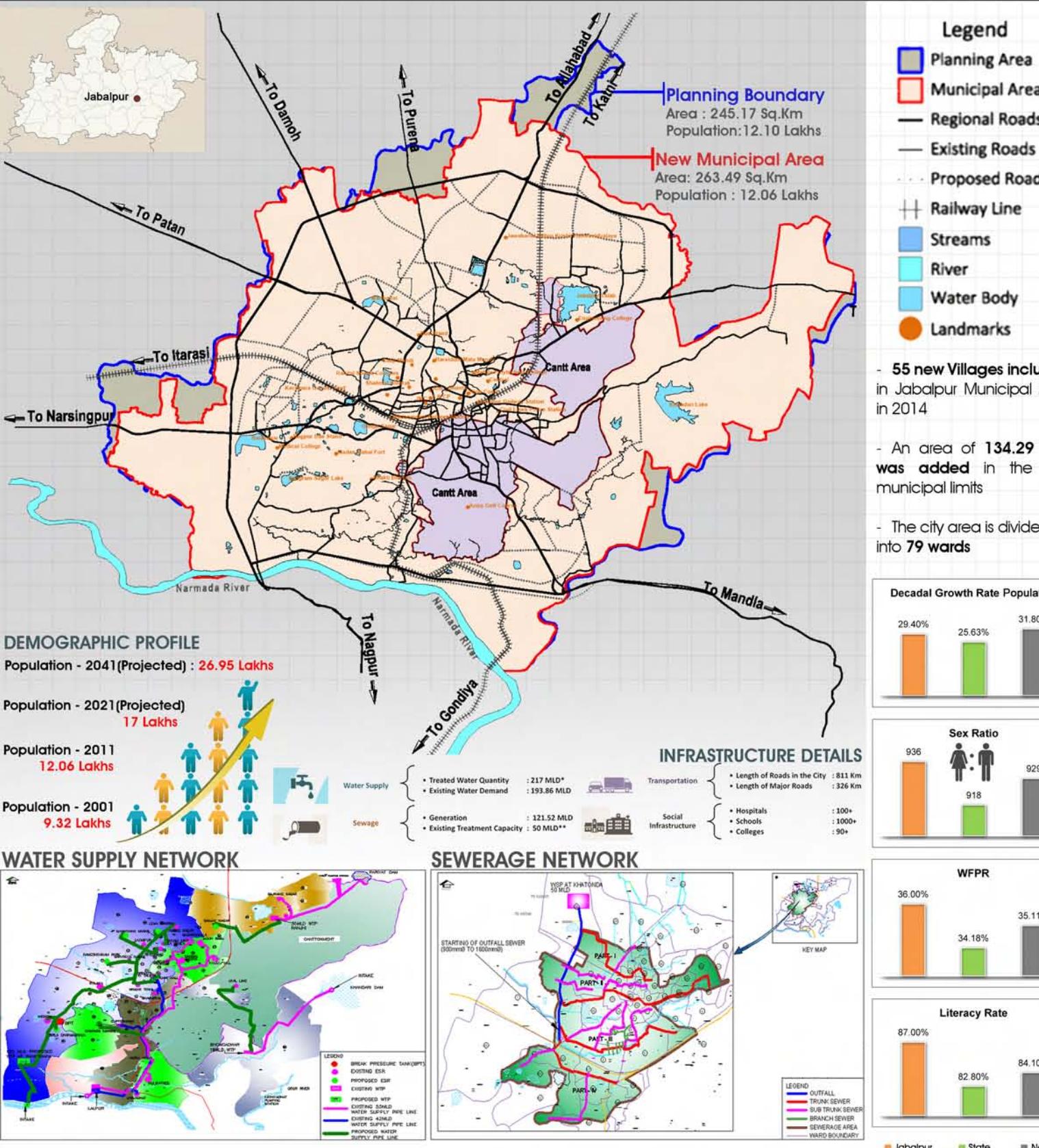
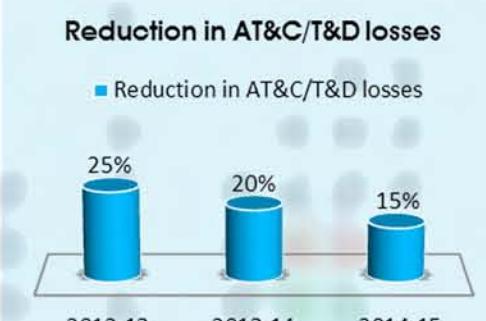
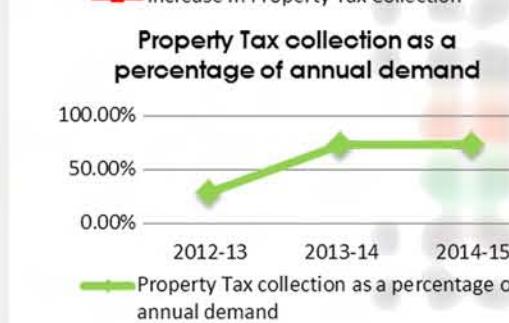
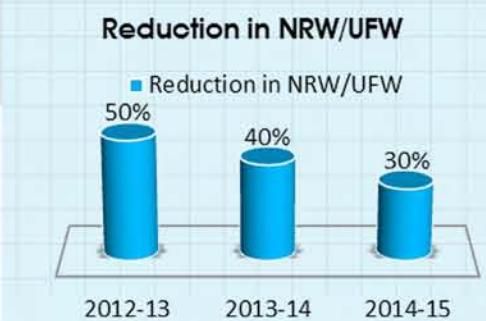
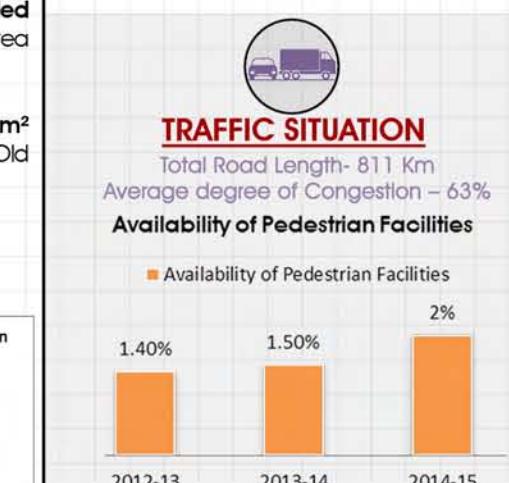
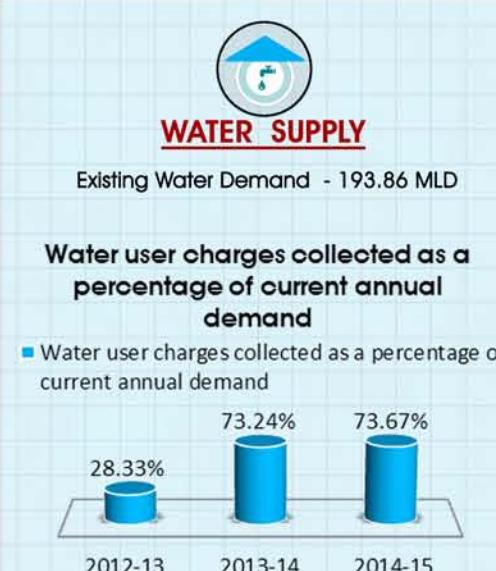
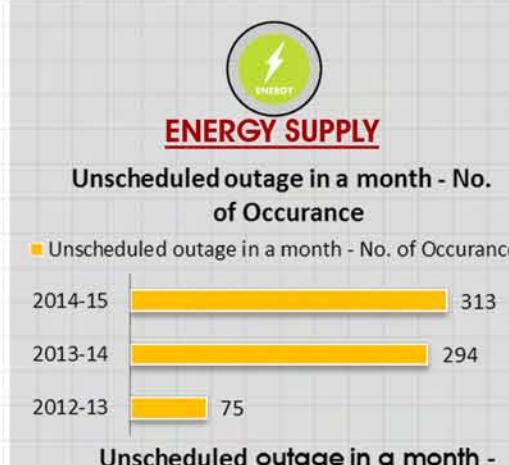
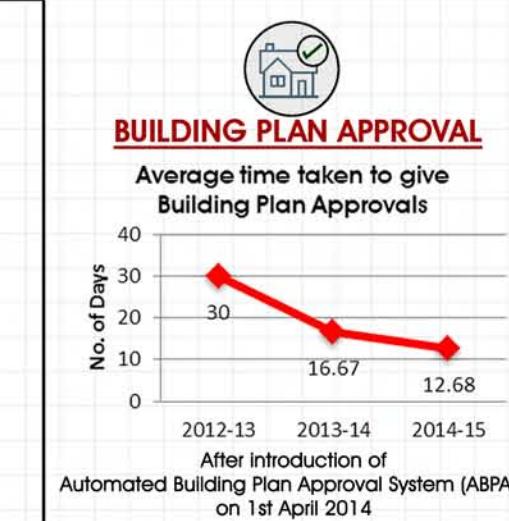


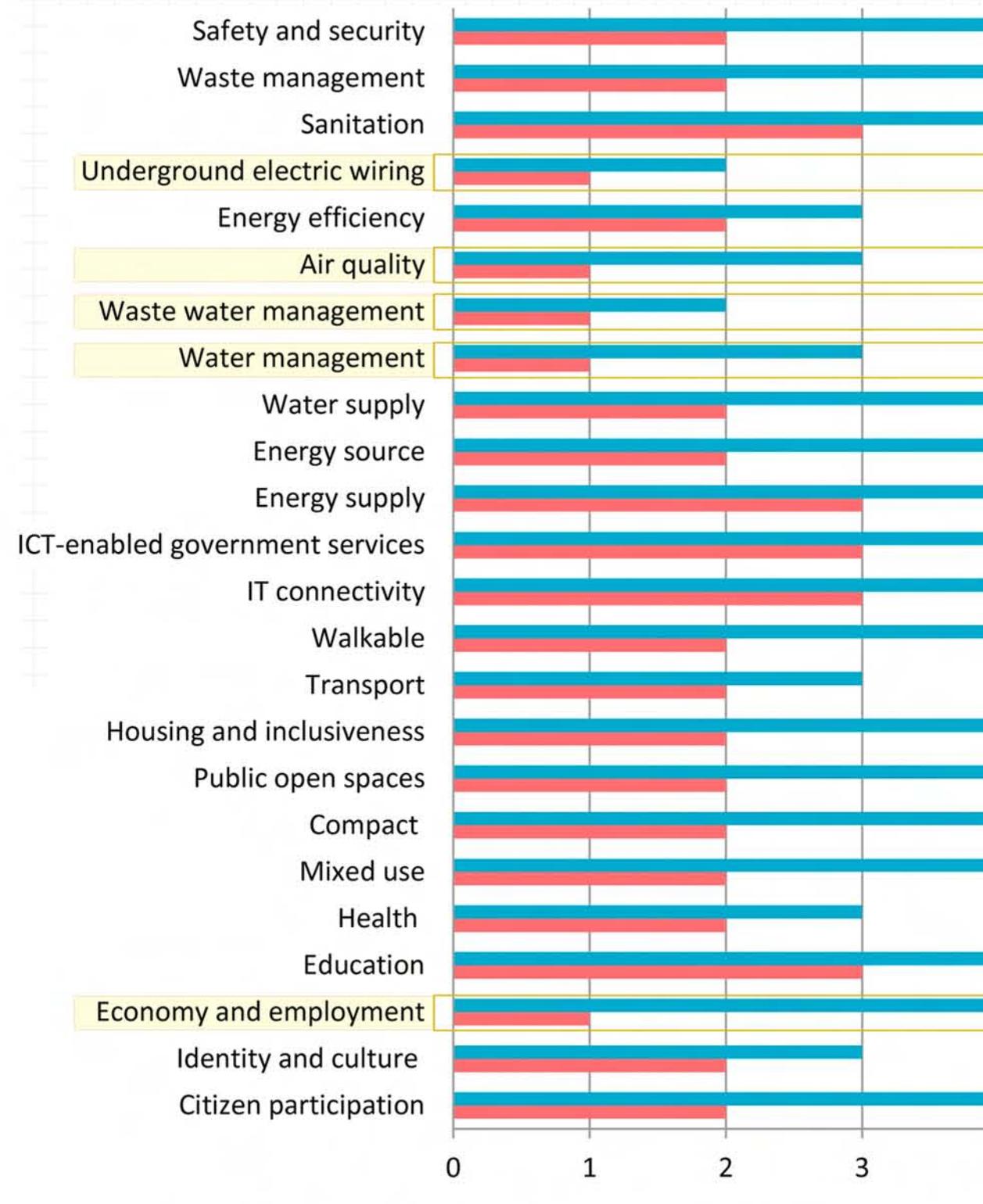
## 1.1 CITY PROFILE



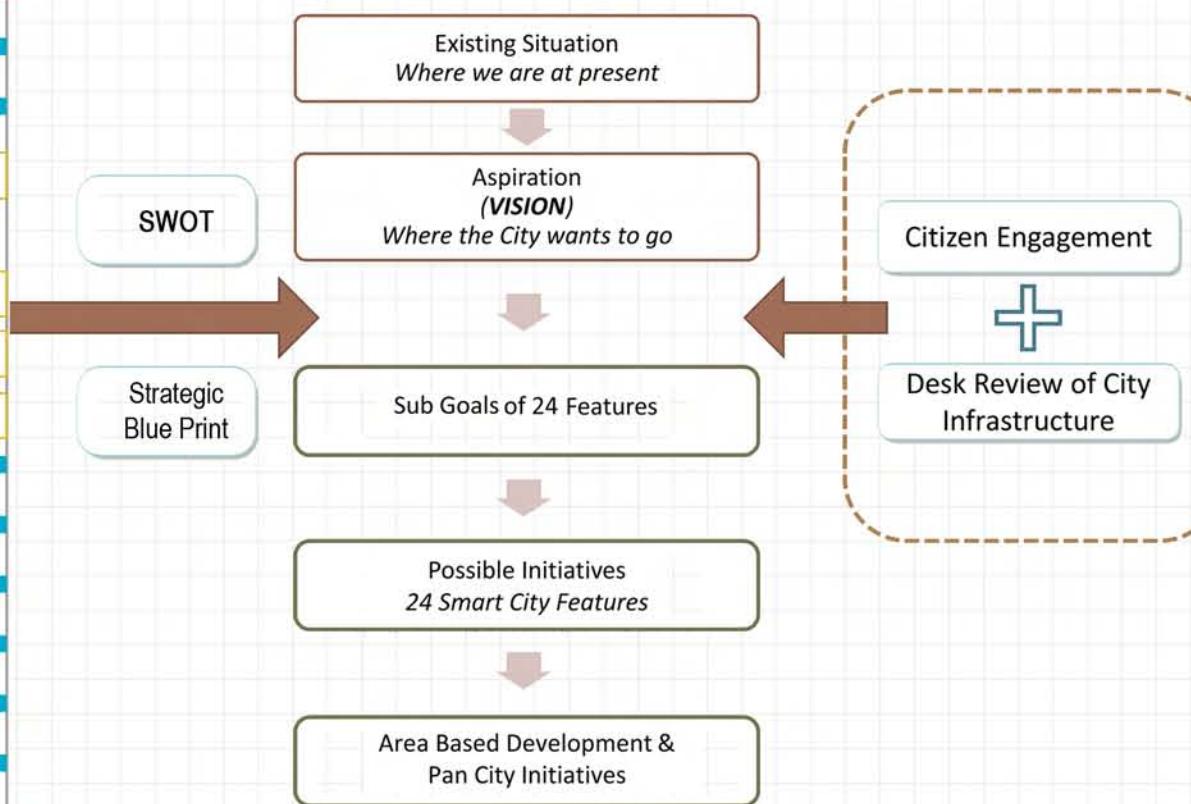
## 1.2 KEY PERFORMANCE INDICATORS



## 2.1 CITY LEVEL SELF ASSESSMENT & PRIORITY AREA



## 2.2 CITY LEVEL STRATEGY



## 2.3 VISION

**“Transforming Jabalpur into a vibrant regional economic and cultural hub through inclusive urban regeneration, to act as a magnet for investment and new opportunities for the youth”**

## 2.4 GOALS

- ☒ To develop Jabalpur as a regional economic growth center with impetus and opportunities for innovation in economic development of the city by creating adequate job opportunities for all.
- ☒ Explore initiatives for up gradation and expansion of existing local businesses.
- ☒ To improve the environment of the city with an emphasis on drainage and sanitation, and in the long term, to make Jabalpur as one of the cleanest, greenest, and healthiest city.
- ☒ To protect and preserve water bodies, develop their catchment area so as to have clean water. The water bodies will act as nucleus of ground water harvesting, recreation center and environment mile stone.
- ☒ To make places livable where transportation, housing and commercial development investments are coordinated so that people have access to adequate, affordable and environmentally sustainable travel options.
- ☒ Adoption of smart solutions for efficient use of available assets and enhance the quality of urban life for more vibrant and livable city.

