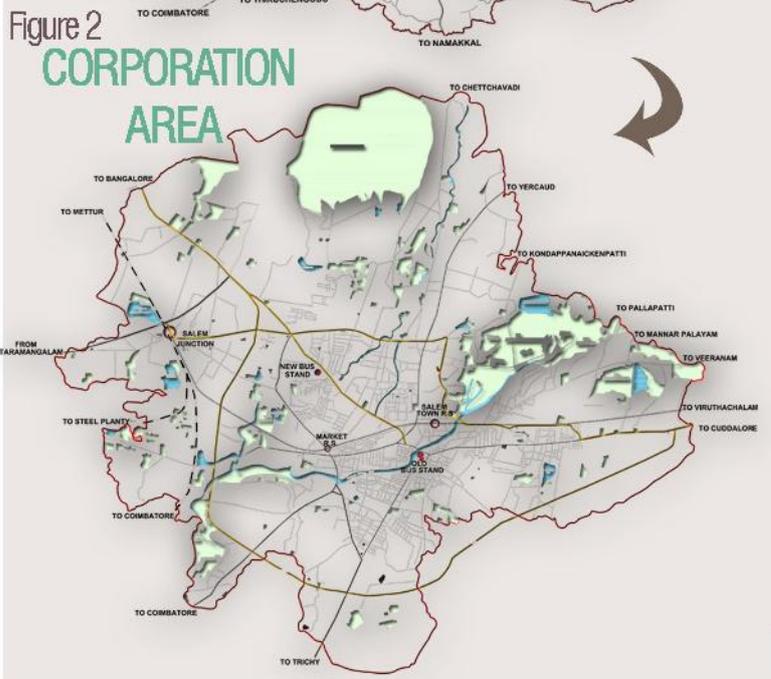
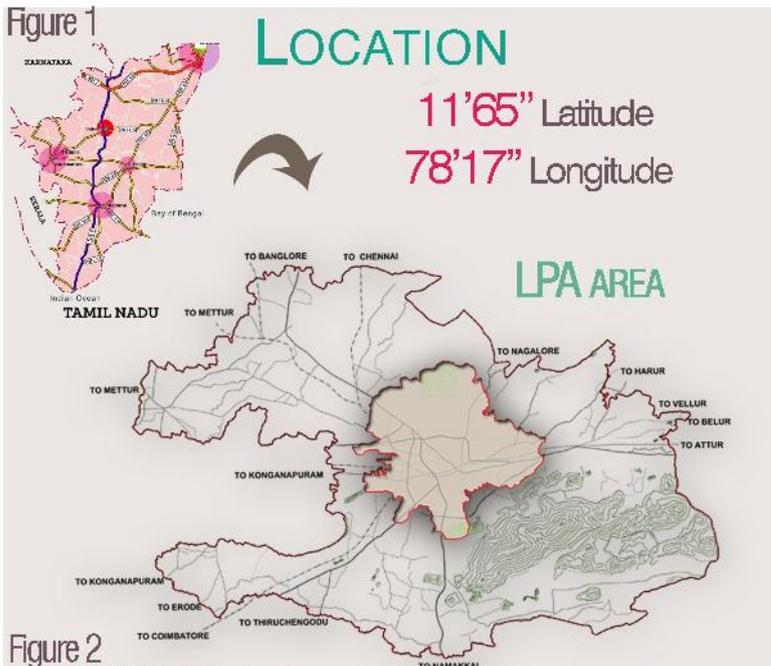
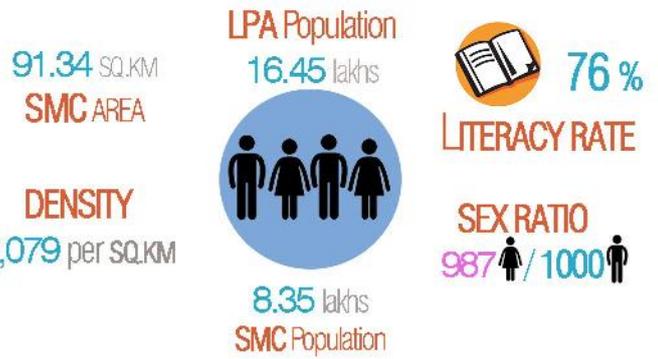


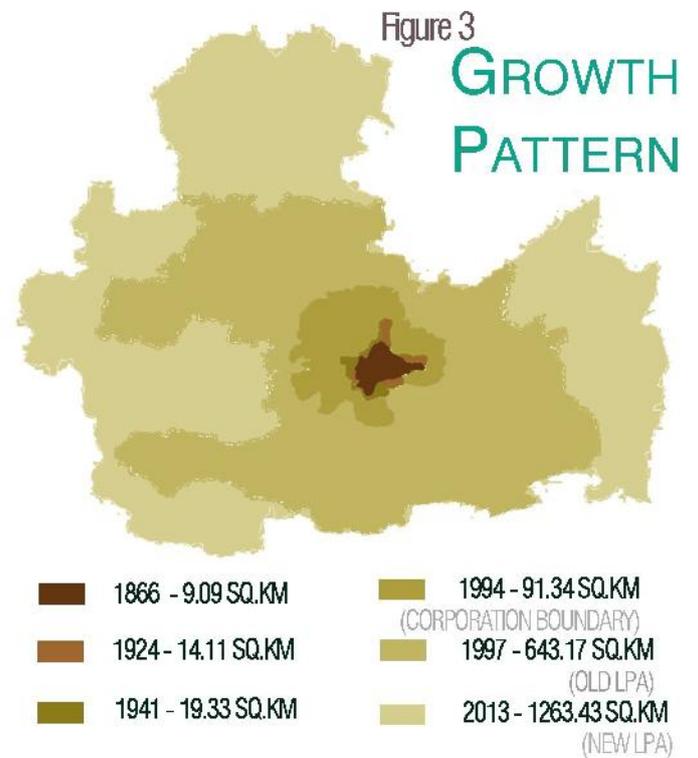
SALEM – CITY PROFILE



DEMOGRAPHIC FEATURES



21.2% population live in slums



Average rainfall
920 mm

Contour range
262m - 290 m



4 sides surrounded by Mountains

Fairly undulated

Iron ore & Magnesite deposits

MINERALS

WATER SUPPLY

Household Coverage **31%**
Online billing efficiency **100%**
Supply frequency **2 - 4 days**
NRW Reduction **15%**



Storm water coverage **58%**

MOBILITY

Modal Split of Public and Private transportation
Intercity bus services/day
Share of trips by NMT

