Taxi Stands
  - App for IPT
  - Taxis & car pooling App
  - ITS for traffic signal cycles and bus information
Area Based Proposal – Heritage & Tourism

• Heritage and Tourism
  – Adaptive reuse of heritage structures
  – Integrated city pass
  – Smart and green concepts in public areas
  – Smart heritage walk
Area Based Proposal – Heritage & Tourism

- Jaleb Chowk
- Govind Devji Temple
- Old Police HQ
- Old Town Hall
- Talkatora Lake
- Heritage walks
• Heritage and Tourism
  – Talkatora Lake to be desilted, cleaned and along with its precinct. Water show is proposed in the open space.
  – Night market
  – Vending Zone with infra smart infra provision and licensing
Area Based Proposal - Power

- Assured Electricity Supply with 10% of the areas’ energy requirement coming from solar
- Smart street lighting and monuments lighting using Energy efficient sensors
- Underground cabling of OH cables
Area Based Proposal – Eco friendly Cool and Green Corridor

- Aromatic Mist Spray System for cooling of “Barandah” for pedestrians for pleasant ambience
- Additional “Barandahs” and
- Street landscape on corridors
- Thus developing a “Cool & Green” tourist corridor
Area Based Proposal – Water supply and Sanitation

- Efficient Water Management
  - Smart meters with sensors
  - Asset maintenance alerts
  - Automated Online Residual Chlorine Monitoring System

- Waste water recycling and Rain Water Harvesting for Public Buildings

- Sanitation and Solid Waste Management
  - Smart toilets
  - Smart Collection of Solid Waste
  - Citizen Awareness Campaign

- Bins having sensors with alert capability
Area Based Proposal – Others

- Safety of Citizens
  - Video Crime monitoring
  - Incident alerts app
  - Helpline and SOS Mobile number
  - Panic Button

- Air Quality Monitoring with App

- Mobile application enabling citizens to report street problems

- Public Wifi zone in select corridor and monuments
Area Based Proposal – Others

- Information and electronic delivery of city services via smart Kiosk, for:
  - Wayfinding and journey planning
  - Local information
  - Information related to Weather Conditions
  - Payment of Utility Bills
Round 1: Citizen consultation – Pan City Solution

- Jaipur Smart City Website
- Page on MyGov.in
- Dedicated e-mail address
- Focus group discussion with
  - Councilors
  - Key Govt. stakeholders
  - Industry association, NGO etc
  - College students
- Questionnaire surveys at ward level

Traffic and Transport

Solid Waste Management
Snapshot of Public Transport in Jaipur

- **Railways** – 2 railway station (Main & Gandhinagar)
- **Airport** – Operated by AAI at Sanganer
- **Regional bus terminal** – RSRTC Sindhi Camp
- **Metro** operated by Jaipur Metro Rail Corporation (JMRC)
- **City Buses** operated by Jaipur City Transport Services Ltd (JCTSL) and pvt. operators
- **Non-Motorized transport**
  - Pedestrian Infrastructure – Jaipur Development Authority (JDA) / Nagar Nigam Jaipur (NNJ)
Public transport characteristics

Trip share (2014)

- Walk, 28%
- Bicycle, 5%
- Car, 9%
- 2 Wheeler, 24%
- Auto, 5%
- Taxi, 8%
- Public Transport, 21%

Key indicators

- Employment ~ 14.70 lakhs
- Average journey speed 16 kmph (core) 28 kmph (total network)
- Per capita Trip Rate (motorized) 0.68
- Walkability 51% (footpath length / road length)
- Fatality index 71 (fatalities / lakh population)

Source: Updated DPR for Phase 2, 2014, JMRPC
Source: Comprehensive Mobility Plan, 2010.

By 2031 Traffic Characteristics of Jaipur would be: (as per CMP 2010)

- Employment ~ 32 lakhs
- Trip Share of Public Transport - 16%
- Avg. Network speed – 14 kmph
- Per capita Trip rate – 0.85

Decline in percentage share of modal choice for Public Transport

1) Low quality of services of Public Transport - buses
2) Inadequate integration of various modes of Public Transport
Smart Mobility Card

The platform can also be leveraged to offer tourist cards:

- ‘Jaipur Pass’ – combined features of Mobility Card and entry to Tourist Sites

The EMV technology based smart cards are accepted within network of transit operator’s terminals.

Media can be used on network of other payment methods like Visa/MasterCard/RuPay/Amex.

Model is convenient for a commuter as single media in wallet can be used for all payment needs.

Model also aids him to gain loyalty points for usage of cards on transit or non transit network.

Advantages of Open Loop CMC:

- Wider acceptance of card for end user at multiple merchants for transactions
- No KYC for on boarding customers
- ZERO Capex Investment for Transit Operators
- Addition revenue for Transit Operators - Fixed loyalty, Revenue share on non transport transactions
- Open Data Format Standards
The objective of this module is to facilitate access to public transport by providing reliable information:

- Location information
- Real-time and mode-specific arrival and departure schedules
- Clear, coherent schedules and network maps
- Information inside vehicles, especially on opportunities for interchanges
- Information to enable calculation of time and mode of journey

Target groups:
- City dwellers
- Visitors
- Tourist
Solid Waste Management in Jaipur

SOLID WASTE MANAGEMENT

Waste Generation

Solid waste handling & storage at source

Solid waste collection from source

Transfer to central storage facility

Waste processing facility

Scientific disposal

Segregation & Disposal

Low service levels in terms of Collection & grievance redressal
Addressed by the city through implementing door to door collection on PPP
## Pan city solution – Solid waste management

<table>
<thead>
<tr>
<th>Modules</th>
<th>Features</th>
<th>Convergence</th>
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<tbody>
<tr>
<td>Route optimization, Fleet &amp; Depot management, SLA monitoring</td>
<td>► Vehicle tracking system (VTS) &lt;br&gt;► Fleet management &lt;br&gt;► People management / attendance monitoring &lt;br&gt;► Route optimization / Service scheduling &lt;br&gt;► Monitoring of Door to Door collection &lt;br&gt;► Integration of weather data &lt;br&gt;► Vehicle maintenance module &lt;br&gt;► Bin monitoring &lt;br&gt;► Multiple touch points for complaints registration &amp; redressal</td>
<td>► Nagar Nigam already implemented VTS &lt;br&gt;► Nagar Nigam in process of implementing city wide Door to Door collection system</td>
</tr>
<tr>
<td>Registrations of recyclers</td>
<td>► Registration / data module for recyclers and rag pickers &lt;br&gt;► Hand held devices / central module for recyclers for promoting waste segregation</td>
<td></td>
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</tbody>
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**Primary objective**
- **Operational level**
- **Waste generation / Household level**
## Funding

<table>
<thead>
<tr>
<th>Component</th>
<th>Total Project Cost</th>
<th>GoI + GoR Smart City Grant</th>
<th>PPP In Rs Cr</th>
<th>Convergence</th>
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<tr>
<td>1 Area Based Dev. (Walled City)</td>
<td>1222.10</td>
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<tr>
<td>2 Pan City 1 Smart multi-modal mobility</td>
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Thank – You!