Response to Q.No. : 6

### CITIZEN ENGAGEMENT PROCESS

**Round 1**  
• Engaging and Seeking Aspirations  
15th Sept. - 25th Oct.

**Round 2**  
• Discuss Proposal  
26th Oct. - 15th Nov.

**Round 3**  
• Final Proposal  
16th Nov. - 30th Nov.

**2,56,300**  
**TOTAL OUTREACH**  
20 %  
OF CITY POPULATION

# संवाद

My Gov Activities

Social Media

Website/ Email

Online Suggestion Forms

Whatsapp

Offline Consultations

Events and Activities to create a buzz about smart city

Focus Group Discussions

Face to Face Consultations

Suggestions/ Feedback form

Written Submission

**ONLINE**

**85,912**

**OFFLINE**

**1. SENSITIZATION EVENTS**

**ROUND I & II**

15054

Do  
Essay Competition - 235

156

Discuss  
58,654

www.l 22114

Poll  
on ABD

2250

Blog  
571

421

Talk  
7



**OFFLINE**

**ROUND I & II 1,56,838**

Forms-Round 1 95768

Forms-Round2 35625

Manuscripts (by Post or Drop box) 442

Focus Group Discussion 6758

Events 15000

Toll Free Number 3245





**Male** - 51%

**Female** - 49%

Genderwise Participation



# संवाद

## MEDIA COVERAGE

**500+** Articles covered in Newspapers

**CityLine**

JMC welcomes ideas to develop Jabalpur as Smart City in 'Samvad'

B. Staff Reporter



TheHitavada  
JABALPUR ■ Monday ■ October 12 ■ 2015

City Line 2/10/15  
Mayor seeks suggestions from mediapersons on Smart City during meet

Godsole called  
out editors of *City Line*  
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to make Jabalpur city  
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To make Jabalpur city  
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should focus on all important aspects  
pertaining to development.

A suggestion pertaining to  
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plan was given, besides  
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City and Municipal  
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It was suggested that  
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A suggestion was also  
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(Contd on page 4)

## OFFLINE 3. PROMOTIONAL ACTIVITIES



## 4. ANALYSIS & OUTCOMES



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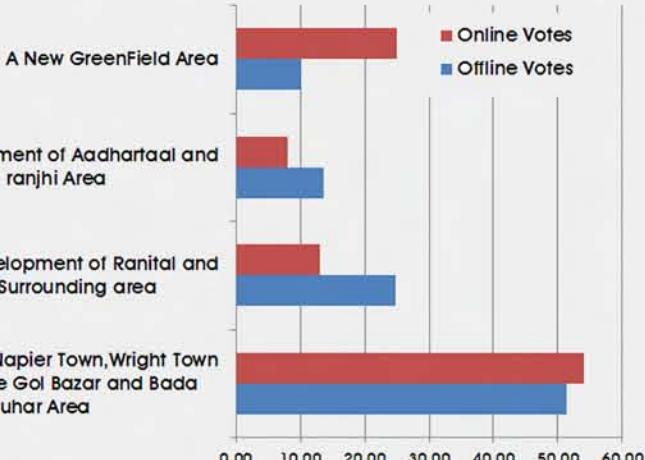
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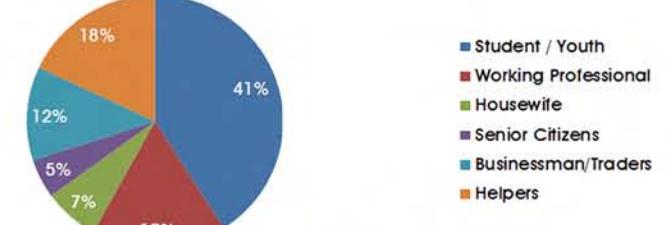
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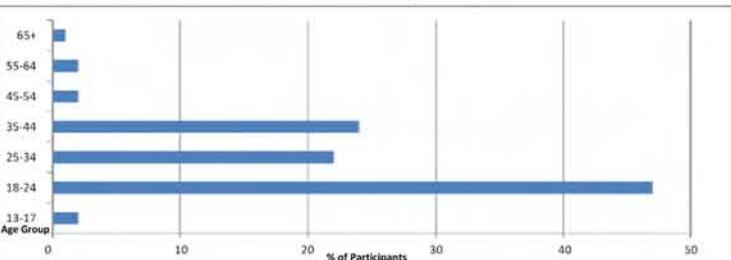
## VOTING ON ABD



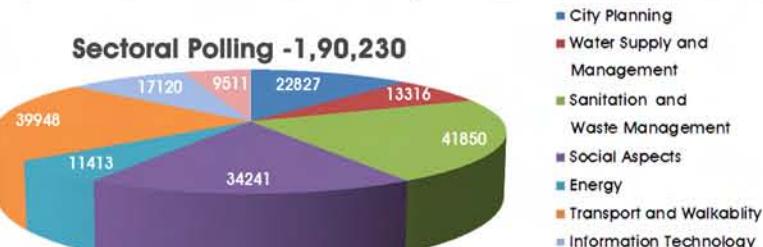
### Profession wise participation



### Age group wise participation



### Sectoral Polling - 1,90,230



Collection of Forms from Door-to-door basis, apart from On-line forms, to make face-to-face interaction with the Citizen and ensure their participation & understanding



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# AREA BASED DEVELOPMENT PROPOSAL



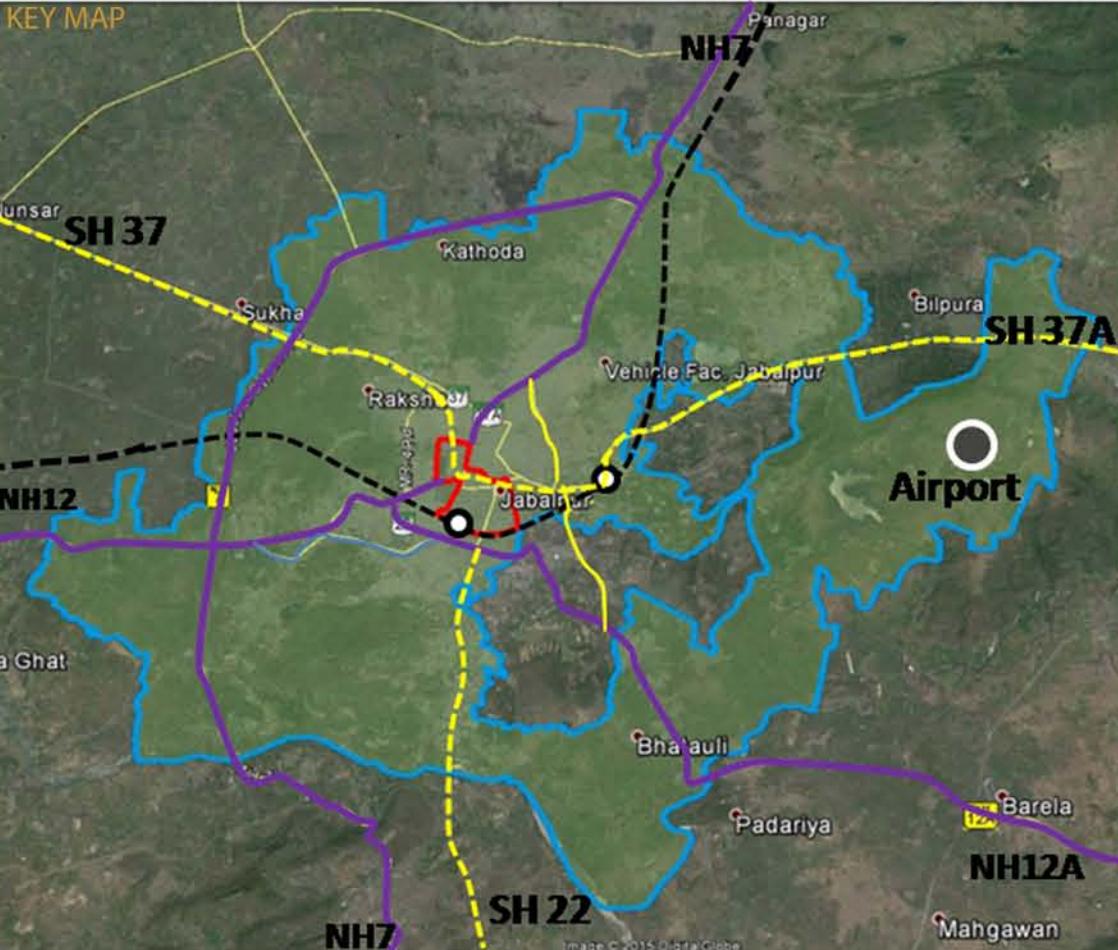
Smart City  
Jabalpur Development Authority

Annexure - 03

Appendix - 05

## SECTION B - ABD PROPOSAL SHEET - 1

### 5.1 LOCATION



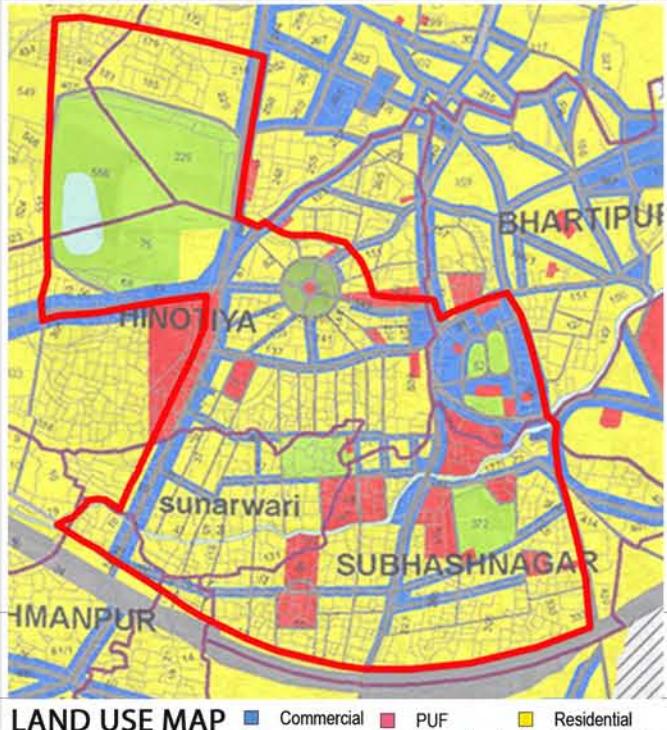
#### Details of Selected Area

No. of Wards: 06 (Partly)  
No. of Educational institutes: 22  
No. of Health Facilities: 08  
No. of Properties: 4773  
Stadiums: 02

Other Facilities Includes: Theatres (03), Auditorium (02), Police Station (01), Police Posts (04), City Bus Stand, Old Age Home, Museum, JMC Office

#### Slum Area Details

No. of Slums: 12  
Slum Households : 2392 (3.29% of Total City Slum HHs)  
Slum Population: 9200 (3.43% of Total Slum Population)



### SELECTED AREA FOR ABD NAPIER TOWN, WRIGHT TOWN AND RANITAL

Area : 743.8 acres

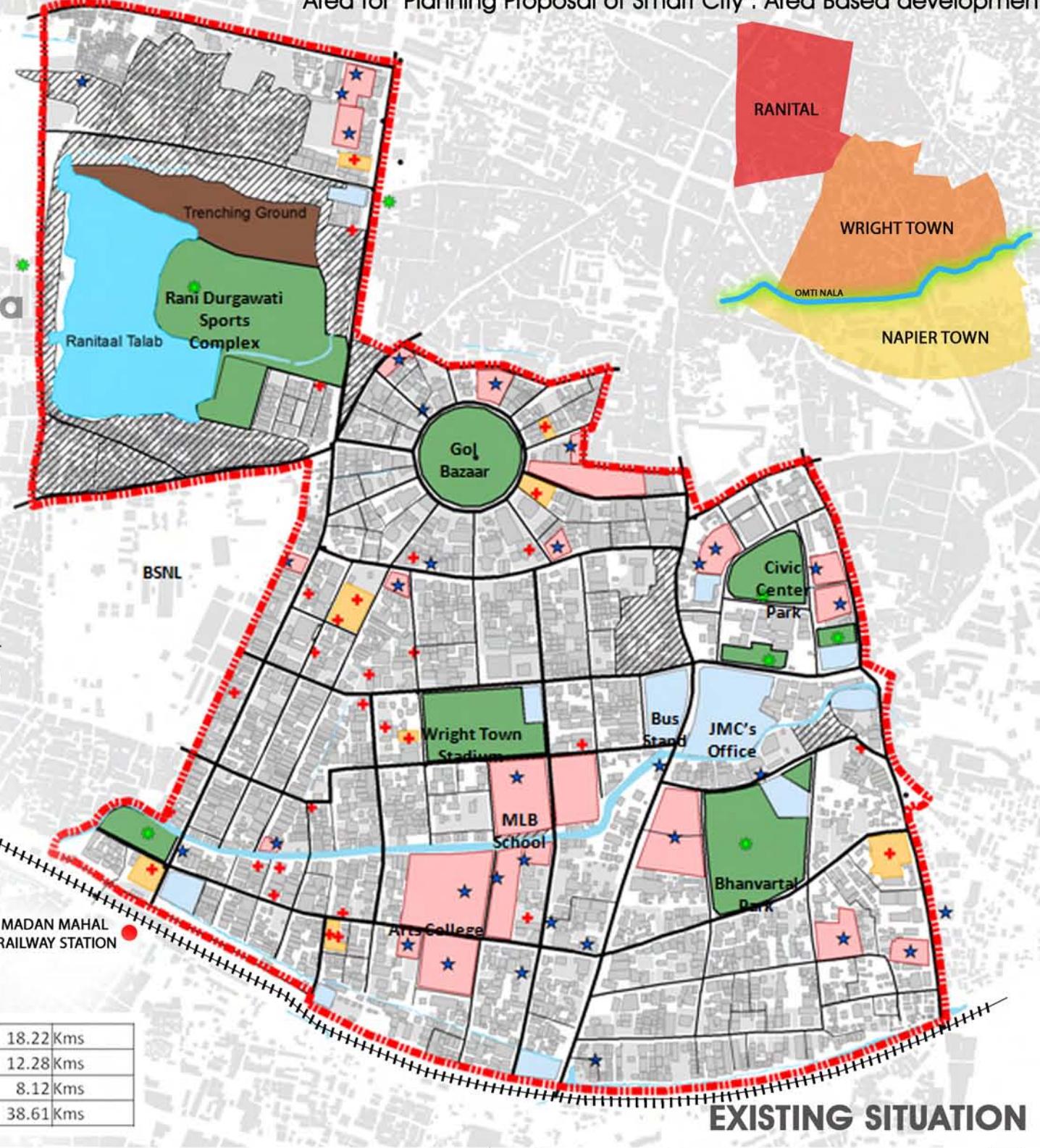
Population : 41,059

- Slums
- Recreational Spaces
- Education
- Health

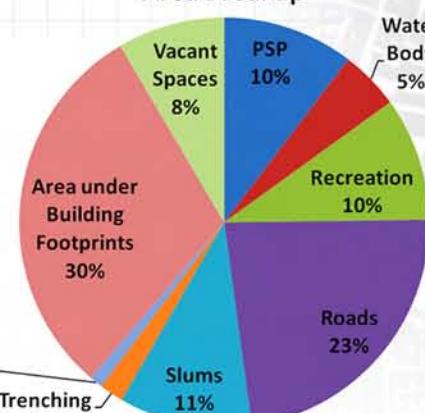
Contiguous Land Parcel	Cater 24 features	Replicable	Hub to Spoke	Doable	Financially Viable	Acceptable
------------------------	-------------------	------------	--------------	--------	--------------------	------------