45% : 55%
2938
31%

AMENITIES



40% production increase



135 Lpcd



80% efficiency



748 km of road network



4th largest junction in TN



Yercaud & Mettur dam

SALEM – CITY PROFILE

fig 4 : DENSITY MAPPING OF SALEM

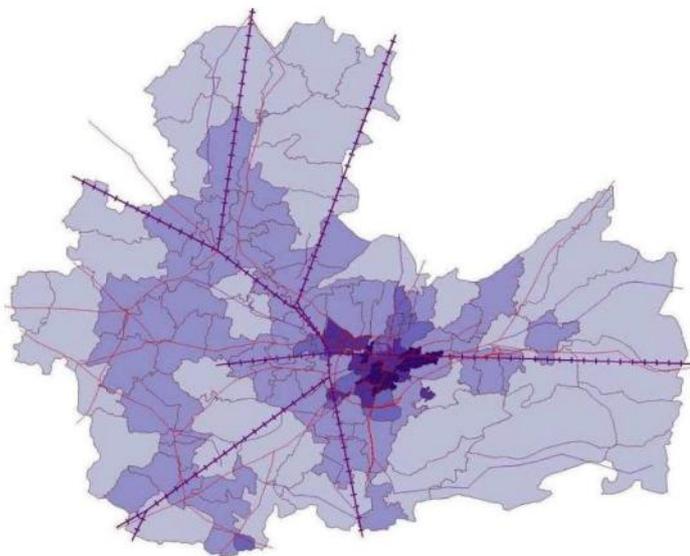


fig 5 : EXISTING FOOTPATHS

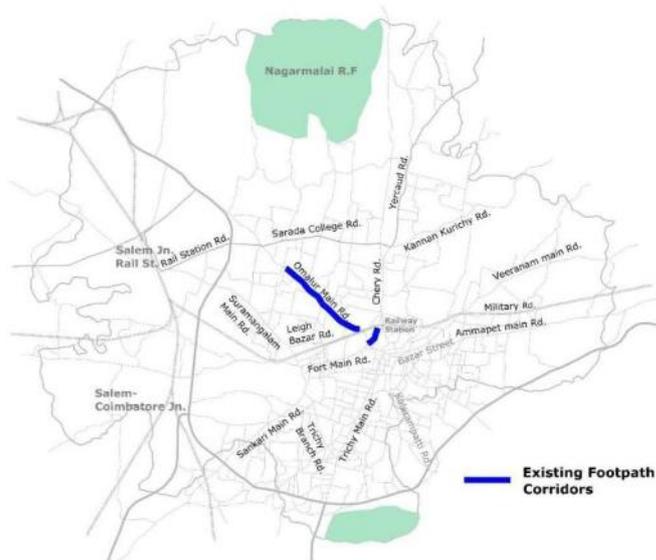


fig 6 : ORIGIN – DESTINATION DIAGRAM

fig 7 : CURRENT CITY BUS ROUTES

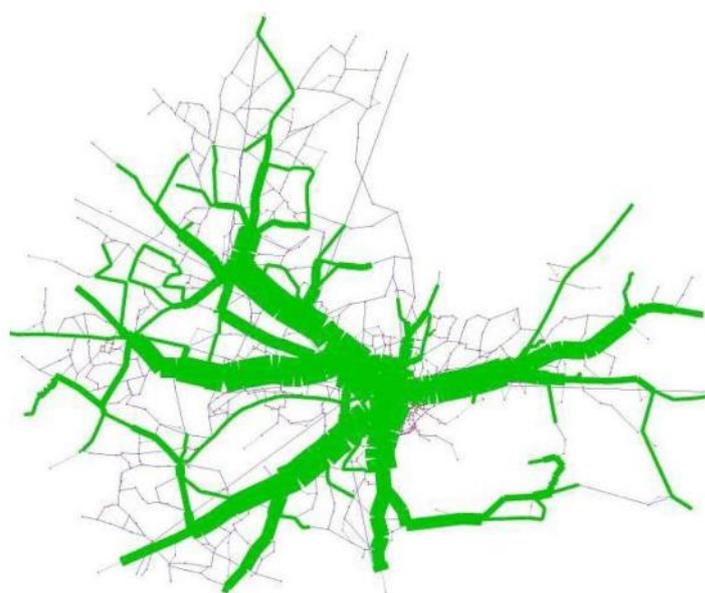
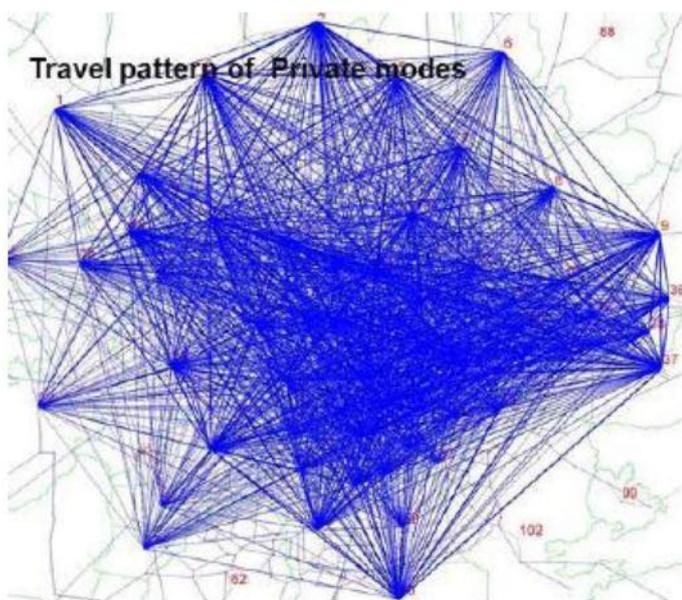
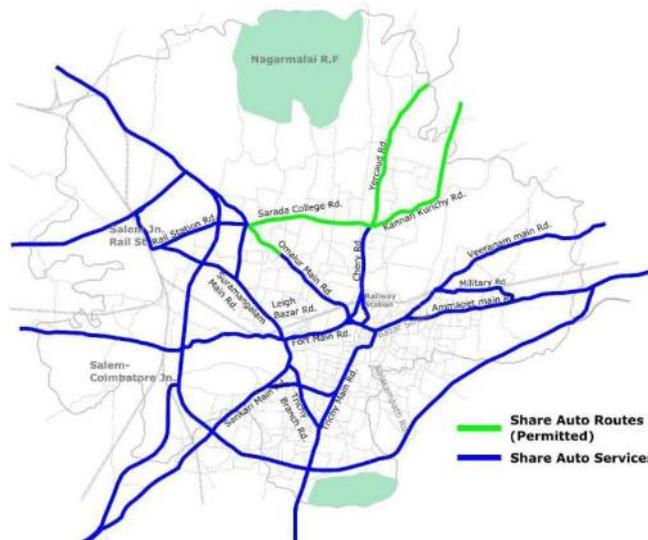
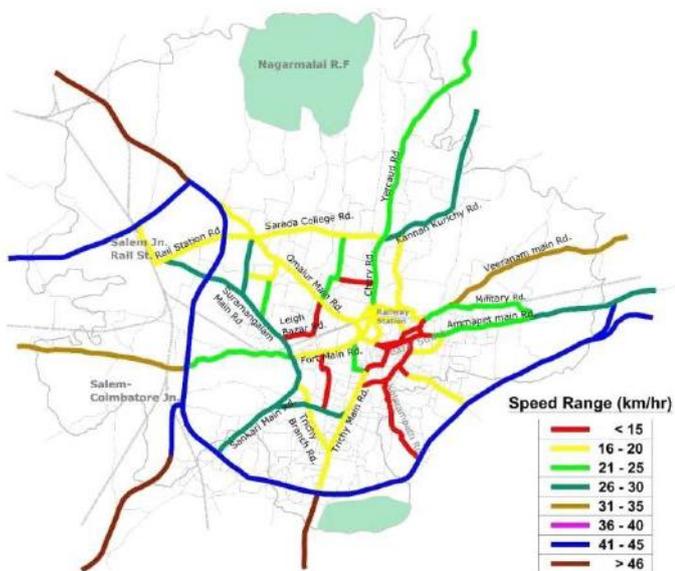


fig 8 : SALEM CORE CITY : TRAFFIC SPEED

fig 9 : I.P.T ROUTES – SHARED AUTO



STAKEHOLDER CONSULTATION

CONSULTATION WITH STATE - LEVEL DEPARTMENTS & ASSOCIATIONS

22nd Sept. 2015

Citizen Awareness Workshop

25th Sept. 2015

Consultations with Collectorate,
Line Depts & Corporation Staff

5th Oct 2015

Smart City Awareness for Public



Fig 10 : FDG DISCUSSION

THE HINDU

NATIONAL • TAMIL NADU

Published: October 6, 2015 00:00 IST | Updated: October 6, 2015 05:36 IST October 6, 2015

Salem Corporation elicits public opinion

• Staff Reporter



General Secretary, Salem City Chamber of Commerce, A. Jayaseelan, speaking during the consu Monday — PHOTO: F. IAKSHMI NARAYANAN

THE HINDU

NATIONAL • TAMIL NADU

Published: December 15, 2015 00:00 IST | Updated: December 15, 2015 05:34 IST SALEM, December 15, 2015

Rs. 2,162-crore projects proposed to make Salem a smart city

• Staff Reporter

THE HINDU

NATIONAL • TAMIL NADU

Published: October 26, 2015 00:00 IST | Updated: October 26, 2015 05:34 IST SALEM, October 26, 2015

All hopes on Smart City project

• Staff Reporter

If things go well and the City Municipal Corporation gets selected for the smart city project, then the River Thirumanimuthar will get a new lease of life.

Fig 11 : AWARENESS THROUGH PRESS

COMPETITIONS

Essay competition, Model Making competition and Tag Line competition where held for school students and college students in order to create awareness.



Essay Writing Competition for Salem Smart City - My City My Pride

51

Essays submitted

73

Views posted



My Salem - My Pride

Process

Fig 12 : COMPETITIONS FOR SMART CITY

2% of population participated in the competitions held against the expected 5% participation.

OFFLINE - 5 polling stations were set up in the city and questionnaires were distributed to people and their opinions were collected.

ONLINE - Online survey through Survey Monkey was conducted and the same was published in MyGov website as well as through Salem Smart City Facebook Page.



Fig 13 : ONLINE POLLING THROUGH FACEBOOK





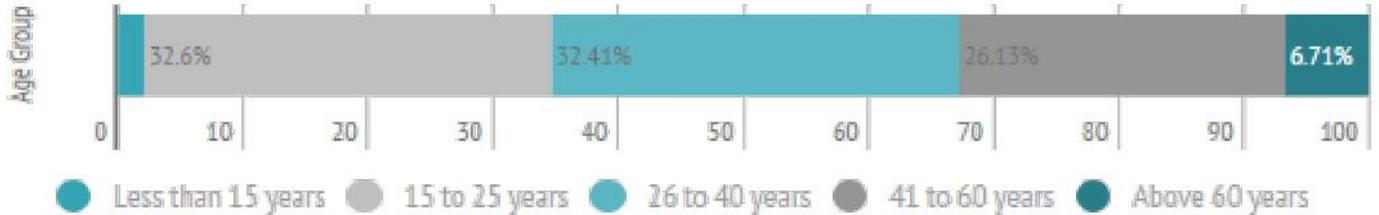
CITIZEN ENGAGEMENT

- RESPONSES



17,165

Total Responses



● Less than 15 years ● 15 to 25 years ● 26 to 40 years ● 41 to 60 years ● Above 60 years



Fig. 13 : Citizen Outreach & Response

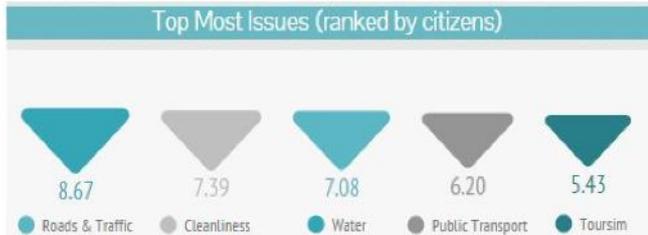
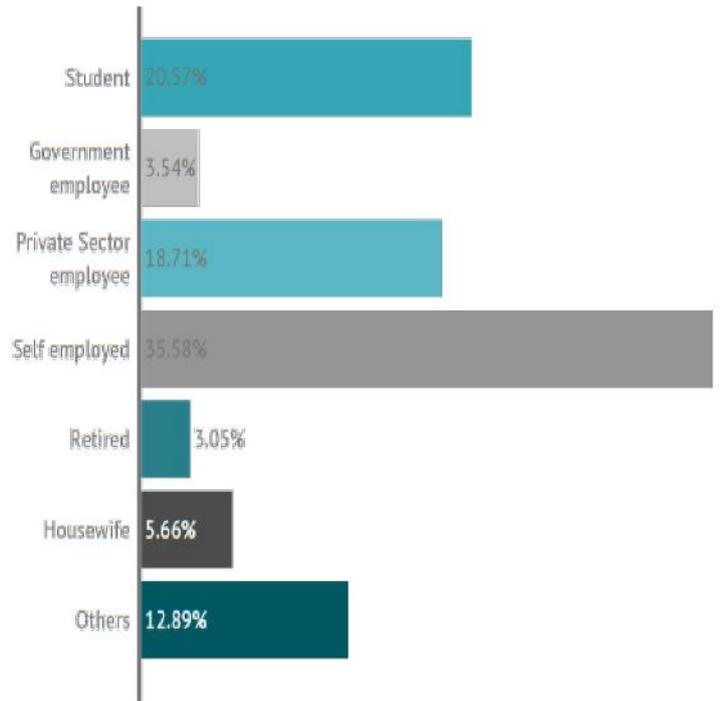
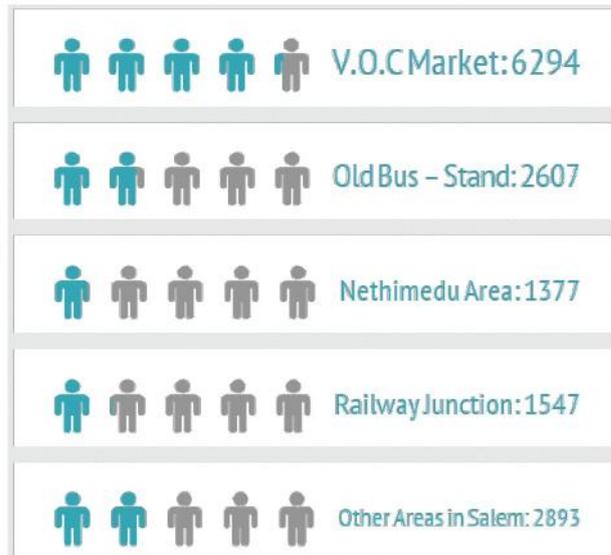


Fig. 14 : Top Votes by Citizens



Areas for Development (voted by citizens)

Fig. 15 :



Other areas: Chinnammalayam and Appavu nagar , elevated area adjacent to Burn & Co., Chinnakollapatty Kannankuruchi Main Road, Johnsonpet Area - Kothadimai Colony Indira Nagar, Kumaragiri Eri area and Dhadhubaikuttai Area Pulikuthi Streets

4,588
Addl. ideas/suggestions



UNDERSTANDING THE PROPOSED AREA

LANDUSE OF ABD

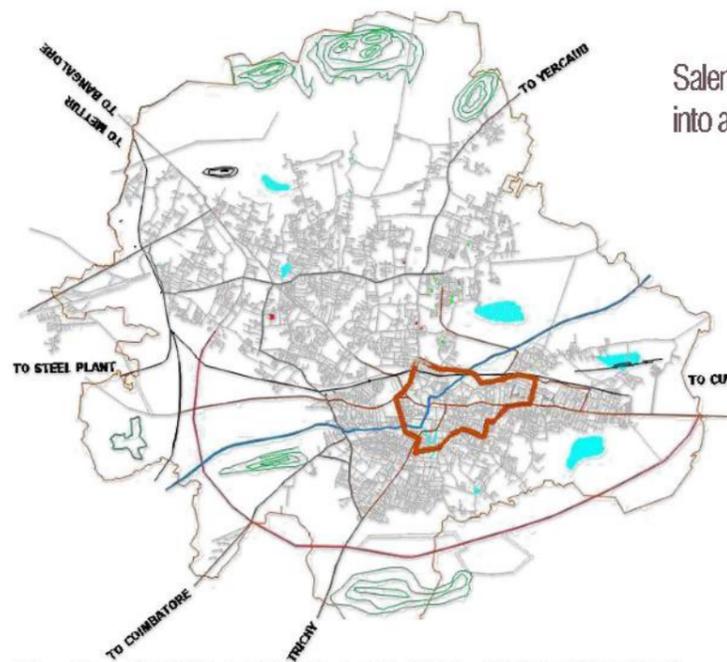


Fig 17 : SCMC BOUNDARY AND COMPONENTS EXPANSION STARTED FROM THIS OLD CBD

ABD AREA **2.5** |sq.km

Salem's proposal envisages to retrofit the **core city area of 690 acres** into a vibrant commercial business center by providing an

- enhanced core infrastructure with ICT based solutions
- Development of a transit hub with multi modal integration coupled with ICT solutions
- Transformation of the city into congestion-free- ZEZ and greener.
- Development of commercial markets, River channels and open spaces .

POPULATION DENSITY **28,518** per sq.km



POPULATION **71,295**

ward number 31, 34, Part of 11, 12, 14, 32, 33, 35, 41, 42, 43, 44, 45, 46.

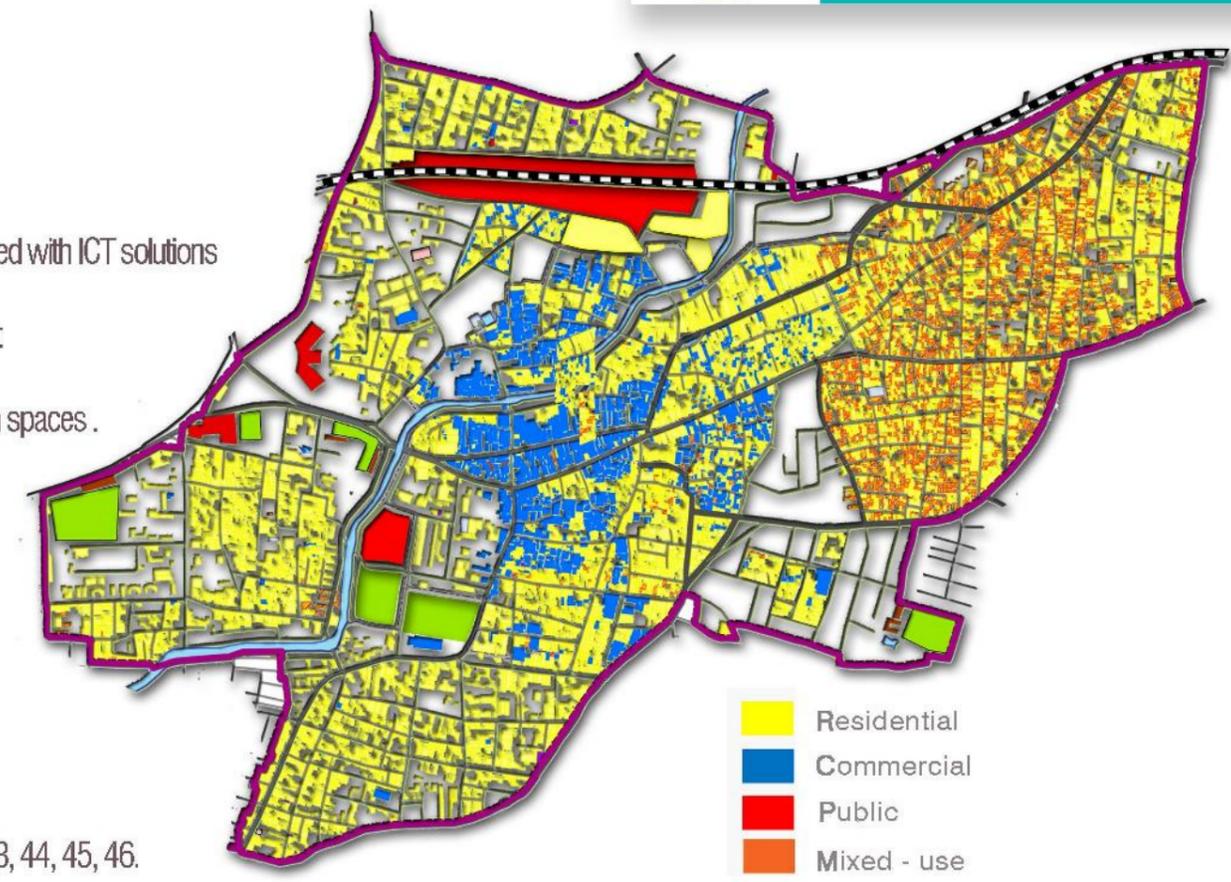
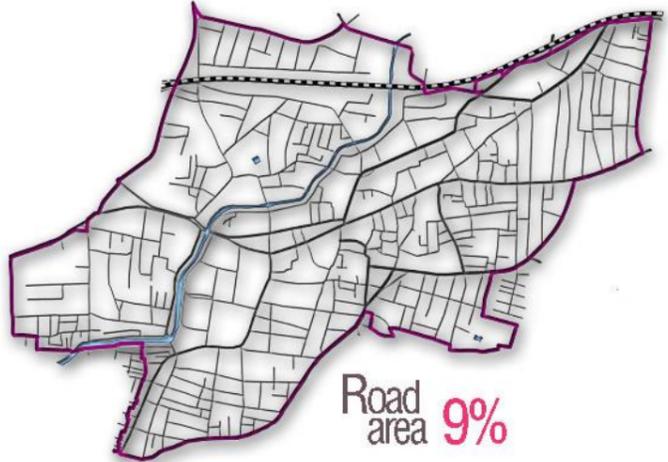


Fig 18 : ABD AREA WITH LAND USE

ROAD NETWORK

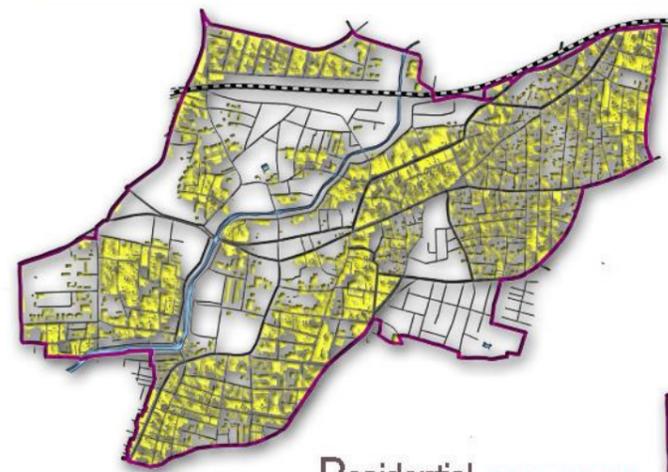
The **desired lines** were along the **CBD area**. Well connected and accessible roads
Major roads – Bazaar Street, Agraharam Street, Chinnakadai veedhi, Fort road.



Road area **9%**

ISSUES Hap-hazard parking, lack of space for pedestrians, Increasing congestion, no city wide PT service.

RESIDENTIAL



Residential Area **70.32%**

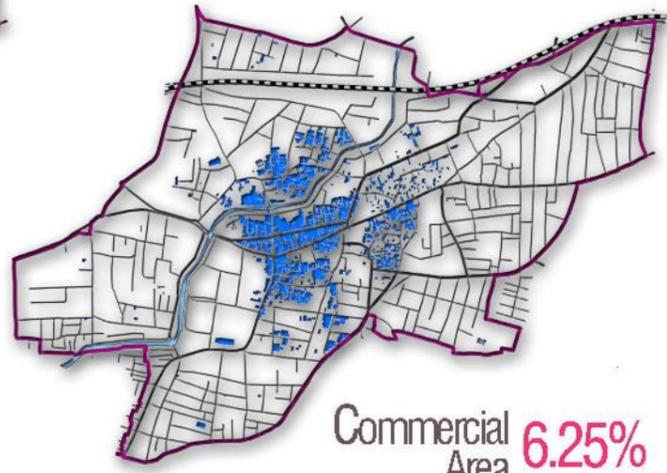
Mix of **all income groups**

Heritage area - Presence of ancient Hindu temples

ISSUES Improper Solid waste management ,traffic congestion, Water supply interval 2-3 days and low quality of living.