Contiguous Land Parcel	Cater 24 features	Replicable	Hub to Spoke	Doable	Financially Viable	Acceptable
------------------------	-------------------	------------	--------------	--------	--------------------	------------

Area for Planning Proposal of Smart City : Area Based development



#### Area Breakup



#### Road Heirarchy

Road Length under Primary Roads	18.22 Kms
Road Length under Secondary Roads	12.28 Kms
Road Length under Tertiary Roads	8.12 Kms
Total Road Length	38.61 Kms

# AREA BASED DEVELOPMENT PROPOSAL



Smart City  
Jabalpur India

## AREA BASED DEVELOPMENT PROPOSAL

Total ABD Area: 743.80 Acres

Area Identified for Redevelopment : 207.14 Acres

### KEY COMPONENTS AND ACTIVITIES

#### Economy & Employment

- A1- Development of Skill Development Centers (SDC) & Incubation Centers
- A2- Transforming Civic Centre, Gol Bazar and informal markets
- A3- Convention and Exhibition Centre (C&EC)

#### Mixed Use & Compactness

- A4- TOD around Madan Mahal & major roads

#### Housing & Inclusiveness (Redevelopment of Public land)

- A5- Redevelopment of slums
- A6- Mixed Income, High Density redevelopment

#### Underground Utility Duct

- A7- UG Utility Ducting & Shifting of utilities

#### Water Supply

- A8- 24X7 Water Supply (Dual piping network, ESRs for potable & non-potable water storage) & reuse of recycled water

#### Water Management

- A9- SCADA System
- A10- Smart Consumer Metering
- A11- Water Quality Monitoring System Sanitation
- A12- Public Toilets

#### Waste Water Management

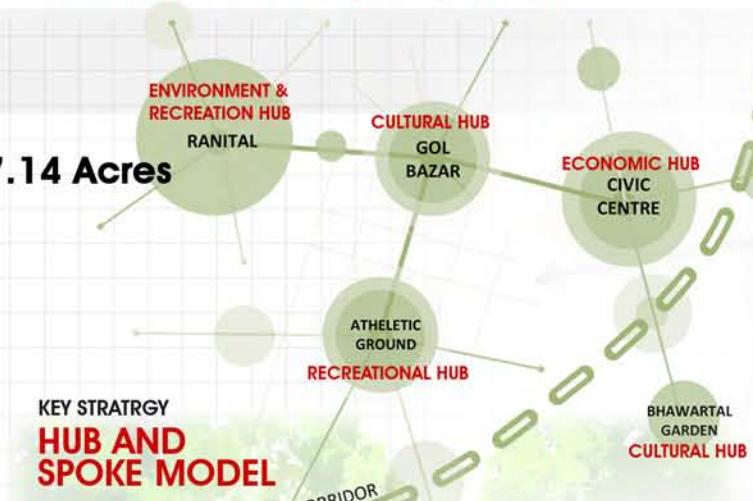
- A13- Sewerage Network
- Dw A14- (DEWATS)
- A15- UG Storm Water Drainage Network
- A16- Rain Water Harvesting

#### Health & Education

- A17- Smart classroom with Wi-fi facility
- A18- Emergency Response System for vulnerable

#### Identity & Culture

- A19- Rejuvenation of Ranital tank
- A20- Cultural Art Alley



#### Open Spaces & Air Quality

- A21- Landscaping around Ranital Tank
- A22- Improvement of other parks
- A23- Up gradation of Stadiums
- A24- Air Quality Monitoring Sensors

#### Energy Supply, Source & Efficiency

- A25- Smart Power Sub Stations and Smart Distribution Network
- A26- Smart Consumer Meter (Image)
- A27- Solar Panels on Redevelopment areas/buildings, Street lights, Public Buildings.
- A28- Energy efficient & Green Buildings in the redevelopment area
- A29- Implementing Net Metering Policy

#### Transportation and Walkability

- A30- Improvement of Roads, Vehicular Intersections and Pedestrian Crossing
- A31- Intelligent Traffic Management System
- A32- Smart Parking
- A33- Smart Bus Stops
- A34- Green Corridor and Pedestrianisation of Civic Center
- A35- E-Rickshaw as NMT

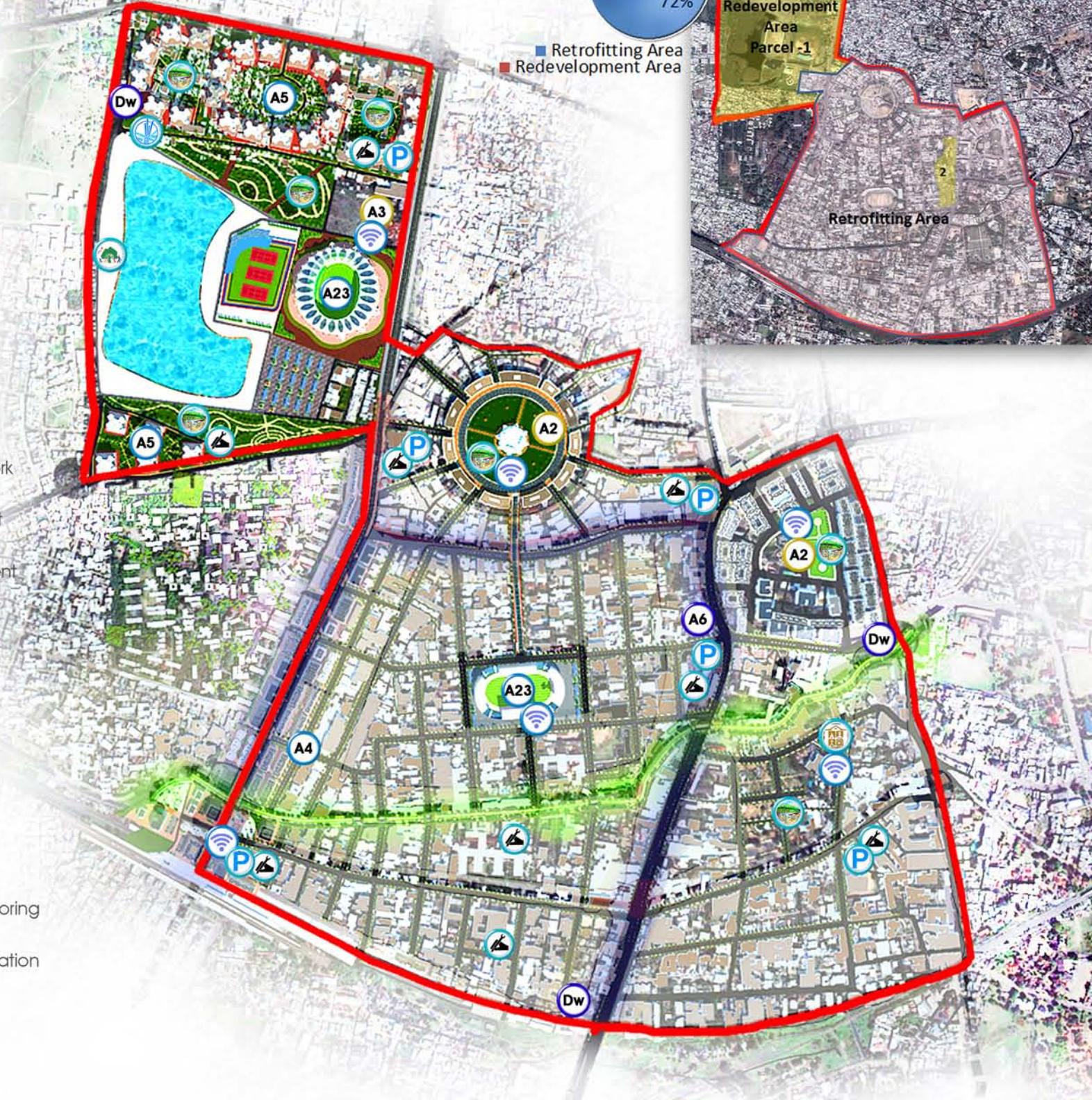
#### IT Connectivity & Intelligent Government Services

- A36- Public WI-Fi Hot Spots
- A37- GIS Mapping of the Area, its management and monitoring
- A38-Digitalization of governance and citizen services
- A39- Area Command and Control center and public facilitation center

#### Safety and Security

- A40- Sensor enabled LED Lighting System
- A41- Multi use CCTV Cameras
- A42- Unified Pole with solar powered LED lighting, VMS, PA, Variable sensors etc
- A43- Fire Hydrant System
- A44- Disaster Management and Mitigation Center

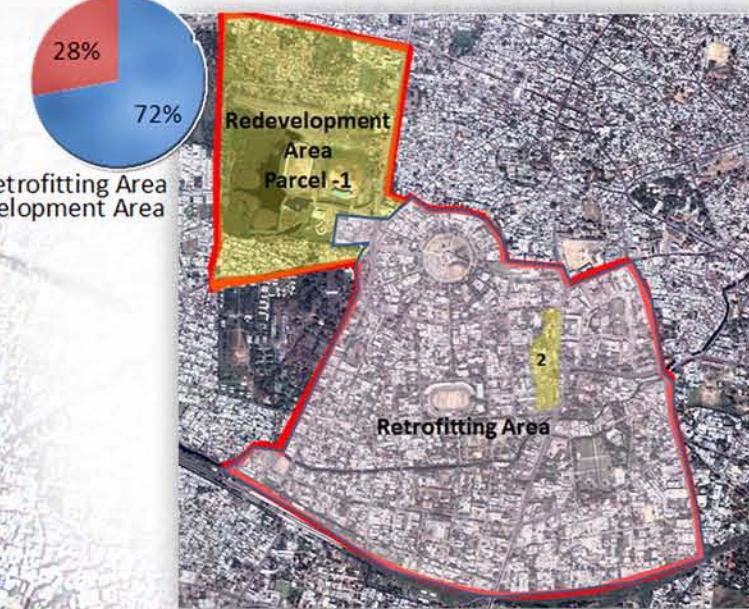
## RETROFITTING CUM REDEVELOPMENT MODEL PROPOSAL MASTER PLAN



Annexure - 03

Appendix - 06

## SECTION B - ABD PROPOSAL SHEET -2

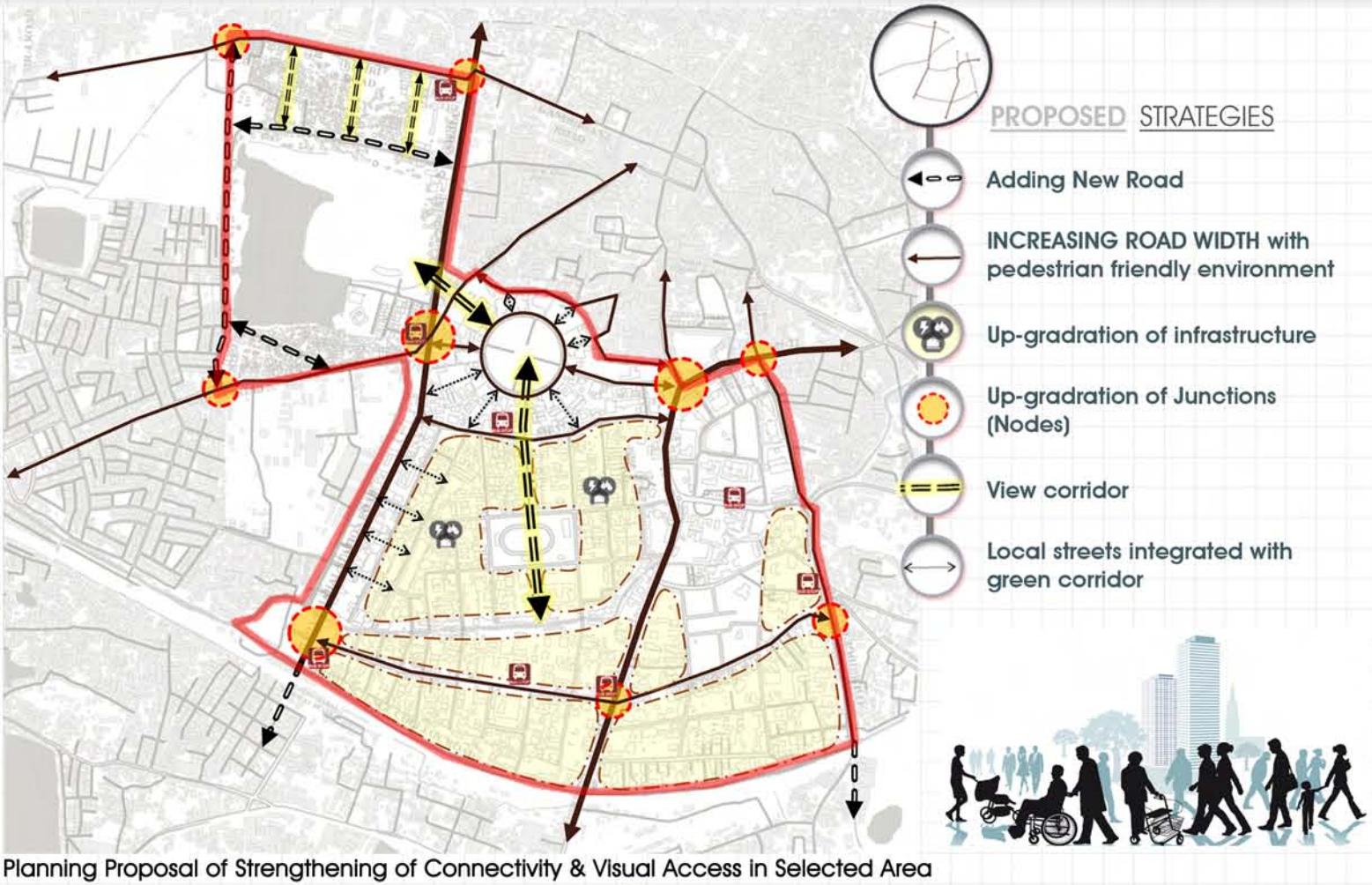


# STRENGTHENING OF CONNECTIVITY & VISUAL ACCESS

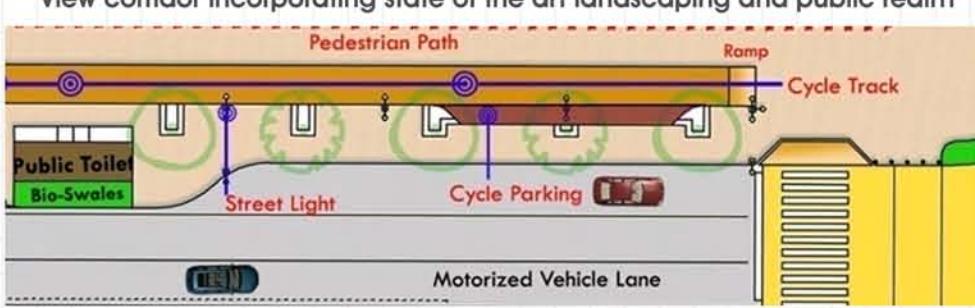
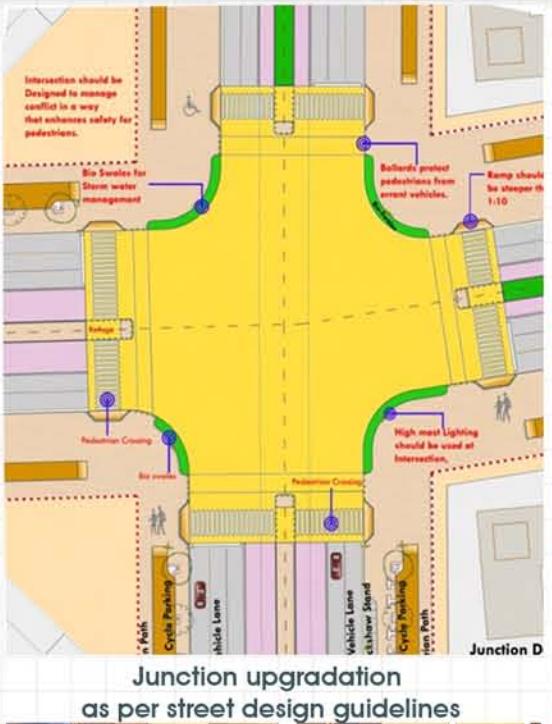
## ESSENTIAL FEATURES ADDRESSED