COMMERCIAL

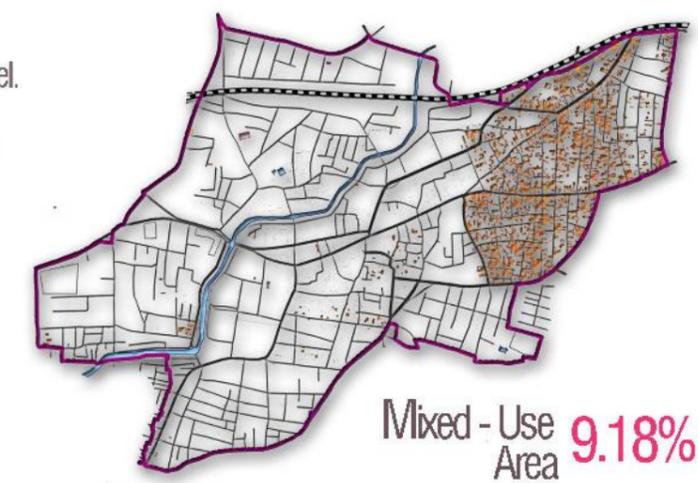
Oldest Business centre of the city
Availability of all food products - Retail and Whole sale level.



Commercial Area **6.25%**

ISSUES Traffic congestion , Improper Market waste management, No facilities for Pedestrians ,Hawkers Encroachments , Spatial congestion and unhygienic environment.

MIXED - USE



Mixed - Use Area **9.18%**

The city is renowned for **silk and cotton handlooms**
Nearly **5000 family** -profession of manual weaving.

ISSUES Requires Skill development, Training centers, Requires Modernization of equipments to promote their business.

AREA DEVELOPMENT : SITUATION ANALYSIS

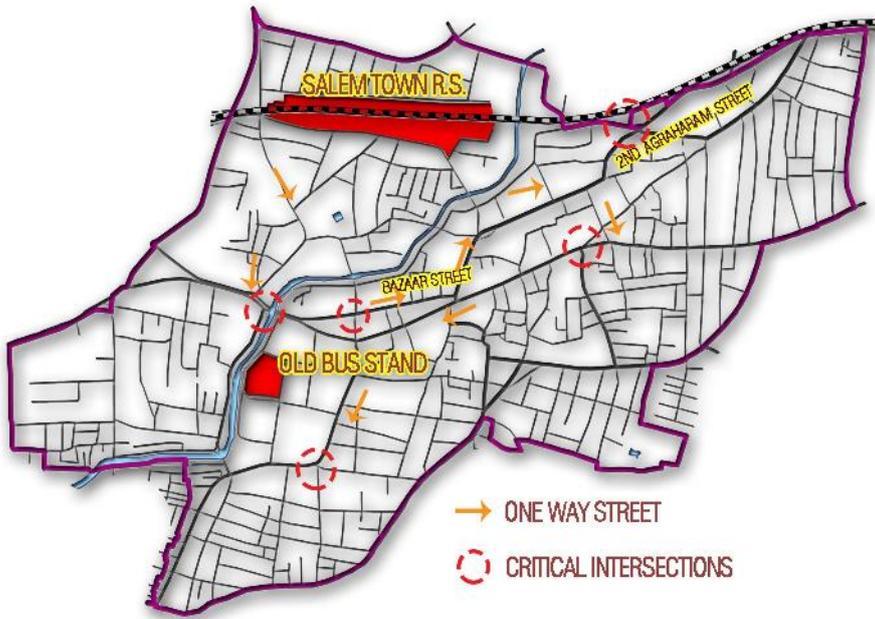


Fig 19:
MAP SHOWING TRAFFIC MOVEMENT PATTERN & CRITICAL INTERSECTIONS

TRAFFIC CONDITION:

Congestion in junctions due to the mixed traffic on narrow roads – Pedestrian, Private vehicles, Public Transport, IPT & Freight traffic.

Haphazard parking of two-wheelers on either sides of the road and on all major market roads.

Use of **open grounds** for surface parking.



View of Car Street



View of Street Enroachment



View of Bazaar Street



View of Surface Parking Shed near Bus-stand



View of Un-regularised Parking



View of Bus Shelter

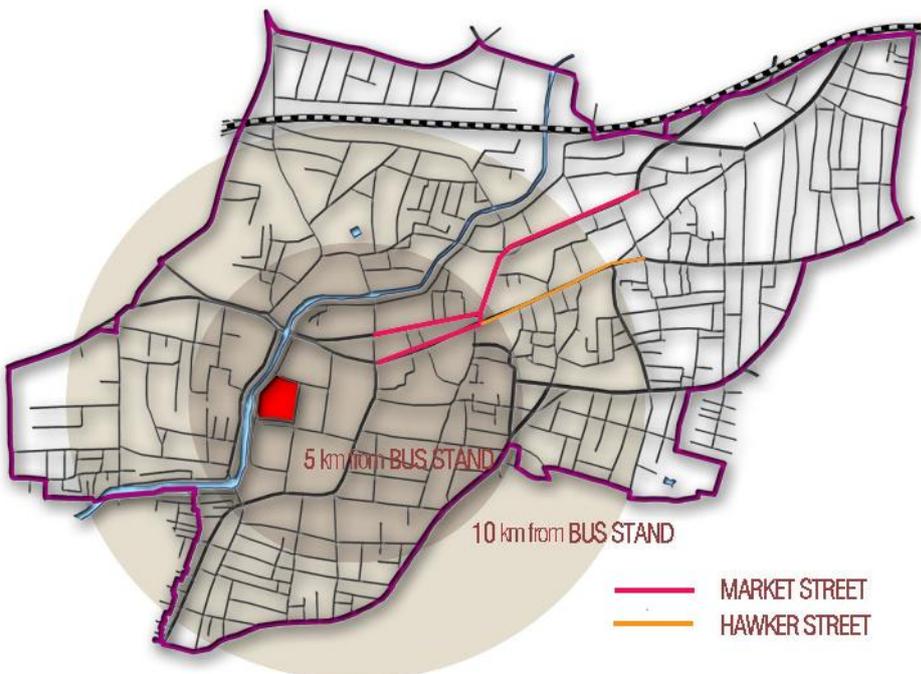


Fig 20:
MAJOR COMMERCIAL STREETS WITHIN ABD AREA

MARKETS & PUBLIC TRANSPORT:

Inter-city and intra-city buses exit from the Old bus stand through the major roads.

City level wholesale markets such as – Victoria Market, V.O.C Market, Leigh Bazaar and Retail Markets for garments, jewellery & perishables

AREA DEVELOPMENT : KEY ISSUES

STREETS & TRAFFIC



fig 21 :
OMALUR MAIN ROAD

branches out from the NH7 and it is one of the major roads that brings traffic into the study area. It is one of the transport corridors along which growth is concentrated.

It is a 4 lane carriageway with a V/C ratio of **1.1**.

The speed range is observed to be **16-20 Km/hr.**

The no. of pedestrians on the road is about **2450/direction/hour.**



fig 22 :
AGRAHARAM ROAD

is characterised by high traffic, narrow roads, presence of junctions at close intervals, heavy pedestrian movement, haphazard parking etc. Several small market hubs exist on this road. Bicycle traffic is highest, but there are no dedicated facilities.

Onstreet parking is one of the highest in the city, about **63 PCE.**

Vehicular speed is around **15 km/hr.**

The no. of pedestrians on the road **1938 /direction/hour**



fig 23 :
BAZAAR STREET

is also characterised by high traffic, narrow roads, presence of junctions at close intervals, heavy pedestrian movement, haphazard parking, bus stops on main roads, etc. Bazaar street has several small markets.

Onstreet parking is one of the highest in the city, about **98 PCE.**

Vehicular speed is around **15 km/hr.**

The no. of pedestrians is **1490/direction/hour**

INFRASTRUCTURE



fig 24 : OPEN DRAIN, OVER HEAD ELECTRIFICATION

- **No existence of UGD** in the area. Only underground water supply network.
- Sewage released into **open drain & mixed with storm water**. Drains often **choked** due to solid waste dumping. Drains **overflow** during monsoons.
- **Power cables and running overhead** – both in residential and commercial areas.
- Most Bus stops in the area are **without Bus Shelters & Bus Bays.**

RIVER CHANNEL



fig 25 : VIEW OF RIVER CHANNEL

- Width of the stretch in the study area – **30m**. River bunded on either sides under JnNurm scheme.
- **Encroachment and untreated sewage water** discharge from the surrounding areas.
- Under **Flood Protection Scheme**, cement lining of the river and strengthening of river beds.

AREA DEVELOPMENT : PROPOSAL OUTLINE

Retrofit the core city area of 690 acre into a vibrant commercial business center by providing enhanced infrastructure with ICT based solutions.



Allocation of Space for retails
Hawker zone with Smart Vending Cart

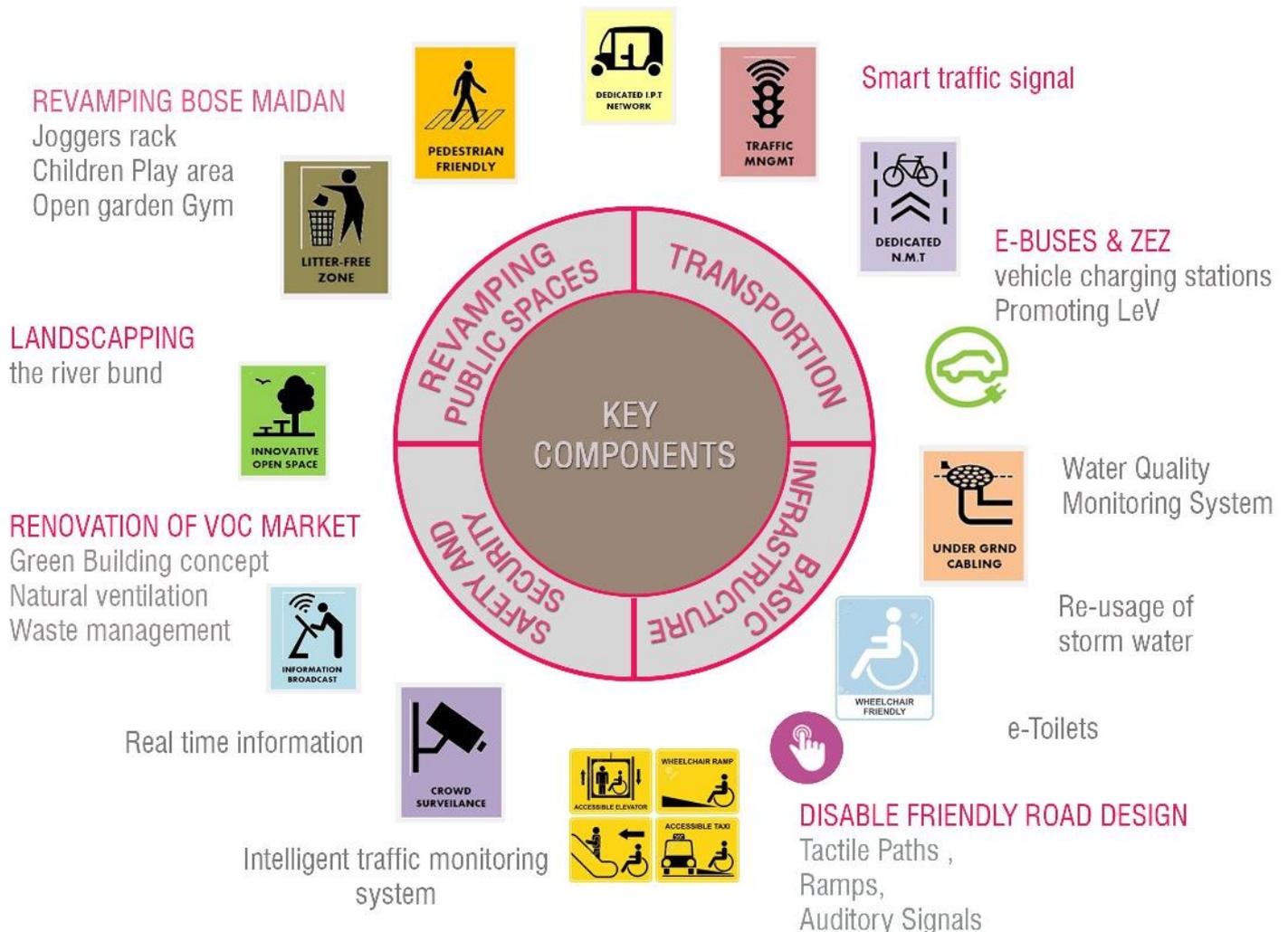


Fig 26 : KEY COMPONENTS OF ABD PROPOSAL

AREA DEVELOPMENT : KEY INTERVENTIONS

SMART STREET DESIGN

Fig 27: TYPICAL STREET DESIGN

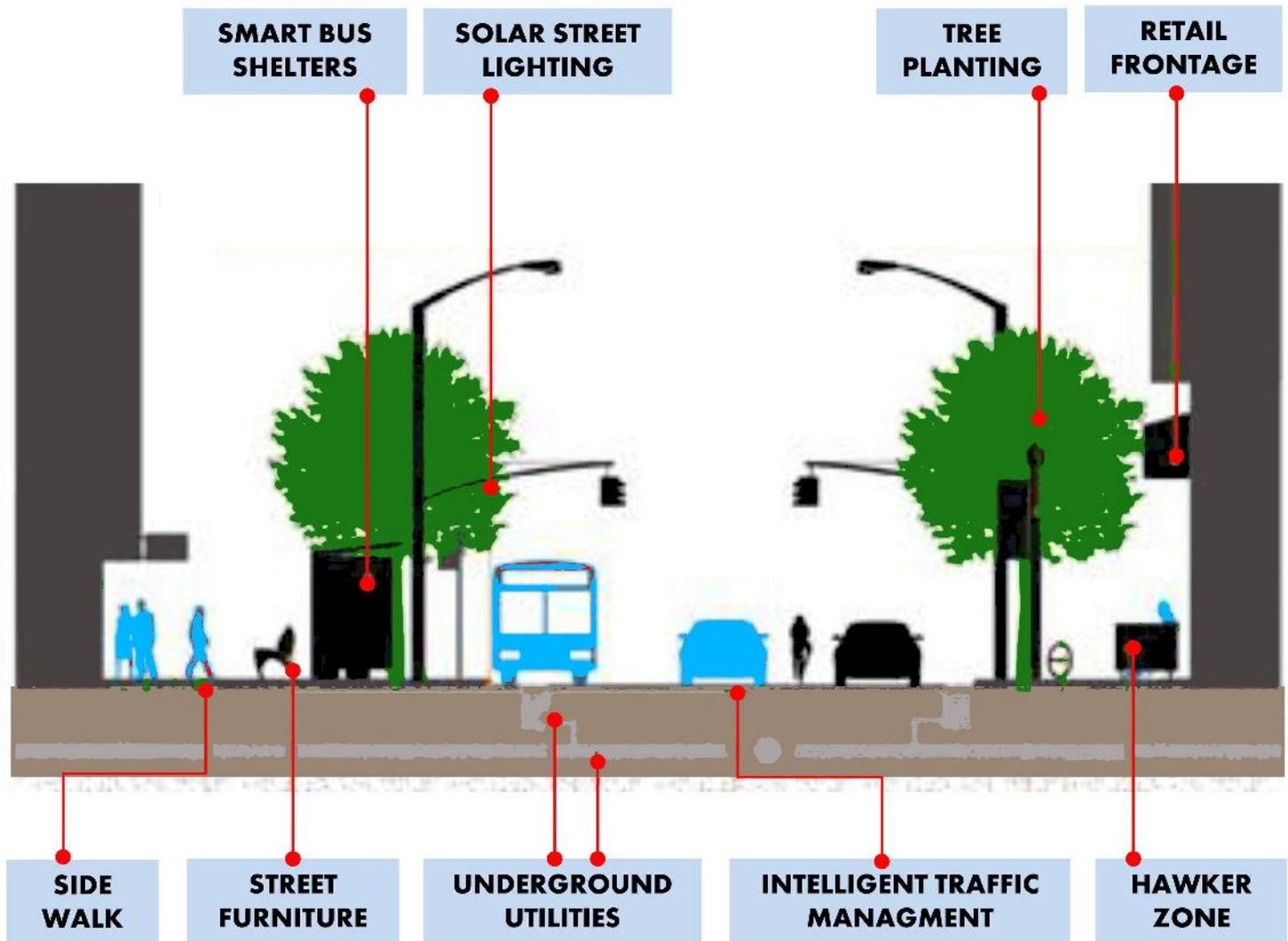


Fig 28: ESSENTIAL FEATURES



Considerations

- Smart Infrastructure with Underground Duct for all utilities.
- Limited on-street parking
- Time based freight traffic management
- Improved pedestrian amenities
- Improved last mile connectivity
- Dedicated hawking spaces
- Solid waste and storm water management

Ordinance changes for TOD

- Increase in FSI along transit corridor
- Zero front setback
- Increase in building height
- Minimised landuse conversion charge
- ZEZ - permission for ZeV only along market area
- Shop frontage development



AREA DEVELOPMENT

Transit Hub

Transit Hub represents a comprehensive approach to developing the **compact, mixed-use, and pedestrian-friendly neighbourhoods** with a variety of housing types, workplaces, shops, entertainment, schools, parks, and civic facilities, all within a 5 to 10 minute walk



Figure 29 : Salient Features of Transit Hub

Source: ITDP Transit Hub Standards

Key components are:

- **Streets:** Designed for safe and efficient mobility of all users to minimize conflicts between modes.
- **Mixed Use:** A mix of diverse uses is preferred to segregating uses. Active uses, such as retail to be located at ground level along primary pedestrian frontages.
- **Open Spaces:** A diversity of public places, including open spaces and civic uses, encourages social interaction and community participation.

PROVIDING BETTER QUALITY OF LIFE

- By improving the infrastructure and amenities to state-of-the-art.
- By smart mobility to improve connectivity.
- By providing well-planned streetscapes
- Activating open spaces with public interface
- By providing smart infrastructure and technology solutions

91.3 km²
Of City Impact

12 acres
Transit Hub

10 acres
Public Space

1.5L sq.ft
Leasable Space

900 nos
Parking

INTEGRATE PUBLIC TRANSPORT

INFRASTRUCTURE

ORGANISE HAWKERS

OPEN SPACES

REVENUE

Relocate **wholesale** markets

Increase in property **rates**

Smart networking

Integrated Bus Terminal

Integrated **Retail** zones

Providing **city spaces** for all

Improved **Connectivity** and **Parking**

Additional Rentable **Floors** created

ENHANCING QUALITY OF LIFE



AREA DEVELOPMENT :
Transit Hub

PAN – CITY INITIATIVES : IMPACT OF TRANSIT HUB ON THE OVERALL CITY

The proposal for the area based model, aims at transforming the character of public transport in the city, by creation of Transit Hubs across various nodes in the city. Also, Integration of railway & shared autos in the transit scheme. With the City Bus Terminal being the Focal Hub, looping of new routes & terminals.

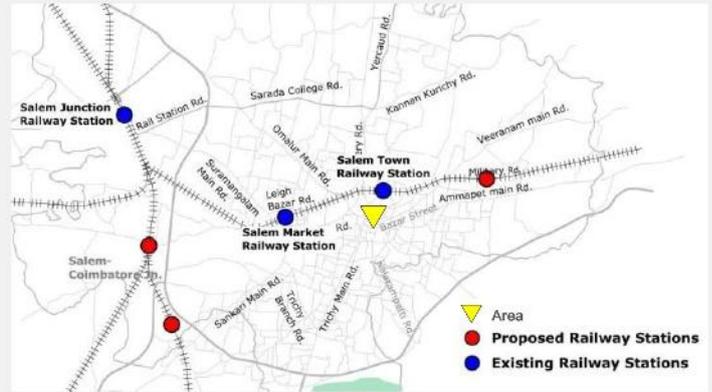
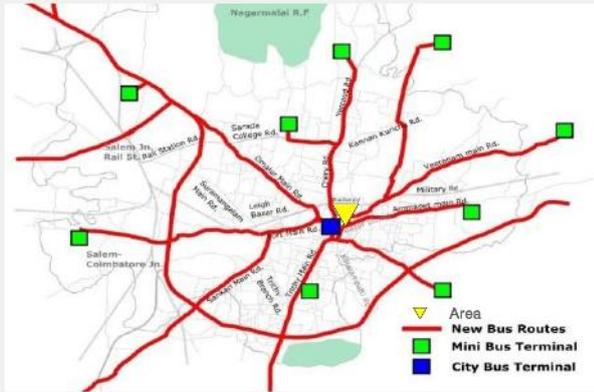


Figure 30 : Proposed Bus Terminals & Railway Stations across the city.