Pedestrian pathways, NMT, Energy efficient street lighting, Visible improvement in area

Response to Q.No. : 9, 12



Planning Proposal of Strengthening of Connectivity & Visual Access in Selected Area



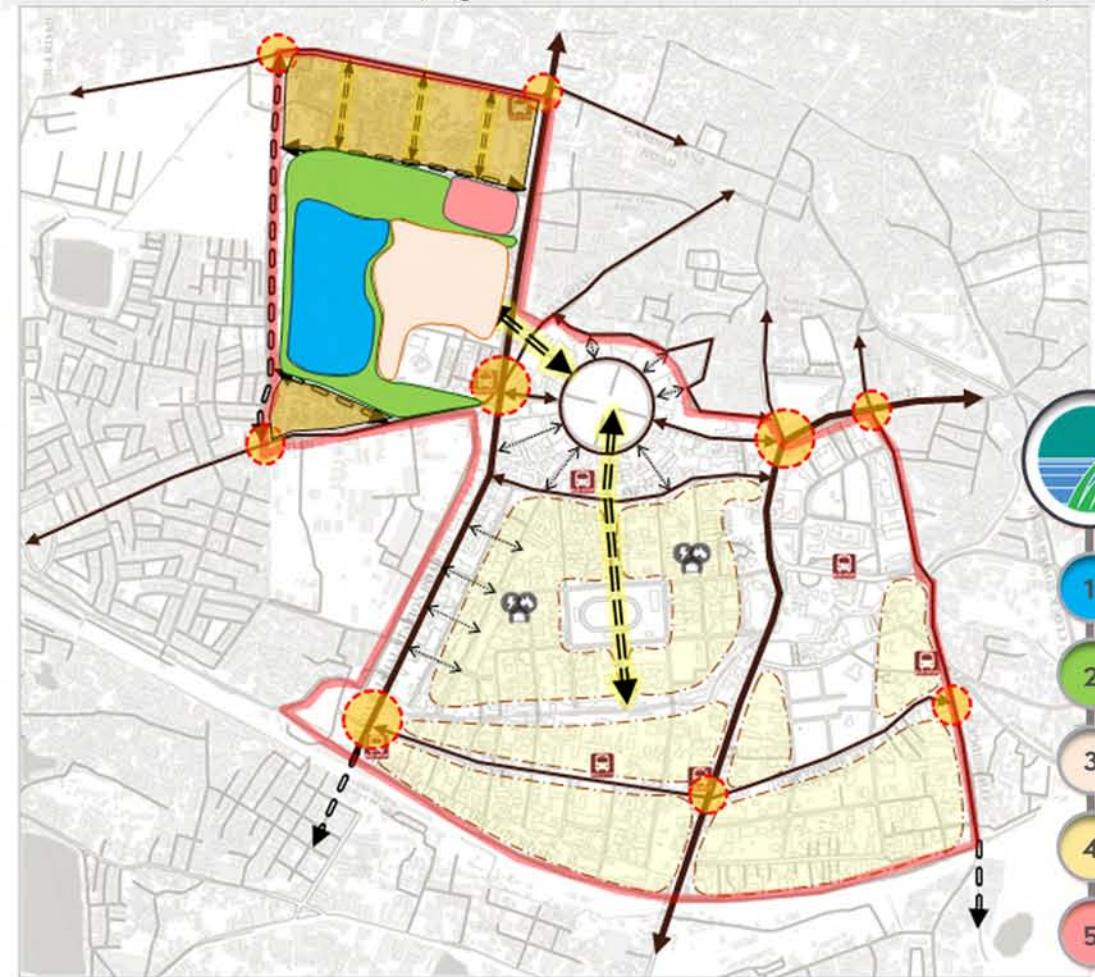
## transformations..



# REVITALIZING RANITAL LAKE & SURROUNDINGS

## ESSENTIAL FEATURES ADDRESSED

Pedestrian pathways, energy efficient street lighting, visible improvement in area, waste water recycling & storm water reuse, RWH, innovative use of openspaces



### EXISTING CONDITION

- Degraded living conditions
- Poor network
- Untreated sewage disposal in lake
- Degraded living conditions
- Vacant land turned into dumping ground
- Under utilized sports facilities
- Lack of green spaces

### PROPOSED STRATEGIES

- 1** Restoration of Ranital lake
- 2** Lake Front development with universally accessible landscaped gardens & recreation spaces
- 3** Sports cluster with State of the art sports facilities
- 4** Mixed Use Residential High Rise Development : Slum redevelopment & infrastructure upgradation
- 5** Convention Center

transformations..



## RESTORATION OF RANITAL LAKE & LAKE FRONT DEVELOPMENT



1 Restoration of Ranital lake



# REVITALIZING RANITAL LAKE & SURROUNDINGS

## ESSENTIAL FEATURES ADDRESSED

Visible improvement in area, Green buildings, 10% solar energy, Affordable Housing, Innovative use of open spaces



### PROPOSED STRATEGIES

#### 1 Restoration of Ranital lake



Lake Front development with universally accessible landscaped gardens & recreation spaces

**Sports Cluster** with State of the art sports facilities

**Mixed Use High Rise Development :**  
Slum redevelopment & infrastructure upgradation

Convention Center

## transformations..

### AFTER IMPLEMENTATION



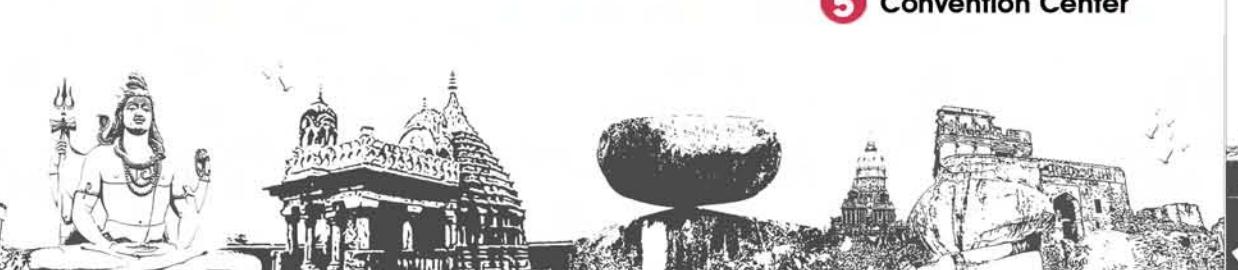
④ **Mixed Use High Rise Development :** Slum redevelopment & infrastructure upgradation



⑤ **Convention Center**



③ **Sports Cluster with State of the art sports facilities**



# STRENGTHNING OF GREEN STRINGS & OPEN SPACES

## ESSENTIAL FEATURES ADDRESSED

Pedestrian pathways, encouragement to NMT, innovative use of open spaces



## TOWARDS ACCESSIBLE FUTURE

### PROPOSED STRATEGIES

- Green NMT corridor
- Shaded walkways
- Pedestrian friendly intersections
- Local streets integrated with green corridor
- Up gradation of existing green open spaces and sports facility



DEVELOPMENT OF GREEN NMT CORRIDOR

## STRENGTHNING OF GREEN STRINGS : LINKING GREEN OPEN SPACES THROUGH PEDESTRIAN AND NMT CORRIDORS



integrated with street design Guidelines and traffic calming measures



Corridors designed with state of the art facilities with universal accessibility and integrated with the transitional activity zones

## THE GREEN NON MOTOR TRAFFIC CORRIDOR



## transformations..

Planning Proposal of Strengthening of Green Corridors in Selected Area



JABALPUR MUNICIPAL CORPORATION

Consultants  
MEHTA AND ASSOCIATES , INDORE

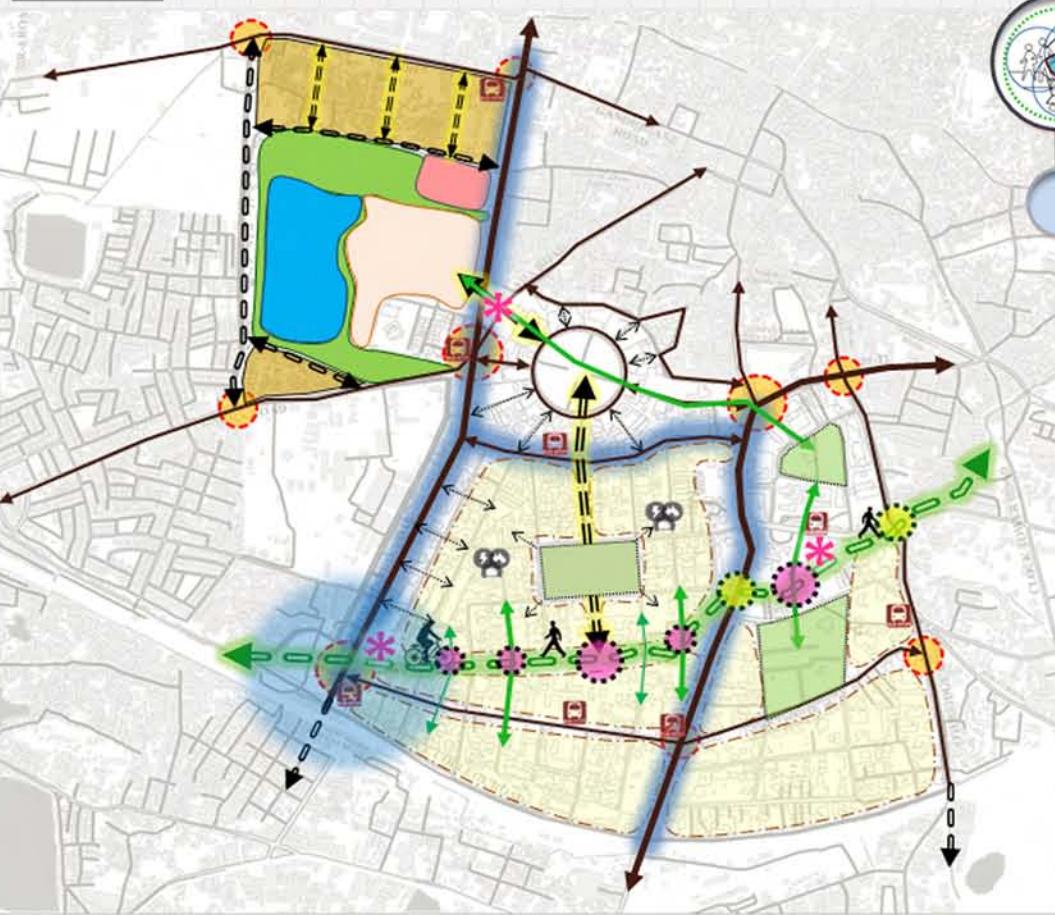
**SMART CITY JABALPUR**  
MISSION

# TRANSIT ORIENTED DEVELOPMENT

## ESSENTIAL FEATURES ADDRESSED

Pedestrian pathways, NMT, Smart parking, Visible improvement in area

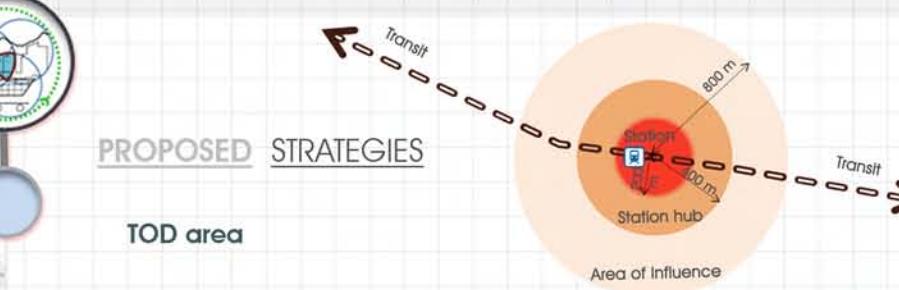
Response to Q.No. : 9, 12



MIXED-USE, COMPACT, HIGH DENSITY DEVELOPMENT



EXISTING CONDITION



*transformations..*

Development around Madan-Mahal station and axis leading to Gol bazaar based on ToD principles

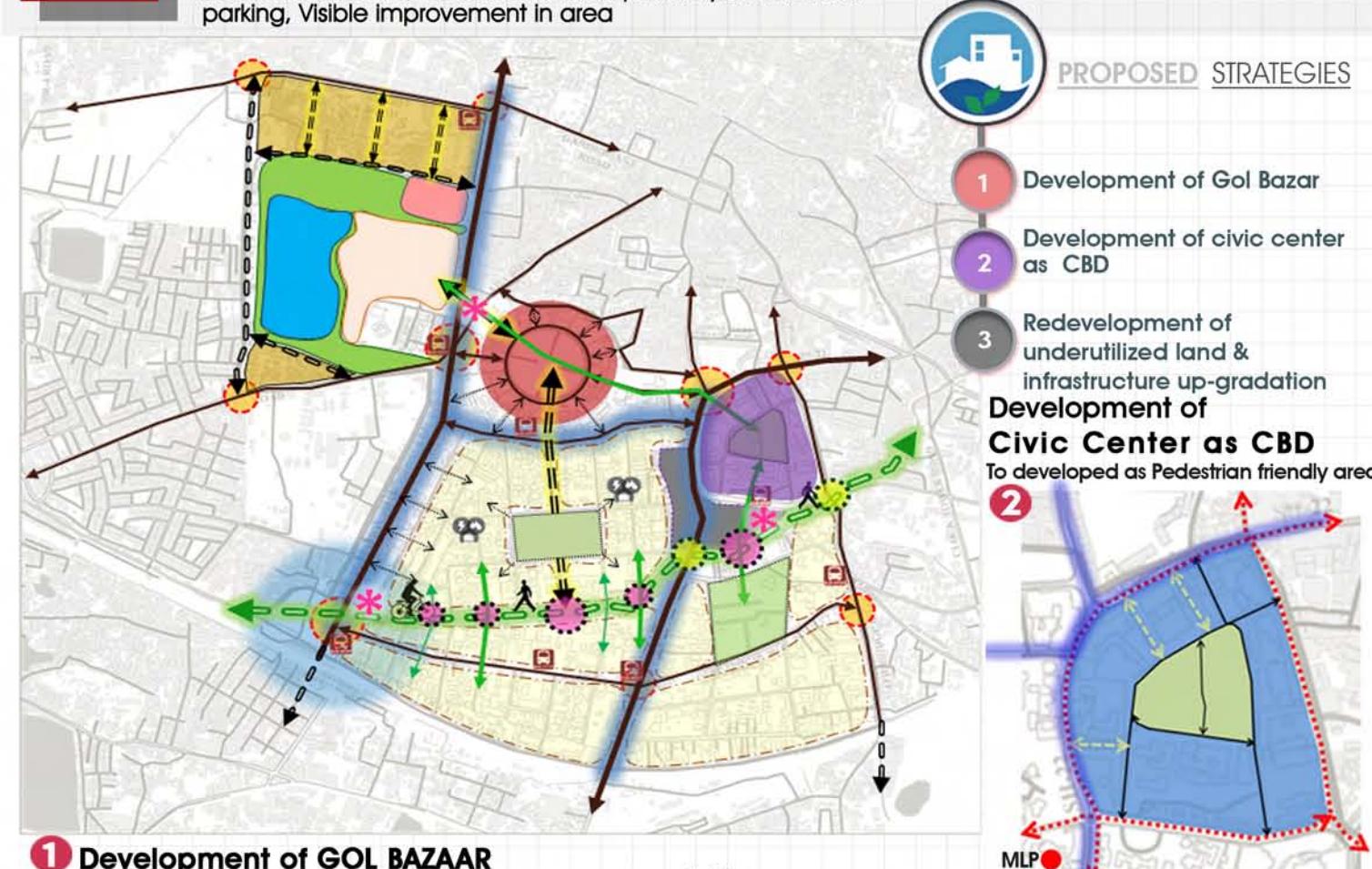


# ECONOMIC ACTIVITY GENERATION CATALYSTS

## ESSENTIAL FEATURES ADDRESSED

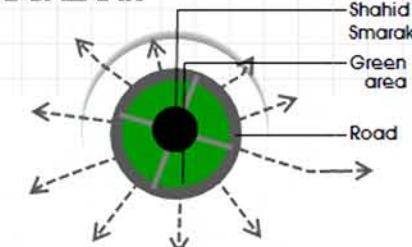
No vehical streets / zones, Pedestrian pathways, NMT, Smart parking, Visible improvement in area