Source : Salem C.M.P. Jan 2015

TRANSFORMATION OF OLD BUS STAND : UNDERSTANDING THE AREA



Figure 30 : Map showing the Transit Hub

- **Land Details :**
Land Area = 2.25acres
Built up Area = 12,000sqft
No. of bus bays = 32
No. of buses = 158
(TNSTC-148, Private-10)
- **Traffic Details :**
Peak hour avg. speed :
less than 15kmph
- **Parking :**
Paid Parking at Bose Maidan
On-Street Parking at
Bazaar St, 1st Agraharam St.
- **Amenities :**
Cloak room, Pay & Use Toilet,
Cycle & Taxi Stand (10 bays)



Fig. 31 :

PHASE-WISE IMPLEMENTATION

PHASE 01	PHASE 02	PHASE 03	PHASE 04
<ul style="list-style-type: none"> • Amalgamate the areas around the existing bus stand. • Demolish the old Lodges, Shopping Centre • Retain the Police station and Post Office • Plan for an Integrated Bus Terminal with MLCP & Retail Upper Floors 	<ul style="list-style-type: none"> • Preparing a traffic management and circulation plan. • Creating separate zones for entry and exit of – <ul style="list-style-type: none"> • State buses, • Private buses • Autos • Pedestrians • Providing parking areas (Basement / MLCP) 	<ul style="list-style-type: none"> • Improving the spatial quality of Bose Ground • Dedicated areas for holding / waiting bay around Bus stand • Pedestrian connect to the Market. • Integrating the areas in VOC Market and create a landmark. • Create a multi-modal transit loop. 	<ul style="list-style-type: none"> Regulations on future development in the <ul style="list-style-type: none"> • integrated market areas, • Bus terminal circulation • dedicated parking zones, • traffic management, • pedestrian circulation • Improve quality of life



INTEGRATED TRANSIT HUB

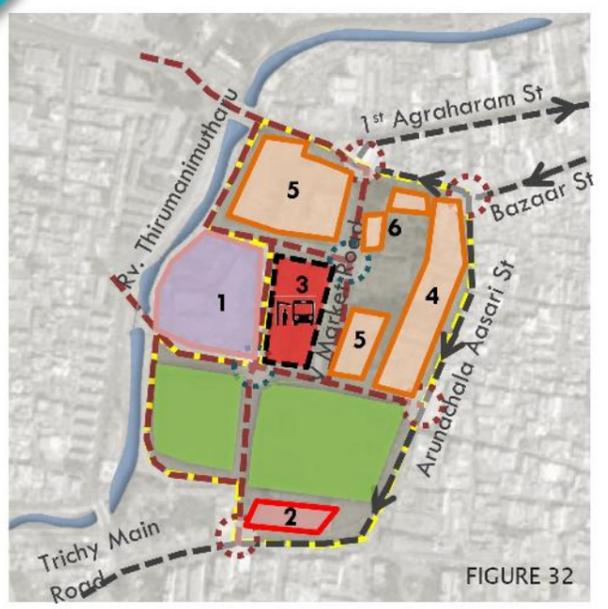


FIGURE 32

STRUCTURES TO BE RETAINED

- 1. VICTORIA SHOPPING MARKET
- 2. NEHRU KALAI ARANGAM

STRUCTURES TO BE AMALGAMATED

- 3. OLD BUS STAND
- 4. LODGES (NOT IN USE)
- 5. COMMERCIAL ESTABLISHMENTS
- 6. POLICE STATION & POST OFFICE



FIGURE 33

INTEGRATED BUS TERMINAL (12 ACRES)
INCLUDES :OLD TOWN BUS STAND, POST OFFICE, POLICE STATION, ADDITIONAL RETAIL FLOORS & MULTI-LEVEL CAR PARKING

BOSE MAIDAN (10 ACRES)
INCLUDES :PUBLIC PARK, AMPHITHEATRE, KALAI ARANGAM

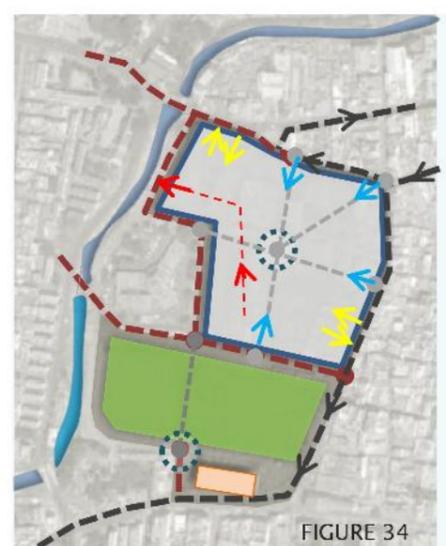


FIGURE 34

TRAFFIC MANAGEMENT

- Bus Entry & Exit
- Parking Entry & Exit
- Pedestrian Entry & Exit

- Priority to Pedestrian s
- Segregated entry-exit for : State, private, autos & parking
- Limiting thorough fares
- Junction improvement



Image Source: Better Streets Design, San Francisco

Pedestrian Friendly Streets....

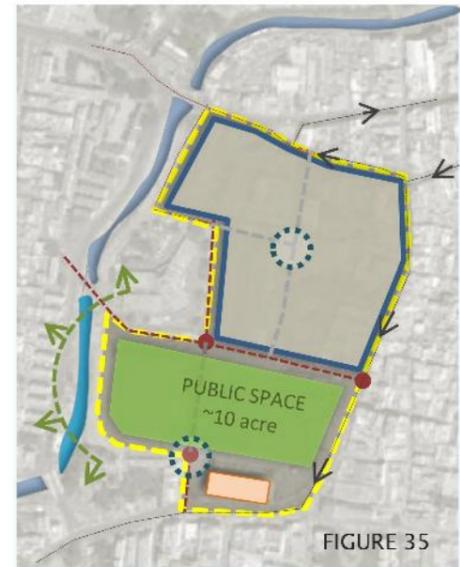


FIGURE 35

COMMUNITY SPACE

- Public space by the river front
- integrated bus stand

- Unified area of Bose maidan
- Integration of Kalai Arangam
- Creation of city – level public space
- Vista potential of river channel



Image Source: Better Streets Design, San Francisco

Extending the Vista beyond....

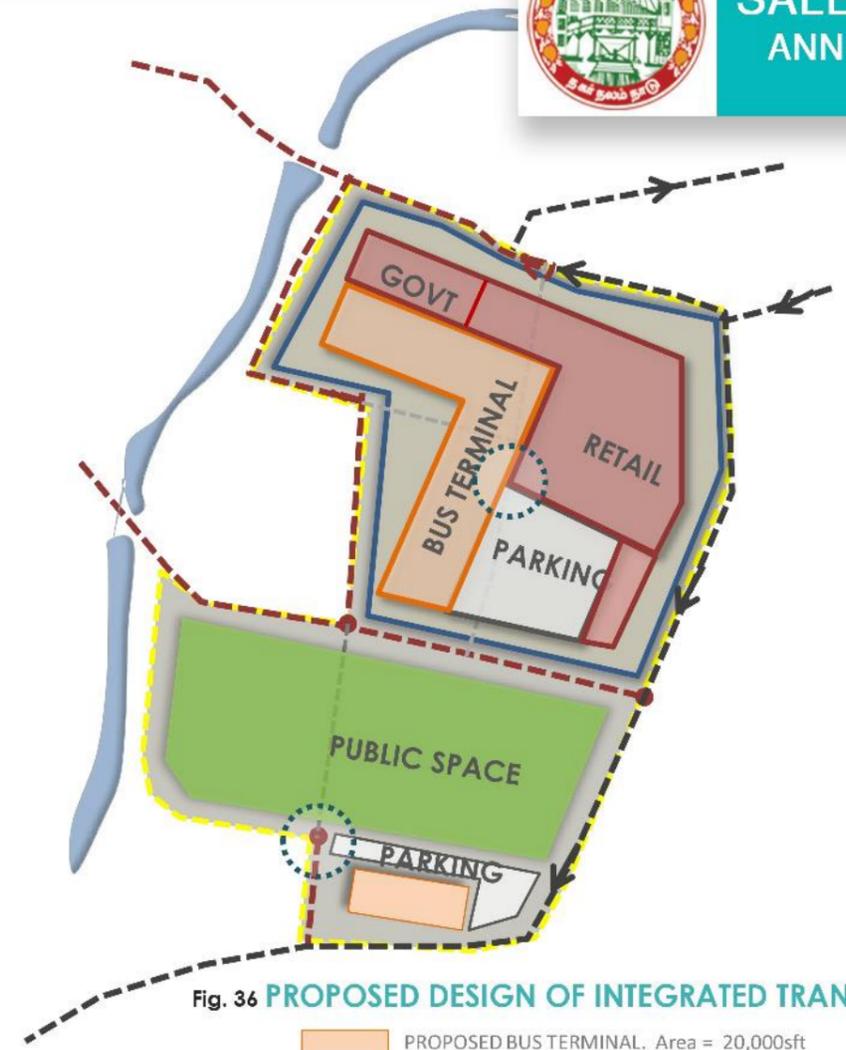


Fig. 36 PROPOSED DESIGN OF INTEGRATED TRANSIT HUB

- PROPOSED BUS TERMINAL. Area = 20,000sft
- PROPOSED RETAIL / OFFICE Area = 1,90,000sft
- PROPOSED PARKING. Area = 6,000 sft

APPROACH

Proposal for vertical hierarchical zoning of integrated uses, based on traffic volume, public & semi-public spaces.

- Zoning of integrated uses
- Create active street frontage
- Provide required amenities
- Accounting for future growth
- Avoiding bus pile up on streets

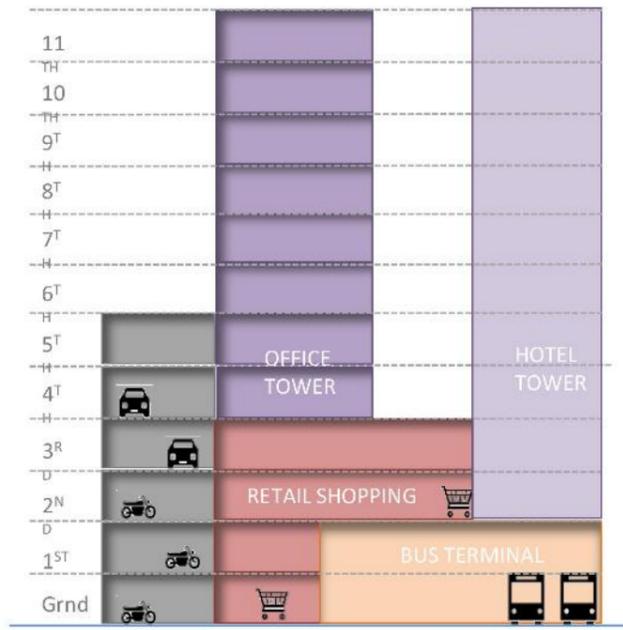


Fig.37 Schematic Section Showing Vertical Zoning

AREA DEVELOPMENT : REVAMPING PUBLIC SPACES

REJUVENATION OF THIRUMANIMUTHARU RIVER BUND, BOSE MAIDAN AND VOC MARKET

Expanding the **visual potential** of Thirumanimutharu river bund from the proposed **Transit Hub area**, as well as act as an extension to the **open space (Bose Maidan)**.

The currently banded channel can be enlivened by creating **active public plazas**.

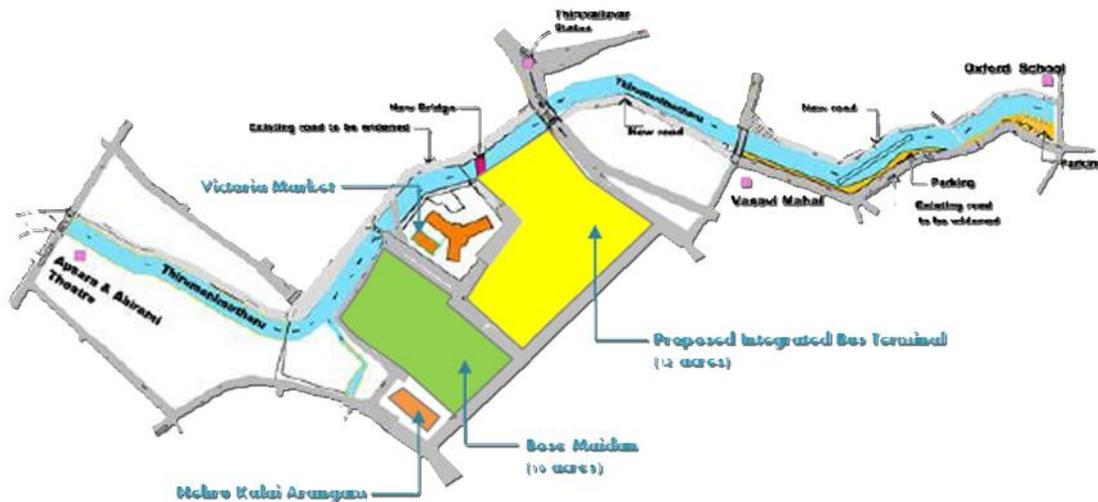


Fig 38 : Current scenario of Thirumanimutharu River

Redevelopment of uncluttered Bose Maidan into a **creative recreation place (10acre)** Children Play area, Open garden Gym, Joggers rack.

Fig 40 : Reference Visual of possible Bose Maidan



Fig 41 :Reference Visual of VOC market



Fig 39: View of existing river bund



Rejuvenation of Thirumanimutharu river bund of 6km, **landscaping the surroundings and redevelopment of surrounding areas.**



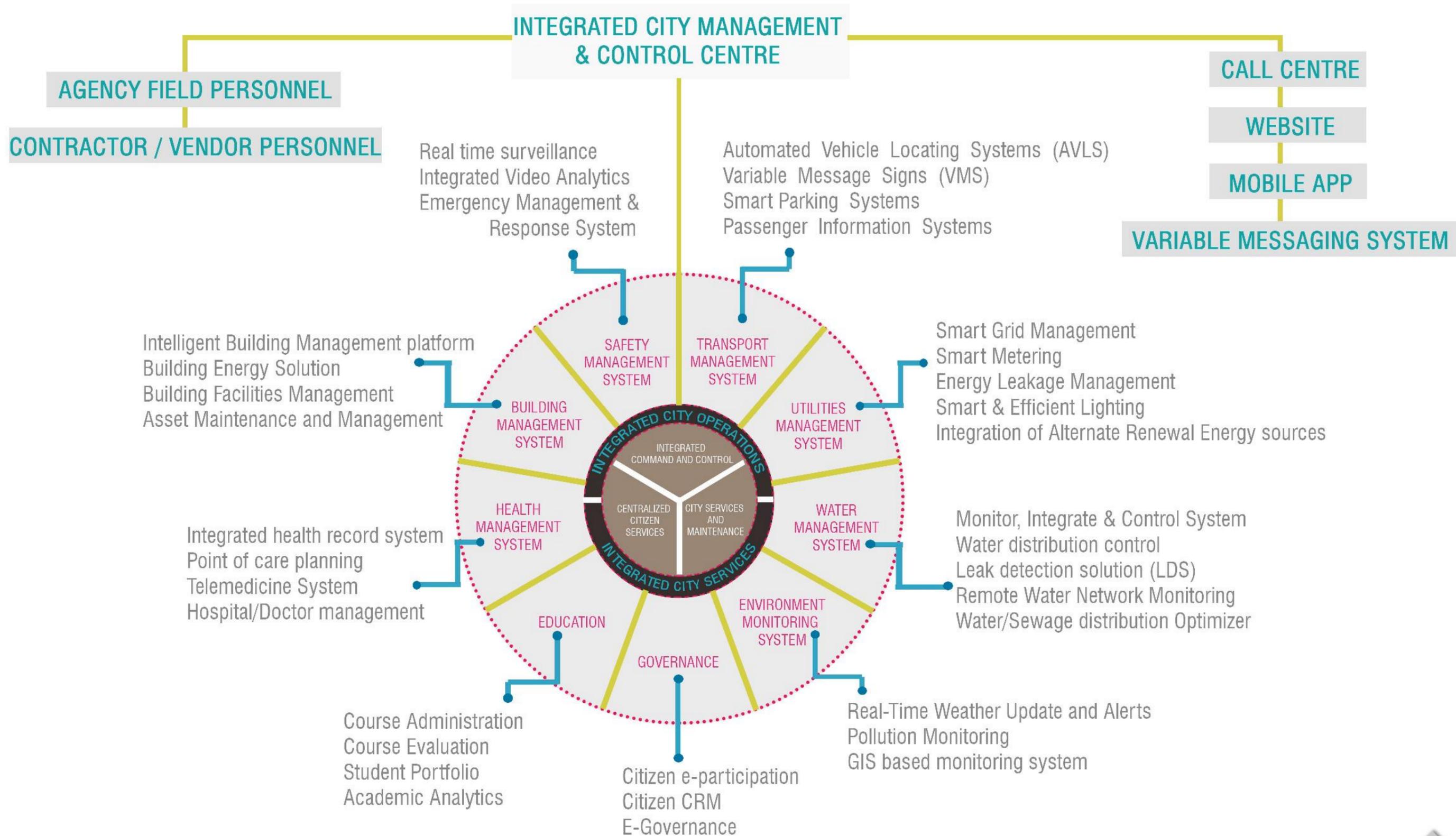
Fig 42:Reference Visual of possible river channel improvement

Construction of **Commercial Tower and Renovation of VOC Market** based on Green building technology ,Natural ventilation , Waste management.



PAN CITY : COMPONENTS

Fig 43: KEY COMPONENTS OF PAN-CITY PROPOSAL



PAN CITY : PROPOSALS



Fig 44: SMART METERING

WATER SUPPLY

24/7 water Supply with 100% coverage

Dual water supply lines with Smart Metering and SCADA system

Water Quality Monitoring System .

STORM WATER DRAIN

100% Coverage of Storm Drains and Rain water harvesting system in all the buildings

Efficient Contour based design for SWD network using GIS and integrated with canals

Reusage of storm water.

SAFETY AND SECURITY

Installation of Multi use CCTV cameras for security, video based analytic surveillance and traffic monitoring.

Installation of Unified Poles with solar powered LED Lights, Variable messaging system (VMS), Public Address system (PA), Variable Sensors etc,

Immediate response system, ensuring road safety measures, specialized women and child security measures and frequent interactions / feedback with elderly group associations

A robust CCTV surveillance system with a centralized control room and specialized staff which will monitor various locations within the city.



Fig 45: BHOOMI

E - GOVERNANCE

Digitization of records
Provision of kiosks for easy access
Land record Modernization

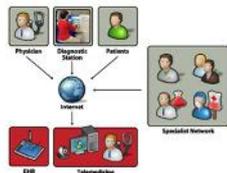


Fig 46: ONLINE PORTAL

HEALTH CARE

Tele medicine (diet nutrition)
e-health record
Online City health portal.