Response to Q.No. : 9, 12



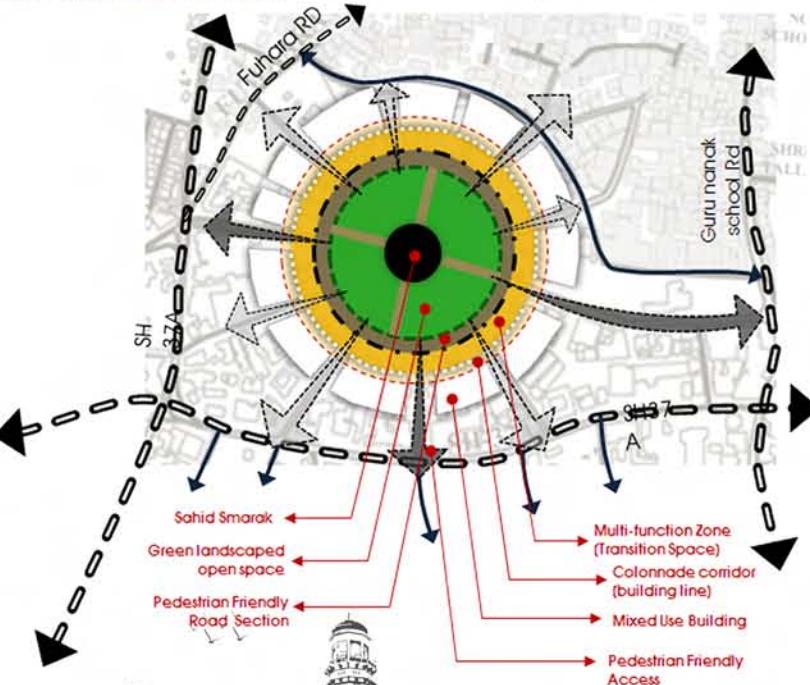
### 1 Development of GOL BAZAAR

#### EXISTING SITUATION



**transformations..**

#### AFTER IMPLEMENTATION



1



**Transformation of GOL BAZAAR AND CIVIC CENTER**  
for Promotion of Tribal Handicrafts will give a boost to economy of tribal and will also increase TOURISM .

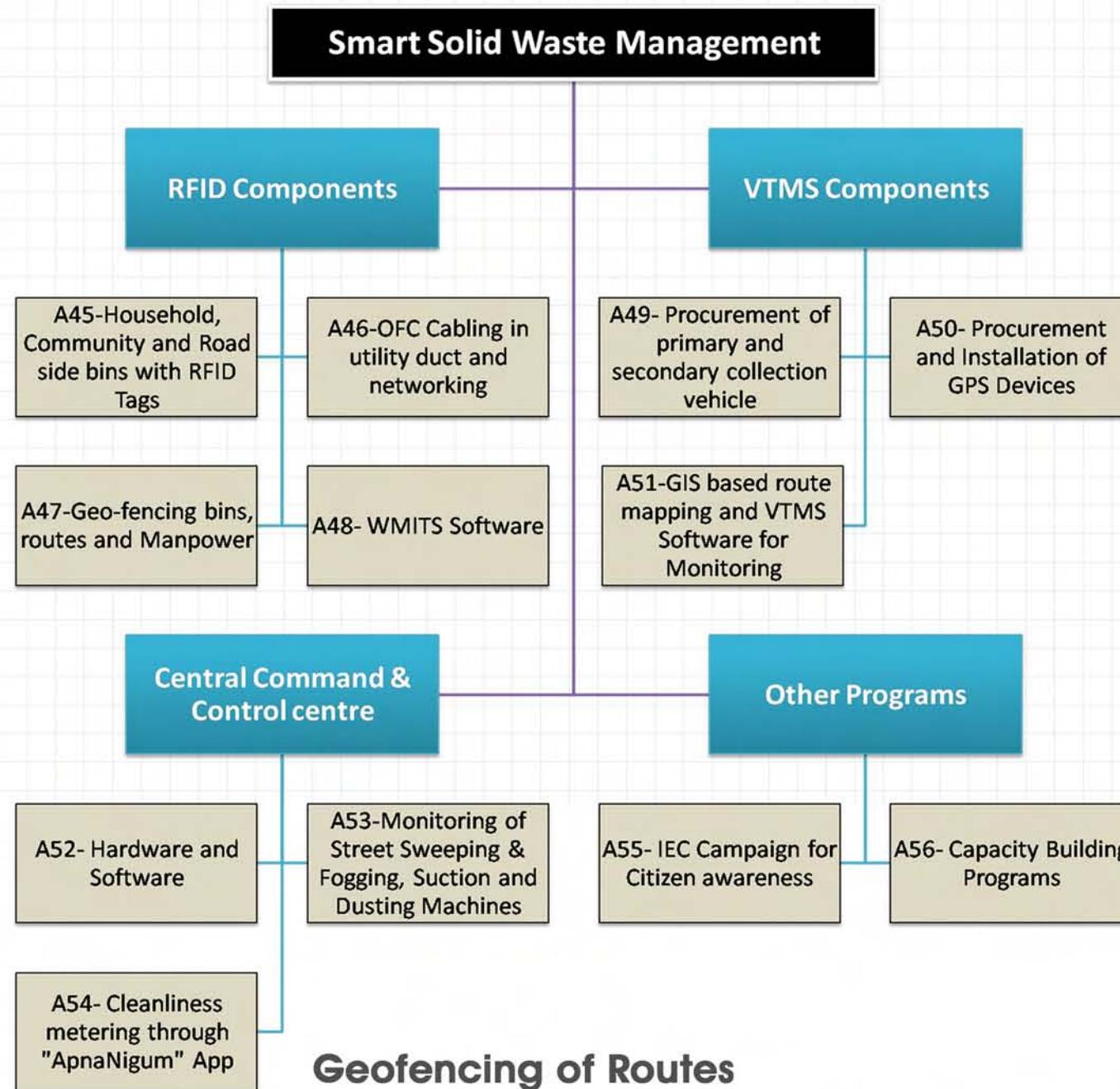


2

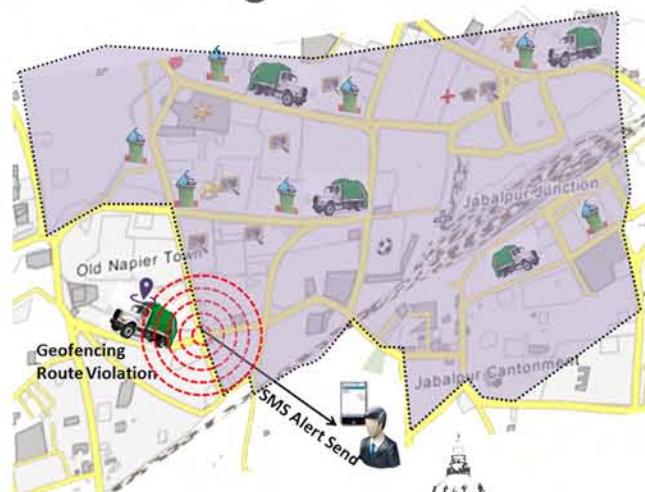


1

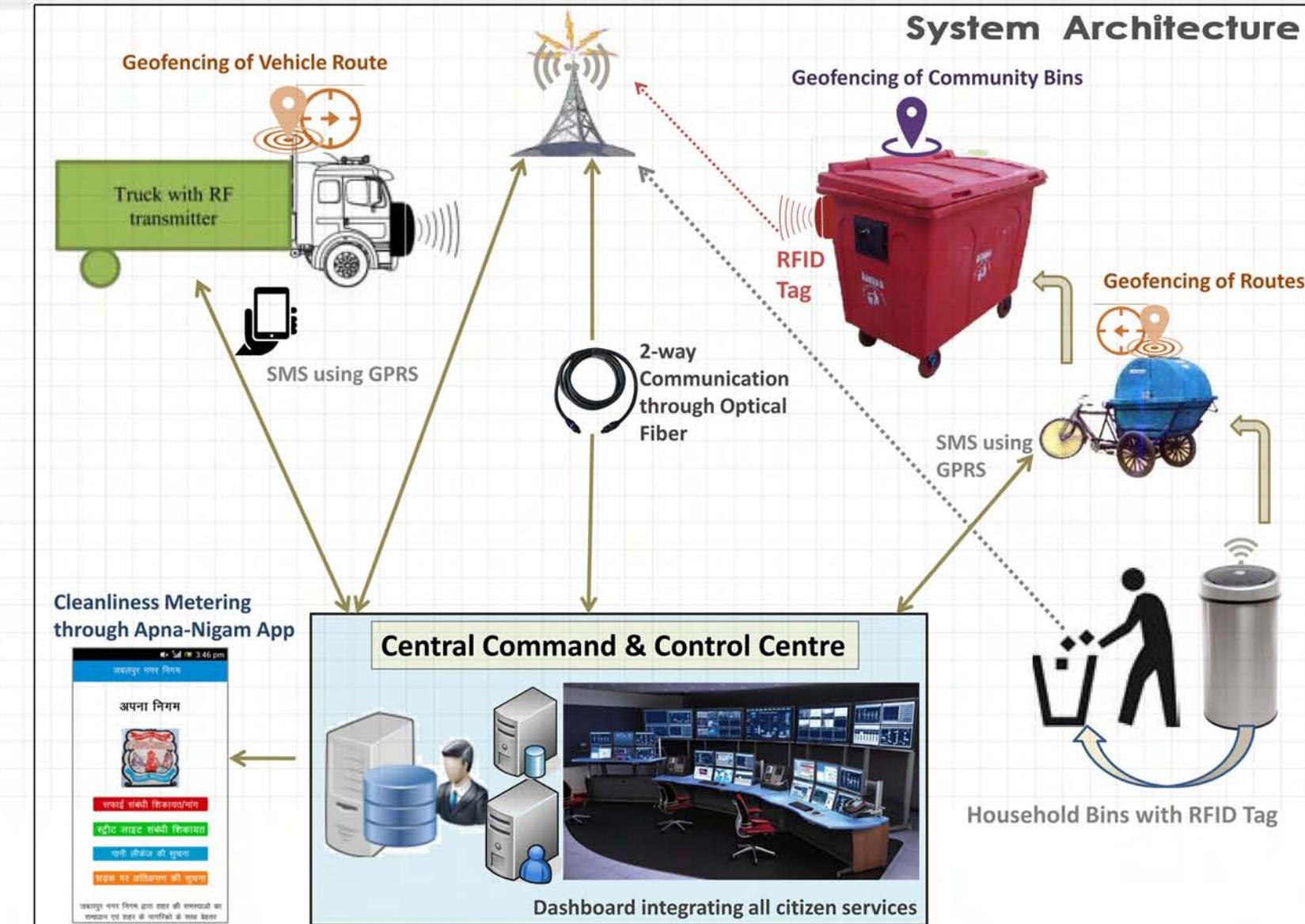
## COMPONENTS & ACTIVITY CHART



### Geofencing of Routes



Geo-fencing allow the tracking of Bins, Manpower & vehicle Routes & helps in SWM Monitoring



### Key Features:

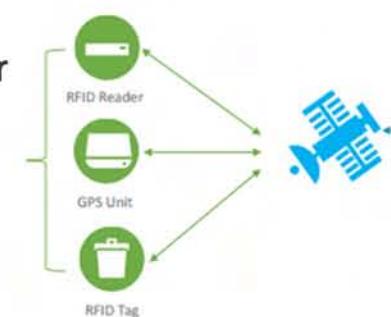
- 1) RFID based Garbage Collection and Vehicle Management
- Role of Central Command & Control Centre
- 2) User Management, Citizen Grievance, Messaging & Notification
- 3) Geo Routing & Fencing of Bins, Manpower & Vehicles

### RFID Components

RFID Reader

GPS Unit

RFID Tag



### Waste to Energy



1X11.5 MW Municipal Solid Waste Power Plant (Incinerator) will be commissioned in January 2016.



# IMPLEMENTATION SCENARIOS

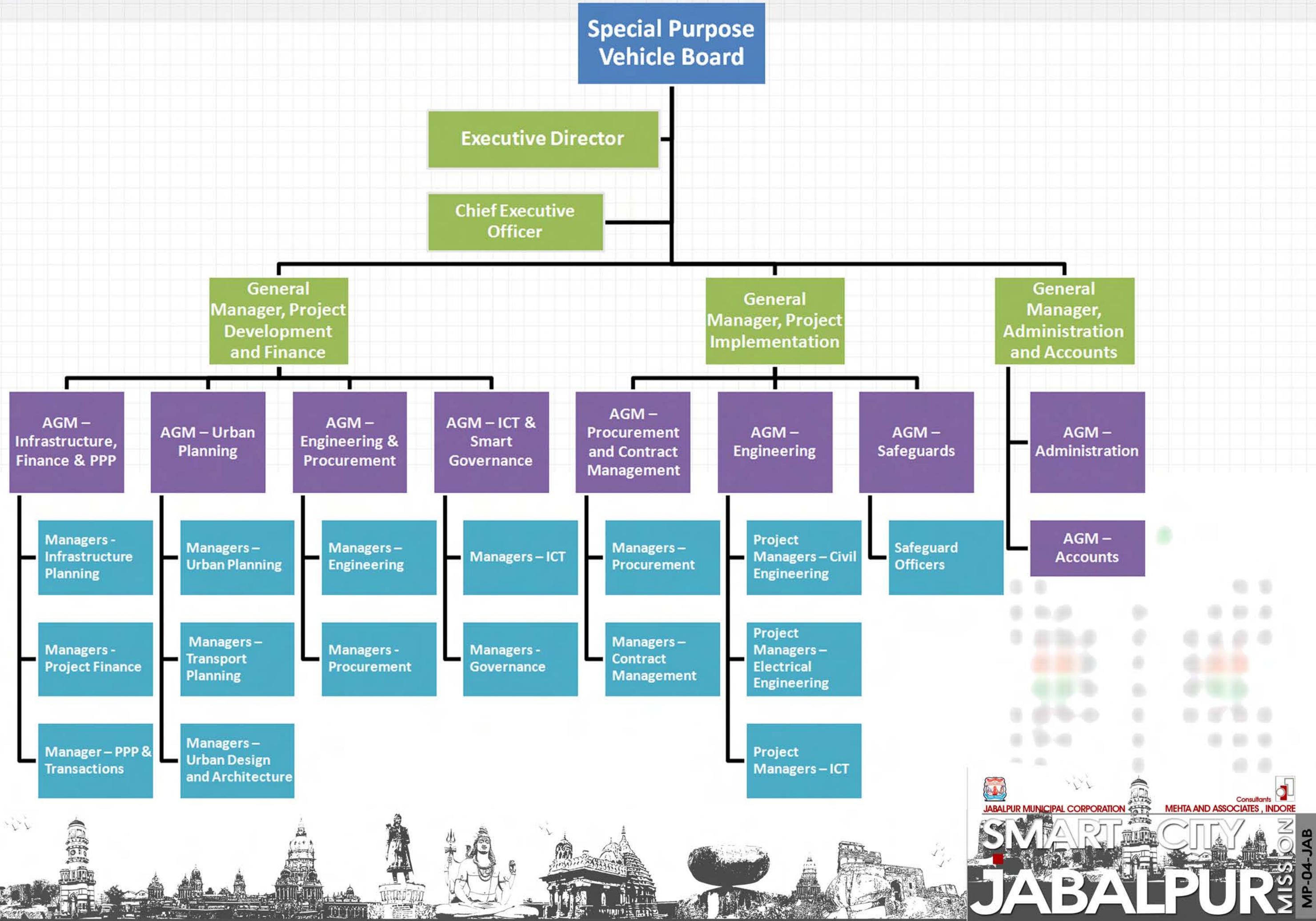
Annexure - 03

Appendix - 14

Response to Q.No. : 32

Time lines for Implementation of Smart City Proposal						
Activity No	Project/component	2016-17	2017-18	2018-19	2019-20	2020-21
<b>I Retro-fitting-cum-redevelopment Area Based Development</b>						
1	<b>Economy &amp; Employment</b>					
A1	Skill Development Centers (SDC) & Incubation Centers					
A2	Civic Centre, Gol Bazar and informal markets					
A3	Convention and Exhibition Centre (C&EC)					
2	<b>Mixed Use and Compactness</b>					
A4	TOD around Madan Mahal & major roads					
3	<b>Housing &amp; Inclusiveness</b>					
A5	Redevelopment of slums					
A6	Mixed Income, High Density redevelopment					
4	<b>Underground Electrification</b>					
A7	Underground Utility Duct for laying of utilities including power lines					
<b>Water Supply and Management</b>						
5	<b>Water Supply</b>					
A8	24X7 Water Supply & reuse of recycled water					
6	<b>Water Management</b>					
A9	Installation of SCADA System					
A10	Smart Consumer Metering					
A11	Water Quality Monitoring System					
<b>Sanitation &amp; Waste Management</b>						
7	<b>Sanitation</b>					
A12	Construction of Public Toilets					
8	<b>Waste Water Management</b>					
A13	Laying of Sewerage Network					
A14	Decentralised waste water Treatment system (DEWATS)					
A15	Laying of Underground Storm Water Drainage Network					
A16	Rain Water Harvesting and its re-use					
<b>Social Aspects</b>						
9	<b>Education</b>					
A17	Smart classroom with Wi-fi facility					
10	<b>Health</b>					
A18	Emergency Response System for vulnerable					
11	<b>Identity &amp; Culture</b>					
A19	Rejuvenation of Ranital tank					
A20	Development of Cultural Art Alley					
12	<b>Open Spaces</b>					
A21	Landscaping around Ranital Tank					
A22	Improvement of other parks					
A23	Upgradation of Stadiums					
13	<b>Air Quality</b>					
A24	Air Quality Monitoring Sensors					

Time lines for Implementation of Smart City Proposal						
Activity No	Project/component	2016-17	2017-18	2018-19	2019-20	2020-21
<b>Energy</b>						
14	<b>Energy Supply</b>					
A25	Smart Power Sub Stations and Smart Distribution Network					
A26	Smart Consumer Meter					
15	<b>Energy Source</b>					
A27	Solar Panels on Redevelopment areas/buildings, Street lights, Public Buildings					
16	<b>Energy Efficiency</b>					
A28	Energy efficient & Green Buildings in the redevelopment area					
A29	Implementing Net Metering Policy					
<b>Transportation &amp; Walkability</b>						
17	<b>Transport &amp; Mobility</b>					
A30	Improvement of Roads, Vehicular Intersections and Pedestrian Crossing					
A31	Intelligent Traffic Management System					
A32	Smart Parking					
A33	Smart Bus Stops					
18	<b>Walkability</b>					
A34	Green Corridor and Pedestrianisation of Civic Center					
A35	E-rickshaw as NMT					
<b>Information Technology</b>						
19	<b>IT Connectivity</b>					
A36	Setting up of Public WI-Fi Hot Spots					
A37	GIS Mapping of the Area, its management and monitoring					
20	<b>Intelligent Government Services</b>					
A38	Digitalization of governance and citizen services					
A39	Area Command and Control center and public facilitation center					
<b>Safety &amp; Security</b>						
A40	Sensor enabled LED Lighting System					
A41	Installation of Multi use CCTV Cameras					
A42	Unified Pole					
A43	Fire Hydrant System					
A44	Disaster Management and Mitigation Center					
<b>II Pan City Proposal- Smart Solid Waste Management</b>						
<b>RFID (Radio Frequency Identification) Components</b>						
A45	Household, Community and Road side bins with RFID Tags					
A46	OFC Cabling in utility duct and networking					
A47	Geo-fencing bins, routes and Manpower					
A48	WMITS Software					
<b>VTMS (Vehicle Tracking and Monitoring System) Components</b>						
A49	Procurement of primary and secondary collection vehicle					
A50	Procurement and Installation of GPS Devices					
A51	VTMS Software for Monitoring					
<b>Central Command and Control center and Other Misc. Components</b>						
A52	Hardware and Software for central Command and Control center					
A53	Street Sweeping & Fogging, Suction and Dusting Machines					
A54	Cleanliness metering through "ApnaNigum" App					
A55	IEC Campaign for Citizen awareness					
A56	Capacity Building Programmes					



JABALPUR MUNICIPAL CORPORATION

Consultants

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**SMART CITY JABALPUR**

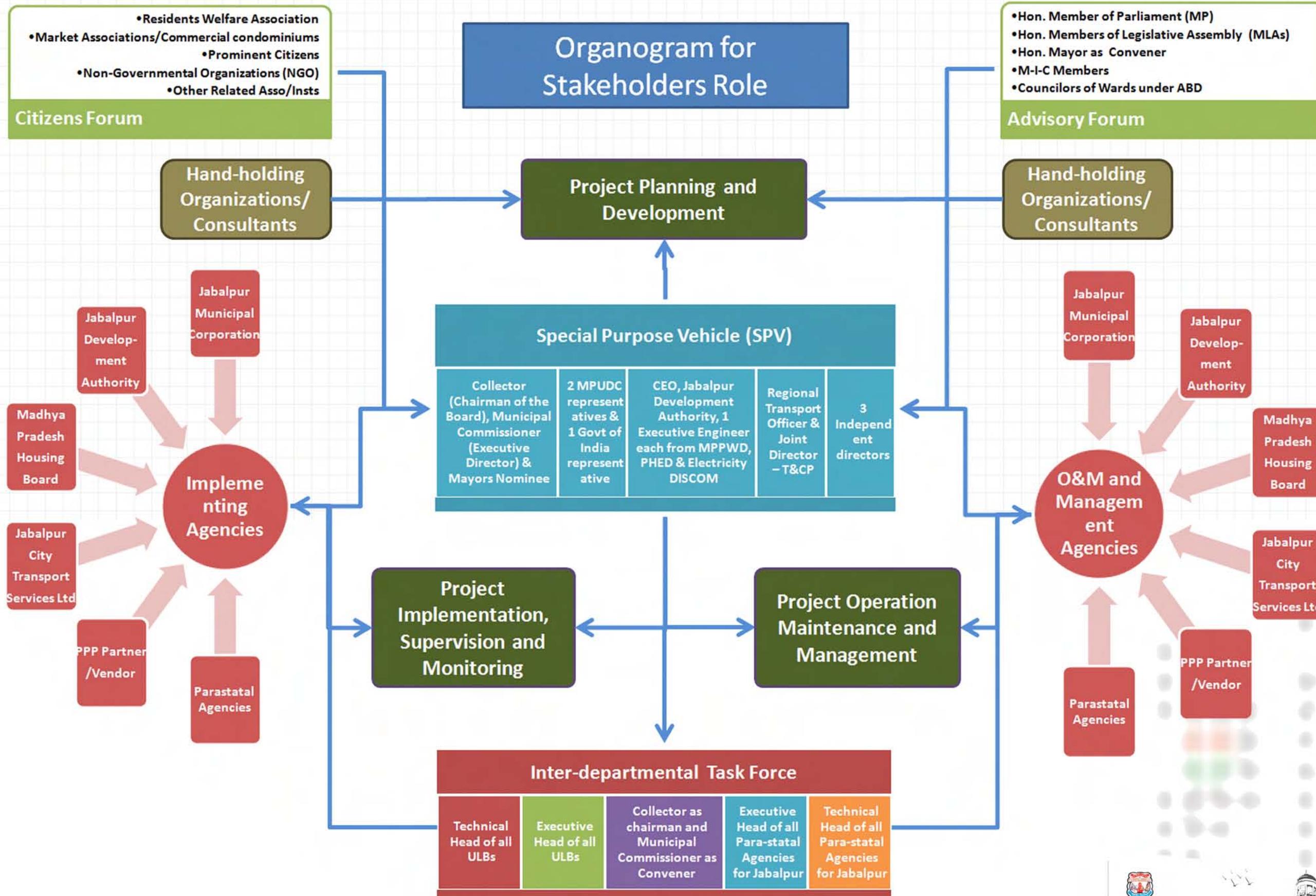
# ORGANOGRAM FOR STAKEHOLDERS ROLE



Smart City  
Jabalpur Development

Annexure - 03 Response to Q.No. : 36

Appendix - 16





## 17.1 PROJECT PACKAGE WISE ITEMISED COST OF ACTIVITIES

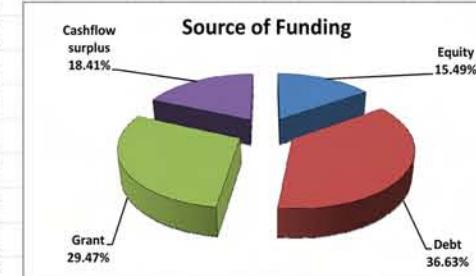
Project Package Wise Itemised Cost of Activities in Jabalpur Smart City Proposal (SCP)								
SN	Activity Number	Project/Component	Quantity	Unit	Rate per Unit	Amount in Rs	Amount in Rs Crs	Annual O&M Cost
<b>I Retrofitting cum Redevelopment Proposal</b>								
1	A 5	Area Planning - Redevelopment of Public Land	83720.00	Sqm	10000	837200000.00	83.72	
2	A 6	Compensatory Tenements Built-up	237289.06	Sqm	12000	284746722.63	284.75	
3	A 6, A 4	Real-estate Sale Components Built-up	1023783.40	Sqm	12000	1228540773.88	1228.54	
4	A 6	Parking Built-up	627569.81	Sqm	8000	5020558510.03	502.06	
5	A 6	Development Cost	461717.79	Sqm	1700	78492024.61	78.49	
		<b>Total Area Planning - Redevelopment of Public Land</b>				<b>2177.55</b>	<b>7.38</b>	
<b>B Economy and Employment</b>								
1	A 3	Convention and Exhibition Center		LS		500000000.00	50.00	
2	A 1	Skill Development Centers for Garment Mfg and Tribals Handicrafts	15000	Sqm	12000	180000000.00	18.00	
3	A 2	Development of Civic Center		LS		200000000.00	20.00	
4	A 2	Development of Gol Bazaar		LS		200000000.00	20.00	
5	A 1	Incubation centers	7500	Sqm	12000	90000000.00	9.00	
		<b>Total Economy and Employment</b>				<b>117.00</b>	<b>0.67</b>	
<b>C Identity and Culture</b>								
1	A 19	Rejuvenation of Rantai Tank		LS		250000000.00	25.00	
2	A 20	Development of Cultural Art Alley at Bhavartal		LS		50000000.00	5.00	
		<b>Total Identity and Culture</b>				<b>30.00</b>	<b>0.90</b>	
<b>D Transport and Walkability</b>								
1	A 30	Road Development as per Street Design Guidelines						
i		36m wide Road	1.95	KMs	5000000	97590869.85	9.76	
ii		24m Wide Road	8.58	KMs	4000000	343042194.88	34.30	
iii		18m wide Road	20.68	KMs	3000000	620362596.60	62.04	
iv		12m Wide Road	6.51	KMs	2000000	130235044.86	13.02	
v		Other Local Streets and Pedestrian Streets	5	KMs	1500000	7500000.00	7.50	
2	A 30	Vehicular Intersection Improvement as per Street Design Guidelines						
i		3 armed Junctions	23 Nos	1000000	230000000.00	23.00		
ii		4 armed Junctions	25 Nos	1500000	375000000.00	37.50		
3	A 30	Signalisation						
i		3 armed Junctions	12 Nos	1000000	120000000.00	12.00		
ii		4 armed Junctions	13 Nos	1500000	195000000.00	19.50		
iii		Mid Block Pedestrian Junctions	13 Nos	2000000	26000000.00	26.00		
4	A 35	IPT services - battery operated E-Rickshaws	75 Nos	50000	3750000.00	3.75		
5	A 32	Multilevel Parking with smart components	18835.09	Sqm	10000	188350853.38	18.84	
6	A 32	Smart Parking and Other Components	6 Nos	2000000	120000000.00	12.00		
7	A 34	Development of Green Corridor	2 KMs	2000000	4000000.00	4.00		
8	A 33	Development of Bus Stops	43 Nos	100000	43000000.00	4.30		
9	A 31	Intelligent Traffic Management System		LS		20000000.00	2.00	
		<b>Total Transport and Walkability</b>				<b>289.51</b>	<b>8.90</b>	
<b>E Water Supply and Reuse of Recycled Water</b>								
1	A 8	Elevated Service Reservoirs						
i		Potable Water of 3400 KL	1 Nos	3400000	34000000.00	3.40		
ii		Recycled Water of 2250 KL	2 Nos	2250000	4500000.00	4.50		
2	A 8	Feeder Mains and Distribution Network						
i		Feeder Mains for Potable Water ESRs	0.20 Kms	1700000	3400000.00	0.34		
ii		Feeder Mains for Recycled Water ESRs	3.00 Kms	1700000	5100000.00	5.10		
iii		Distribution Network (Dual Piping - Potable and Recycled)	170.87 Kms	2000000	341747021.86	34.17		
3	A 9	SCADA Sensor enabled Flow Meters	50 Nos	50000	25000000.00	2.50		
4	A 9	SCADA enabled Pressure Transducers	50 Nos	100000	1200000.00	0.12		
5	A 9	SCADA enabled Level Sensor system	50 Nos	100000	5000000.00	0.50		
6	A 9	Geo-Thermal Imaging Leak detectors	50 Nos	100000	5850000.00	5.85		
7	A 10	Smart Consumer Water Meters	9000 Nos	6500	58500000.00	5.85		
8	A 10	Softwares for Area Command and Control Center		LS		30000000.00	3.00	
9	A 11	Water Quality Monitoring System		LS		20000000.00	2.00	
		<b>Total Water Supply and Reuse of Recycled Water</b>				<b>61.48</b>	<b>7.16</b>	
<b>F Waste Water Management - Sewerage &amp; Sanitations</b>								
1	A 13	Sewerage existing Network laying of new sewerage network	42.7183777	Kms	8000000	341747021.86	34.17	
2	A 13	Sewerage Primary Network for DEWATS	1.5 KMs	1500000	22500000.00	2.25		
3	A 14	Decentralised Waste Water Treatment Plant of 6 MLD Each	2 Nos	12000000	240000000.00	24.00		
4	A 12	Construction of Public Toilets	15 Nos	800000	12000000.00	1.20		
		<b>Total Waste Water Management - Sewerage &amp; Sanitations</b>				<b>61.62</b>	<b>4.93</b>	

Project Package Wise Itemised Cost of Activities in Jabalpur Smart City Proposal (SCP)							
SN	Activity Number	Project/Component	Quantity	Unit	Rate per Unit	Amount in Rs	Amount in Rs Crs
<b>G Water Management - Storm Water Drainage</b>							
1	A 15	Underground Primary Storm Water Drainage Network	17.09	Kms	12000000	205048213.11	20.50
2	A 15	Underground Secondary Storm Water Drainage Network	25.63	Kms	8000000	205048213.11	20.50
3	A 15	Underground Tertiary Storm Water Drainage Network	42.72	Kms	4000000	170873510.93	17.09
		<b>Total Water Management - Storm Water Drainage</b>				<b>58.10</b>	<b>2.90</b>
<b>H Power Supply, Source and efficiency</b>							
1	A 25	Smart Components in Power Sub-stations 33/11 KV	2 Nos		20000000	40000000.00	4.00
2	A 25	Smart Components in Sub-stations 11KV/440 V	4 Nos		20000000	80000000.00	8.00
3	A 25	Smart Distribution Network with Meters and sensors	36 Nos		10000000	360000000.00	36.00
4	A 27	Solar Power Terrace Installations on Redevelopment Buildings	94135.47	Ksqm	20000	1882709441.26	188.27
5	A 27	Solar Panels on Street Lights	1500.00	Nos	3500	5250000.00	0.53
6	A 27	Solar Power Terrace Installations on Convention Center and Sports Complex	13815.94	Sqm	20000	276318754.58	27.63
7	A 27	Solar Power Terrace Installations on other government buildings	12026.35	Sqm	20000	240527039.28	24.05
8	A 26	Smart Consumer Metering	9000	Nos	8125	73125000.00	7.31
		<b>Total Power Supply, Source and efficiency</b>				<b>295.79</b>	<b>14.79</b>
<b>I Underground Utility Duct and shifting</b>							
1	A 7	Underground Utilities duct on Major Roads	31.21	Kms	30000000	936198764.67	93.62
2	A 7	Underground Utilities duct on Other Roads and Pedestrian Paths	11.51	Kms	5000000	57558761.22	5.76
3	A 7	Shifting of Overhead Power Cables incl DP's in Utility Duct	31.21	Kms	20000000	62412509.78	62.41
4	A 7	Shifting of Overhead Communication lines incl DP's in Utility Duct	31.21	Kms	14000000	43689275.68	4.37
5	A 7	Shifting of Overhead Power Cables incl DP's in Other local Streets and Pedestrian Streets	11.51	Kms	25000000	287793806.08	28.78
6	A 7	Shifting of Overhead Communication lines incl DP's in Other local Streets and Pedestrian Streets	11.51	Kms	700000	8058226.57	0.81
7	A 7	Laying of underground Gas Line on Major Roads	31.21	Kms	6000000	187239752.93	18.72
8	A 7	L					

## 18.1 ASSUMPTIONS

Jabalpur Smart City Proposal - Assumptions	
<b>General Assumptions</b>	
Cost Escalation per annum	7.0%
Wholesale Price Index	6.7%
Increase in Property Prices/ annum	10.5%
Property Prices in Year 2015, Rs/sqft	2,938
Cost of Construction, Rs/sqft	1,500
Area for existing HHs, in Sqft/HH	538
Area for new HHs, in Sqft/HH	1,000
Area for new/existing HHs in Retrofitting Area, in sqft/HH	1,000
Premium on FAR as % of Registrar Guideline Value	10%
Premium for additional FAR, Rs/sqft	294
Cumulative Tax, in % of Property Tax	5.0%
Education Tax, in % of Annual Letting Value	2.0%
Smart City Cess in % of Annual Letting Value	1.5%
Property Tax, in % of Annual Letting Value	10%
Cost of Equity	20%
Average Cost of Capital	7.6%
Opex as % of Cumulative Capex - Employee, Power, Maintenance,	2.2%
FAR at Redevelopment and Retrofitting Areas	3
Water Consumption, in lpcd	135
Volumetric Rate, Rs/Kl	9
Sewerage Revenue, as % of Water Revenue	50%
MSW Charge per HH, Rs/month	75
<b>Investment Required, Rs Crore</b>	
Area Based Development - Retrofit Cum redevelopment	2122.6
Pan City Proposal - Smart Waste Management	203.4
Administration and Other Expenses	190.4
<b>Project Cost</b>	<b>2516.4</b>
Investment on real estate sale built-up in Redevelopment Component	1482.1
<b>Total Project Cost</b>	<b>3998.5</b>

## 18.2 SOURCE OF FUNDING



Jabalpur Smart City Proposal - Source of Funding

in Rs Crore	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15
<b>Required Investment</b>	259.4	491.3	505.9	562.5	556.6	110.4	118.1	126.3	202.8	217.0	-	-	-	-	-
<b>Capital Structure</b>															
Equity	194.0	98.0	98.0	98.0	-	-	-	-	-	-	-	-	-	-	-
Total Equity															
Debt	-	198.5	217.5	269.7	468.5	-	-	-	-	-	-	-	-	-	-
Grant including Convergence	260.0	194.9	190.5	194.9	88.1	-	-	-	-	-	-	-	-	-	-
<b>Total Capital Structure</b>	<b>454.05</b>	<b>491.35</b>	<b>505.94</b>	<b>562.5</b>	<b>556.6</b>	-	-	-	-	-	-	-	-	-	-
	66.05	96.87	92.47	96.87	88.06										
<b>Debt Schedule</b>															
Gross Debt	-	198.5	416.0	675.7	1,123.4	1,084.2	1,016.1	931.3	823.9	698.1	543.5	372.1	217.9	93.7	(0.0)
Repayment of Debt	-	-	9.9	20.8	39.2	68.1	84.8	107.4	125.8	154.7	171.3	154.2	124.2	93.7	-
Net Debt - Long Term	-	198.5	406.0	654.9	1,084.2	1,016.1	931.3	823.9	698.1	543.5	372.1	217.9	93.7	(0.0)	(0.0)
Interest Cost on Long Term Debt	-	8.4	25.7	45.1	73.9	89.3	82.8	74.6	64.7	52.8	38.9	25.1	13.2	4.0	(0.0)
<b>Total Repayment of Debt</b>	<b>-</b>	<b>8.44</b>	<b>25.69</b>	<b>45.1</b>	<b>73.9</b>	<b>89.3</b>	<b>82.8</b>	<b>74.6</b>	<b>64.7</b>	<b>52.8</b>	<b>38.9</b>	<b>25.1</b>	<b>13.2</b>	<b>4.0</b>	<b>(0.0)</b>
<b>Repayment of Long Term Debt</b>															
	-	-	9.9	9.9	14.9	14.9	24.8	24.8	29.8	29.8	39.7	-	-	-	-
	-	-	10.9	10.9	16.3	16.3	27.2	27.2	32.6	32.6	43.5	-	-	-	-
	-	-	13.5	13.5	20.2	20.2	33.7	33.7	40.5	40.5	53.9	-	-	-	-
	-	-	23.4	23.4	35.1	35.1	58.6	58.6	70.3	70.3	93.7	-	-	-	-
	-	-	84.8	84.8	125.8	125.8	154.7	154.7	171.3	171.3	154.2	124.2	93.7	-	-

## 18.3 INCOME STATEMENT

Jabalpur Smart City Proposal - Income Statement

in Rs Crore	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15
<b>SPV Revenue</b>															
<b>MSW Charge</b>	1.66	1.91	2.30	2.92	3.72	4.61	5.64	6.83	8.29	9.98	11.67	13.84	16.34	19.21	22.51
<b>Water Charge</b>	4.09	4.56	5.32	6.53	8.06	9.66	11.45	13.44	15.79	18.40	20.83	23.93	27.36	31.15	35.34
<b>Sewerage Cess</b>	2.04	2.28	2.66	3.26	4.03	4.83	5.72	6.72	7.89	9.20	10.42	11.97	13.68	15.58	17.67
<b>Total Service Fee</b>	<b>7.8</b>	<b>8.7</b>	<b>10.3</b>	<b>12.7</b>	<b>15.8</b>	<b>19.1</b>	<b>22.8</b>	<b>27.0</b>	<b>32.0</b>	<b>37.6</b>	<b>42.9</b>	<b>49.7</b>	<b>57.4</b>	<b>65.9</b>	<b>75.5</b>
One time Revenue from Real-estate Sale	29.0	148.2	308.8	341.3	377.1	416.7	486.9	643.7	746.6	437.9	-	-	-	-	-
Property Tax	-	0.0	2.2	5.2	9.6	14.6	20.6	27.7	36.6	47.1	57.3	71.1	87.1	105.7	127.2
Premium for Additional FAR	-	28.5	63.0	104.4	115.4	127.5	140.9	155.6	172.0	190.0	280.0	309.4	341.9	377.8	-
Smart City Cess	-	0.0	0.3	0.8	1.4	2.2	3.1	4.2	5.5	7.1	8.6	10.7	13.1	15.9	19.1
Cumulative Tax	-	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7	0.8	0.9	-
Education Tax	-	0.0	0.4	1.0	1.9	2.9	4.1	5.5	7.3	9.4	11.5	14.2	17.4	21.1	25.4
User Charges from Convention Centre	12.5	13.9	15.3	16.9	18.7	20.7	22.8	25.2	27.9	30.8	34.0	37.6	41.6	45.9	50.8
User Charges from Sports Complex	11.5	12.7	14.0	15.5	17.1	18.9	20.9	23.1	25.6	28.2	31.2	34.5	38.1	42.1	46.5
<b>Total Revenue</b>	<b>60.9</b>	<b>212.0</b>	<b>414.4</b>	<b>497.9</b>	<b>557.2</b>	<b>622.9</b>	<b>722.5</b>	<b>912.5</b>	<b>1,053.9</b>	<b>788.8</b>	<b>466.2</b>	<b>527.9</b>	<b>597.3</b>	<b>675.3</b>	<b>345.5</b>
<b>Expenses</b>															
Construction Cost - Redevelopment	13.0	64.5	150.1	173.5	157.1	152.0	177.6	234.8	272.3	159.7	-	-	-	-	-
Annual OPEX	5.8	18.0	32.2</td												

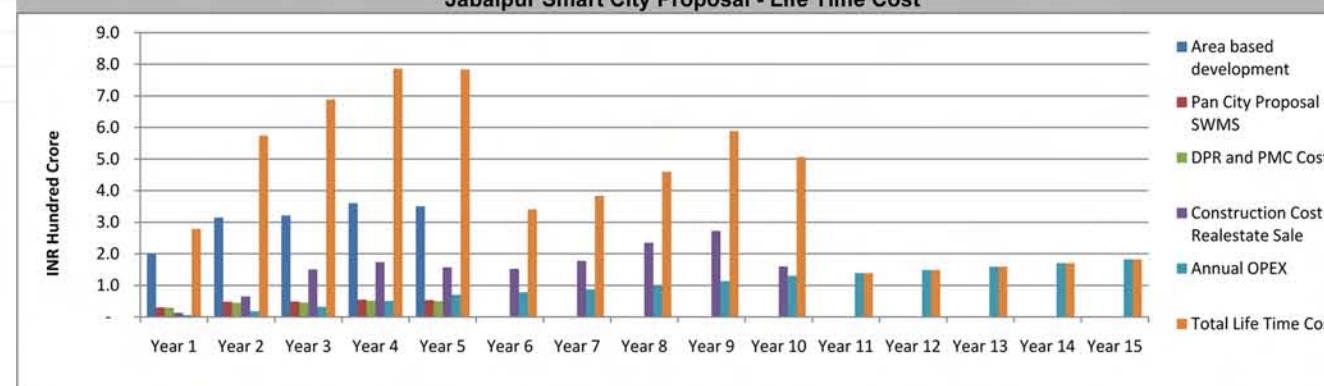
## 19.1 BALANCE SHEET

Jabalpur Smart City Proposal - Balance Sheet

in Rs Crore	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15
<b>Liability</b>															
Equity	388.0	584.0	780.0	976.0	976.0	976.0	976.0	976.0	976.0	976.0	976.0	976.0	976.0	976.0	976.0
Reserves	24.3	95.1	218.9	345.1	477.8	650.5	883.3	1,225.4	1,651.5	1,924.3	2,087.8	2,291.8	2,542.0	2,845.2	2,924.0
<b>Nwirth</b>	<b>412.3</b>	<b>679.1</b>	<b>998.9</b>	<b>1,321.1</b>	<b>1,453.8</b>	<b>1,626.5</b>	<b>1,859.3</b>	<b>2,201.4</b>	<b>2,627.5</b>	<b>2,900.3</b>	<b>3,063.8</b>	<b>3,267.8</b>	<b>3,518.0</b>	<b>3,821.2</b>	<b>3,904.0</b>
Grant	66.0	162.9	255.4	352.2	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3	440.3
<b>Loan</b>															
Long Term	-	198.5	406.0	654.9	1,084.2	1,016.1	931.3	823.9	698.1	543.5	372.1	217.9	93.7	(0.0)	(0.0)
Short Term	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Debt</b>	<b>-</b>	<b>198.5</b>	<b>406.0</b>	<b>654.9</b>	<b>1,084.2</b>	<b>1,016.1</b>	<b>931.3</b>	<b>823.9</b>	<b>698.1</b>	<b>543.5</b>	<b>372.1</b>	<b>217.9</b>	<b>93.7</b>	<b>(0.0)</b>	<b>(0.0)</b>
<b>Total Liability</b>	<b>478.3</b>	<b>1,040.5</b>	<b>1,660.3</b>	<b>2,328.3</b>	<b>2,978.3</b>	<b>3,082.9</b>	<b>3,230.9</b>	<b>3,465.6</b>	<b>3,765.9</b>	<b>3,884.1</b>	<b>3,876.3</b>	<b>3,926.0</b>	<b>4,052.0</b>	<b>4,261.5</b>	<b>4,348.0</b>
<b>Assets</b>															
Gross Block	454.0	945.4	1,451.3	2,013.9	2,570.5	2,570.5	2,570.5	2,570.5	2,570.5	2,570.5	2,570.5	2,570.5	2,570.5	2,570.5	2,570.5
Depreciation	12.3	48.0	107.7	194.1	306.9	425.0	548.7	678.5	817.8	967.4	1,117.1	1,266.7	1,416.4	1,566.0	1,715.0
<b>Net Block</b>	<b>441.7</b>	<b>897.4</b>	<b>1,343.7</b>	<b>1,819.8</b>	<b>2,263.5</b>	<b>2,145.4</b>	<b>2,021.7</b>	<b>1,892.0</b>	<b>1,752.7</b>	<b>1,603.0</b>	<b>1,453.4</b>	<b>1,303.7</b>	<b>1,154.1</b>	<b>1,004.4</b>	<b>854.0</b>
<b>Working Capital</b>															
Inventory	2.6	7.5	12.6	18.2	23.8	24.9	26.0	27.3	29.3	31.5	31.5	31.5	31.5	31.5	31.5
Debtors	7.5	26.1	51.1	61.4	68.7	76.8	89.1	112.5	129.9	97.2	57.5	65.1	73.6	83.3	41.0
Cash & Bank Balance	28.8	119.6	275.5	456.4	650.3	864.2	1,126.8	1,474.9	1,901.5	2,188.0	2,351.0	2,544.0	2,812.4	3,163.2	3,434.0
Current Liability & Provisions	2.3	10.2	22.5	27.5	28.0	28.4	32.7	41.1	47.5	35.7	17.1	18.3	19.6	21.0	2.0
<b>Net Current Assets</b>	<b>36.6</b>	<b>143.1</b>	<b>316.7</b>	<b>508.5</b>	<b>714.8</b>	<b>937.5</b>	<b>1,209.2</b>	<b>1,573.6</b>	<b>2,013.3</b>	<b>2,281.0</b>	<b>2,422.9</b>	<b>2,622.3</b>	<b>2,897.9</b>	<b>3,257.0</b>	<b>3,484.0</b>
<b>Total Assets</b>	<b>478.3</b>	<b>1,040.5</b>	<b>1,660.3</b>	<b>2,328.3</b>	<b>2,978.3</b>	<b>3,082.9</b>	<b>3,230.9</b>	<b>3,465.6</b>	<b>3,765.9</b>	<b>3,884.1</b>	<b>3,876.3</b>	<b>3,926.0</b>	<b>4,052.0</b>	<b>4,261.5</b>	<b>4,348.0</b>

## 19.2 LIFE TIME COST

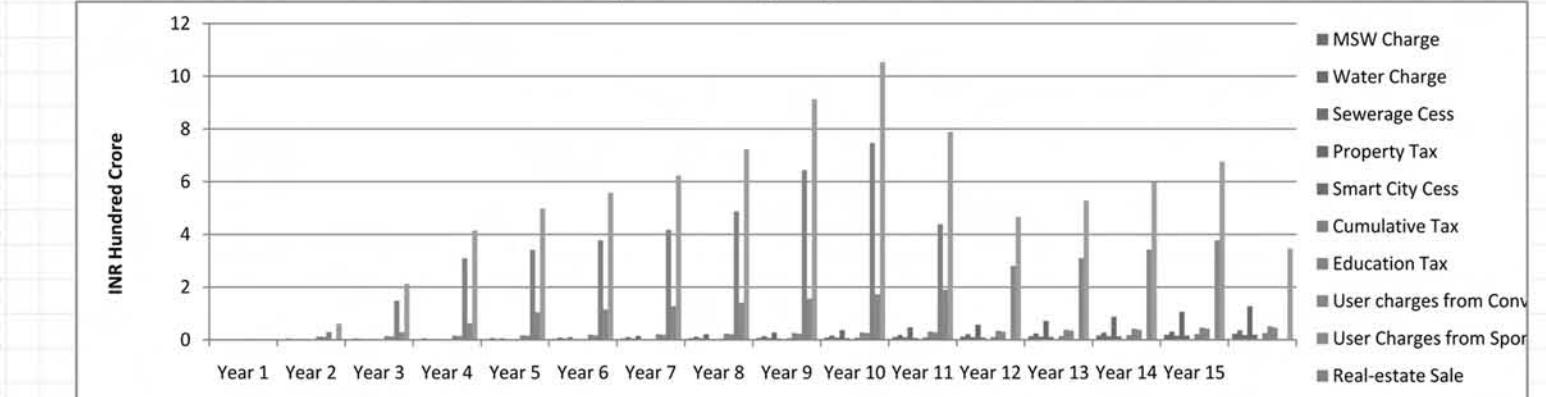
Jabalpur Smart City Proposal - Life Time Cost



Jabalpur Smart City Proposal - Life Time Co

### 19.3 LIFE TIME REVENUE

Jabalpur Smart City Proposal - Life Time Revenue



Jabalpur Smart City Proposal - Life time Revenue

Life time Revenue Figures in Rs Crore																Total Lifetime Revenue
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	
MSW Charge	1.7	1.9	2.3	2.9	3.7	4.6	5.6	6.8	8.3	10.0	11.7	13.8	16.3	19.2	22.5	131.2
Water Charge	4.1	4.6	5.3	6.5	8.1	9.7	11.4	13.4	15.8	18.4	20.8	23.9	27.4	31.2	35.3	235.2
Sewerage Cess	2.0	2.3	2.7	3.3	4.0	4.8	5.7	6.7	7.9	9.2	10.4	12.0	13.7	15.6	17.7	118.2
Property Tax	-	0.0	2.2	5.2	9.6	14.6	20.6	27.7	36.6	47.1	57.3	71.1	87.1	105.7	127.2	612.2
Smart City Cess	-	0.0	0.3	0.8	1.4	2.2	3.1	4.2	5.5	7.1	8.6	10.7	13.1	15.9	19.1	91.9
Cumulative Tax	-	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7	0.8	0.8	0.9	6.0
Education Tax	-	0.0	0.4	1.0	1.9	2.9	4.1	5.5	7.3	9.4	11.5	14.2	17.4	21.1	25.4	122.4
User charges from Convention Centre	12.5	13.9	15.3	16.9	18.7	20.7	22.8	25.2	27.9	30.8	34.0	37.6	41.6	45.9	50.8	414.8
User Charges from Sports Complex	11.5	12.7	14.0	15.5	17.1	18.9	20.9	23.1	25.6	28.2	31.2	34.5	38.1	42.1	46.5	380.5
Real-estate Sale	29.0	148.2	308.8	341.3	377.1	416.7	486.9	643.7	746.6	437.9	-	-	-	-	-	3,936.6
Premium for Additional FAR	-	28.5	63.0	104.4	115.4	127.5	140.9	155.6	172.0	190.0	280.0	309.4	341.9	377.8	-	2,406.1
<b>Total</b>	<b>60.9</b>	<b>212.0</b>	<b>414.4</b>	<b>497.9</b>	<b>557.2</b>	<b>622.9</b>	<b>722.5</b>	<b>912.5</b>	<b>1,053.9</b>	<b>788.8</b>	<b>466.2</b>	<b>527.9</b>	<b>597.3</b>	<b>675.3</b>	<b>345.5</b>	<b>8,455.5</b>
<hr/>																
<b>Life time Revenue- Present Value</b>																
MSW Charge	1.7	1.8	2.0	2.4	2.8	3.3	3.8	4.3	4.8	5.4	5.9	6.6	7.3	8.0	8.7	68.8
Water Charge	4.1	4.3	4.6	5.3	6.1	6.9	7.6	8.4	9.2	10.0	10.6	11.4	12.1	12.9	13.7	127.8
Sewerage Cess	2.0	2.1	2.3	2.7	3.1	3.4	3.8	4.2	4.6	5.0	5.3	5.7	6.1	6.5	6.9	63.3
Property Tax	-	0.0	1.9	4.2	7.3	10.4	13.7	17.3	21.3	25.6	29.2	33.8	38.7	43.9	49.3	296.3
Smart City Cess	-	0.0	0.3	0.6	1.1	1.6	2.1	2.6	3.2	3.8	4.4	5.1	5.8	6.6	7.4	44.3
Cumulative Tax	-	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	3.0
Education Tax	-	0.0	0.4	0.8	1.5	2.1	2.7	3.5	4.3	5.1	5.8	6.8	7.7	8.8	9.9	59.9
User charges from Convention Centre	12.5	13.0	13.4	13.8	14.3	14.7	15.2	15.7	16.2	16.8	17.3	17.9	18.5	19.1	19.7	238.7
User Charges from Sports Complex	11.5	11.9	12.3	12.7	13.1	13.5	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.5	18.0	218.0
Real-estate Sale	29.0	138.5	269.8	278.6	287.7	297.1	324.4	400.8	434.5	238.2	-	-	-	-	-	2,698.5
Premium for Additional FAR	-	26.6	55.0	85.2	88.0	90.9	93.9	96.9	100.1	103.4	142.3	147.0	151.8	156.8	-	1,337.5
<b>Total</b>	<b>60.9</b>	<b>198.2</b>	<b>362.0</b>	<b>406.4</b>	<b>425.1</b>	<b>444.1</b>	<b>481.4</b>	<b>568.2</b>	<b>613.4</b>	<b>429.0</b>	<b>237.0</b>	<b>250.8</b>	<b>265.2</b>	<b>280.2</b>	<b>134.0</b>	<b>5,156.0</b>



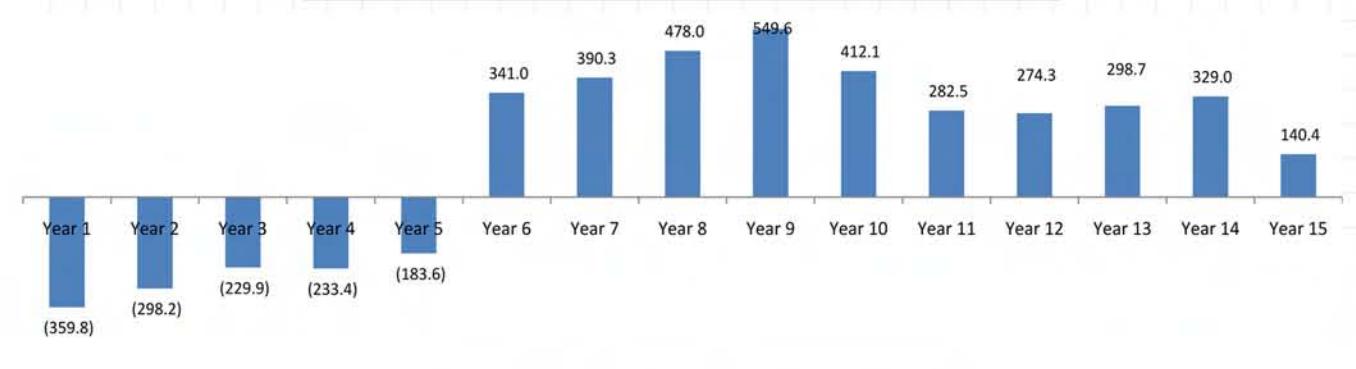
### 20.1 CASH FLOW STATEMENT

Jabalpur Smart City Proposal - Cash-flow Statement

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15
<b>Sources of Funds</b>															
PAT	24.3	70.8	123.8	126.2	132.7	172.7	232.7	342.1	426.1	272.8	163.6	203.9	250.2	303.2	80.6
Depreciation	12.3	35.7	59.7	86.4	112.9	118.1	123.7	129.7	139.3	149.6	149.6	149.6	149.6	149.6	149.6
Change in Equity	388.0	196.0	196.0	196.0	-	-	-	-	-	-	-	-	-	-	-
Change in Debt	-	198.5	207.5	248.9	429.3	(68.1)	(84.8)	(107.4)	(125.8)	(154.7)	(171.3)	(154.2)	(124.2)	(93.7)	-
Change in Grant	66.0	96.9	92.5	96.9	88.1	-	-	-	-	-	-	-	-	-	-
Change in Current Liability & Provisions	2.3	7.8	12.3	5.1	0.4	0.4	4.3	8.4	6.4	(11.8)	(18.6)	1.2	1.3	1.4	1.5
<b>Total</b>	<b>493.0</b>	<b>605.7</b>	<b>691.8</b>	<b>759.4</b>	<b>763.3</b>	<b>223.1</b>	<b>276.0</b>	<b>372.8</b>	<b>446.1</b>	<b>256.0</b>	<b>123.3</b>	<b>200.6</b>	<b>276.9</b>	<b>360.5</b>	<b>231.7</b>
<b>Utilization of Funds</b>															
Dividend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Change in Gross Block	454.0	491.3	505.9	562.5	556.6	-	-	-	-	-	-	-	-	-	-
Change in Inventory	2.6	4.9	5.1	5.6	5.6	1.1	1.2	1.3	2.0	2.2	-	-	-	-	-
Change in Receivable	7.5	18.6	25.0	10.3	7.3	8.1	12.3	23.4	17.4	(32.7)	(39.8)	7.6	8.6	9.6	(40.7)
<b>Total</b>	<b>464.1</b>	<b>514.9</b>	<b>536.0</b>	<b>578.5</b>	<b>569.5</b>	<b>9.2</b>	<b>13.5</b>	<b>24.7</b>	<b>19.5</b>	<b>(30.5)</b>	<b>(39.8)</b>	<b>7.6</b>	<b>8.6</b>	<b>9.6</b>	<b>(40.7)</b>
Opening Cash Balance	-	28.8	119.6	275.5	456.4	650.3	864.2	1,126.8	1,474.9	1,901.5	2,188.0	2,351.0	2,544.0	2,812.4	3,163.2
Change in Cash	28.8	90.8	155.9	181.0	193.9	213.9	262.5	348.1	426.6	286.5	163.1	192.9	268.4	350.9	272.4
<b>Closing Cash Balance</b>	<b>28.8</b>	<b>119.6</b>	<b>275.5</b>	<b>456.4</b>	<b>650.3</b>	<b>864.2</b>	<b>1,126.8</b>	<b>1,474.9</b>	<b>1,901.5</b>	<b>2,188.0</b>	<b>2,351.0</b>	<b>2,544.0</b>	<b>2,812.4</b>	<b>3,163.2</b>	<b>3,435.6</b>

### 20.2 PROJECT & EQUITY IRR

Free Cash Flow to Firm (FCFF)



Jabalpur Smart City Proposal - Project and Equity IRR

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15
<b>Project IRR</b>															
EBIT	29.7	93.9	172.4	188.1	217.5	274.7	333.6	449.8	529.4	349.7	177.8	229.8	288.8	355.6	13.9
Less Tax	6.0	17.6	30.8	31.4	33.0	43.0	57.9	85.1	106.1	105.9	66.1	98.6	132.4	168.0	65.3
Less Increase in Gross Block (net of Grant)	388.0	394.5	413.5	465.7	468.5	-	-	-	-	-	-	-	-	-	-
Less Increase in Current Assets	10.1	23.6	30.0	15.9	12.9	9.2	13.5	24.7	19.5	(30.5)	(39.8)	7.6	8.6	9.6	(40.7)
Add Depreciation	12.3	35.7	59.7	86.4	112.9	118.1	123.7	129.7	139.3	149.6	149.6	149.6	149.6	149.6	149.6
Add Increase in Current Liabilities	2.3	7.8	12.3	5.1	0.4	0.4	4.3	8.4	6.4	(11.8)	(18.6)	1.2	1.3	1.4	1.5
<b>FCFF</b>	<b>(359.8)</b>	<b>(298.2)</b>	<b>(229.9)</b>	<b>(233.4)</b>	<b>(183.6)</b>	<b>341.0</b>	<b>390.3</b>	<b>478.0</b>	<b>549.6</b>	<b>412.1</b>	<b>282.5</b>	<b>274.3</b>	<b>298.7</b>	<b>329.0</b>	<b>140.4</b>
<b>Project IRR</b>	<b>15.4%</b>														
<b>Equity IRR</b>															
PAT	24.3	70.8	123.8	126.2	132.7	172.7	232.7	342.1	426.1	272.8	163.6	203.9	250.2	303.2	80.6
Depreciation	12.3	35.7	59.7	86.4	112.9	118.1	123.7	129.7	139.3	149.6	149.6	149.6	149.6	149.6	149.6
Change in Grant	66.0	96.9	92.5	96.9	88.1	-	-	-	-	-	-	-	-	-	-
Change in Current Liability & Provisions	2.3	7.8	12.3	5.1	0.4	0.4	4.3	8.4	6.4	(11.8)	(18.6)	1.2	1.3	1.4	1.5
<b>FCFE</b>	<b>(359.2)</b>	<b>(105.2)</b>	<b>(40.1)</b>	<b>(15.0)</b>	<b>193.9</b>	<b>213.9</b>	<b>262.5</b>	<b>348.1</b>	<b>426.6</b>	<b>286.5</b>	<b>163.1</b>	<b>192.9</b>	<b>268.4</b>	<b>350.9</b>	<b>272.4</b>
<b>Equity IRR</b>	<b>25.3%</b>														

### 20.3 FUND AVAILABILITY, UTILIZATION & DEBIT REQUIREMENT

Jabalpur Smart City Proposal - Fund Availability, Utilisation and Debt Requirement