Fig 47: SMART CLASSROOM

EDUCATION

Smart classrooms
e-books
performance management solution

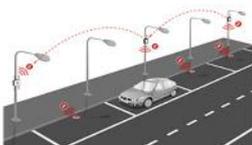


Fig 48: SMART PARKING

PARKING MANAGEMENT

Sensors & cameras for data collection on parking lot capacity & availability.
On-Street
Off Street
Multi level

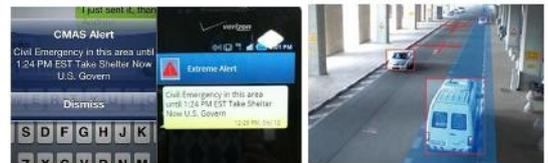


Fig 49: ICT FOR SAFETY AND SURVEILLANCE

TRANSIT MANAGEMENT

GPS-based tracking and route information of public transport and Fleet Management System

Passenger information dissemination (On-Board, At-Stops, At-Stations)



Fig 49: GPS BASED TRACKING



Fig 50: SMART WASTE COLLECTION

SOLID WASTE MANAGEMENT

Sensor fitted bins
Waste transportation Route Mapping
GPS based vehicle tracking
RFID based segregation

QUESTION 32: GANTT CHART

FIGURE 43 :



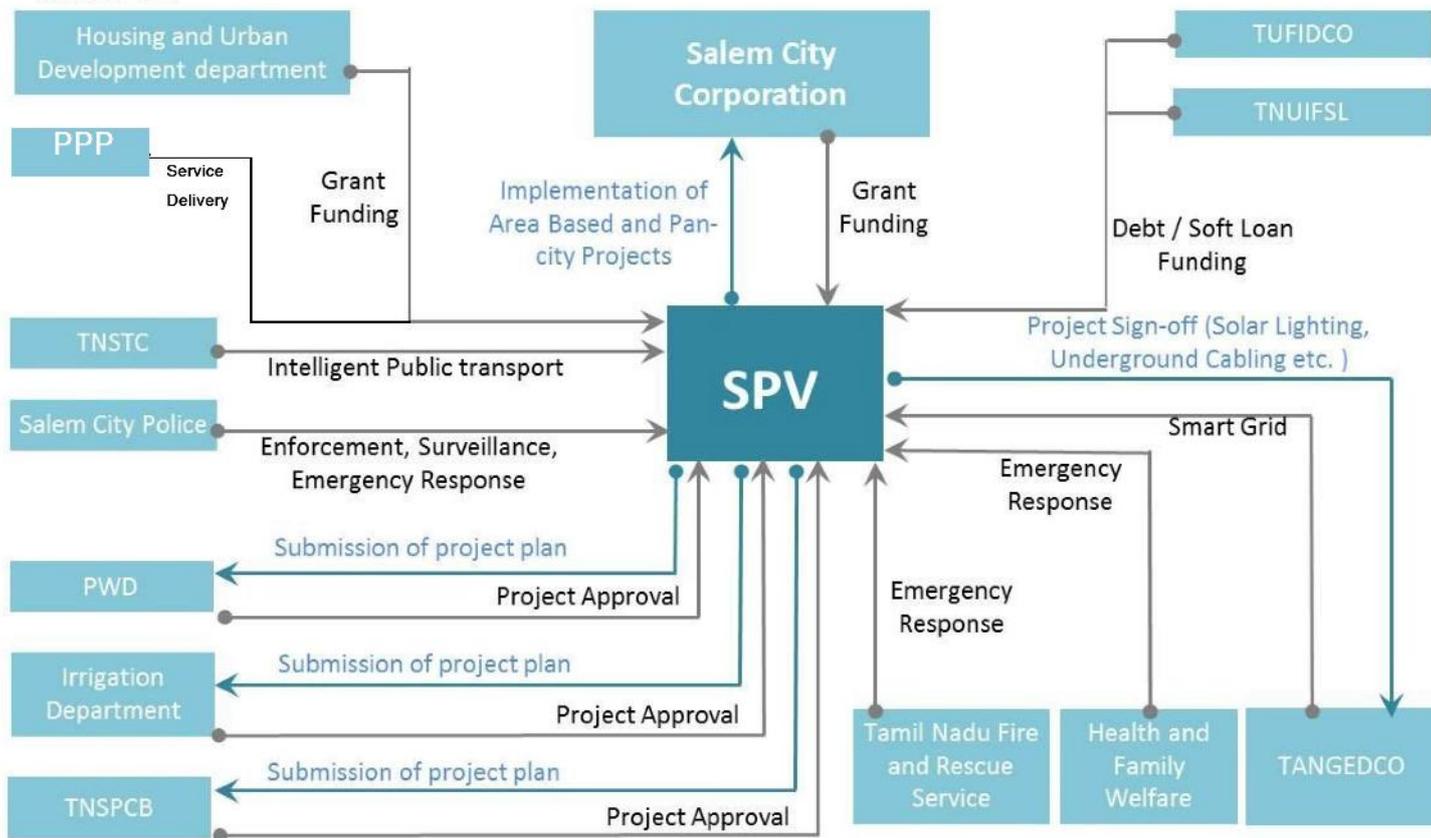
Task Name	FY 2017				FY 2018				FY 2019				FY 2020					
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
* Setting of SPV	[Grey bar spanning Q1-Q2]																	
Incorporation of SPV	[Teal bar]																	
Execution of shareholders' agreement between all shareholders	[Teal bar]																	
Recruitment of Key Staff for SPV	[Teal bar]																	
* Research and planning	[Grey bar spanning Q1-Q4]																	
Floating of tenders for appointment of consultants for Project DPRs	[Teal bar]																	
Appointment of consultants for Project DPRs (by City ULB)	[Teal bar]																	
Completion of DPRs		[Teal bar]																
* Tying up of funding for projects	[Teal bar]																	
* Obtain clearances for projects	[Teal bar]																	
* Procurement		[Grey bar spanning Q2-Q3]																
Floating of tenders for appointment of Contractors		[Teal bar]																
Appointment of contractors			[Teal bar]															
* Implementation of projects				[Grey bar spanning Q4-FY2020]														
> Area Based Development				[Grey bar spanning Q4-FY2020]														
Traffic and transport Management System				[Teal bar spanning Q4-FY2020]														
Development Projects				[Teal bar spanning Q4-FY2019]														
Smart Infrastructure & Visible Improvements				[Teal bar spanning Q4-FY2019]														
Basic Infrastructure Improvements				[Teal bar spanning Q4-FY2019]														
> Pan City				[Grey bar spanning Q4-FY2019]														
Smart solutions to basic urban infrastructure , heath care & education				[Teal bar spanning Q4-FY2019]														
Integrated Platform for City e-Governance				[Teal bar spanning Q4-FY2018]														
* Citizen Engagement to assess the satisfaction on progress and incorporation of feedback	[Teal bar spanning Q1-FY2020]																	



IMPLEMENTATION FRAMEWORK :

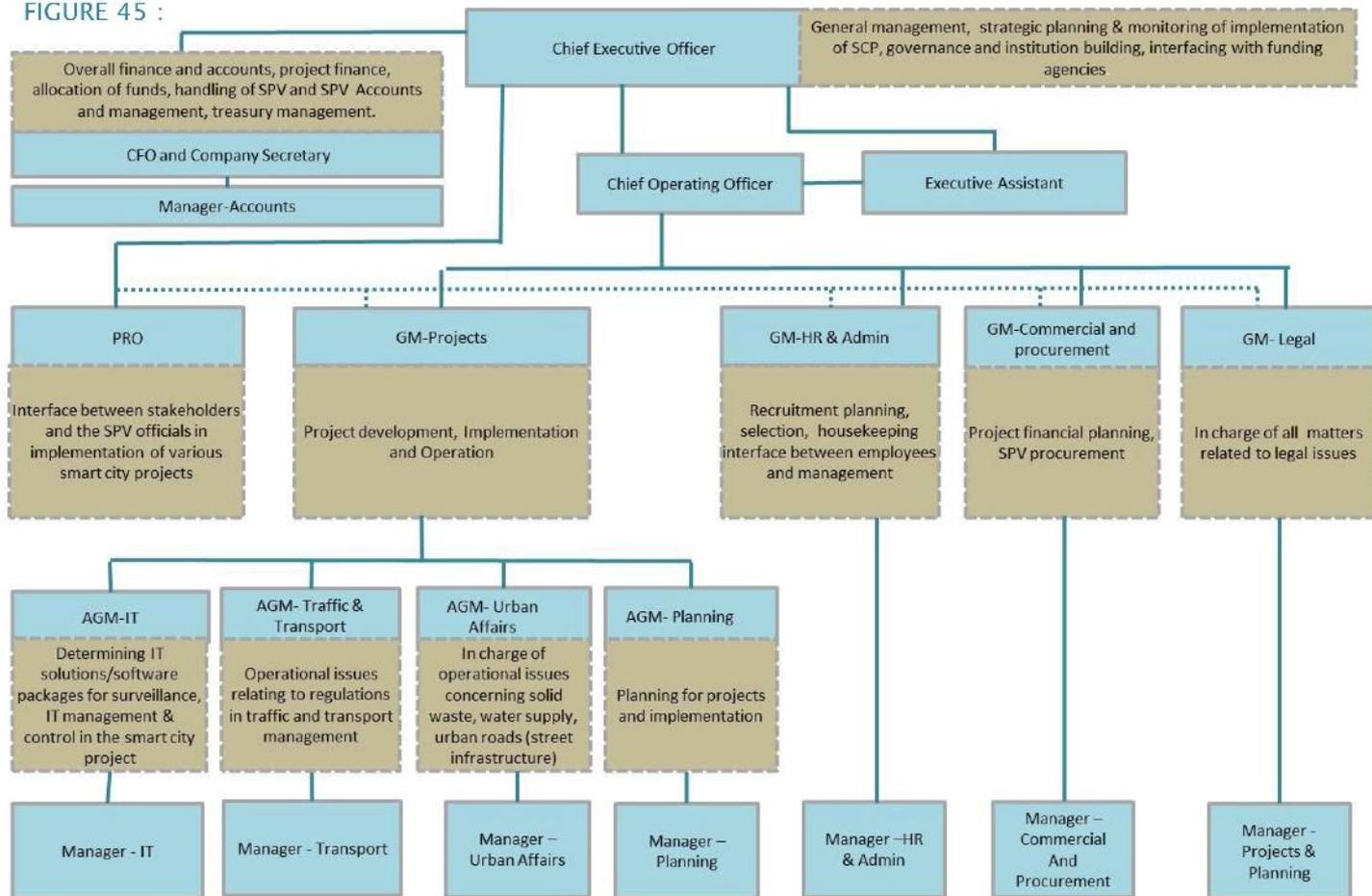
QUESTION 34. CONVERGENCE

FIGURE 44 :



QUESTION 36. ORGANOGRAM

FIGURE 45 :



FINANCIAL PLAN

FIGURE 45 : COST ESTIMATE



(Amount in Rs. Crores)

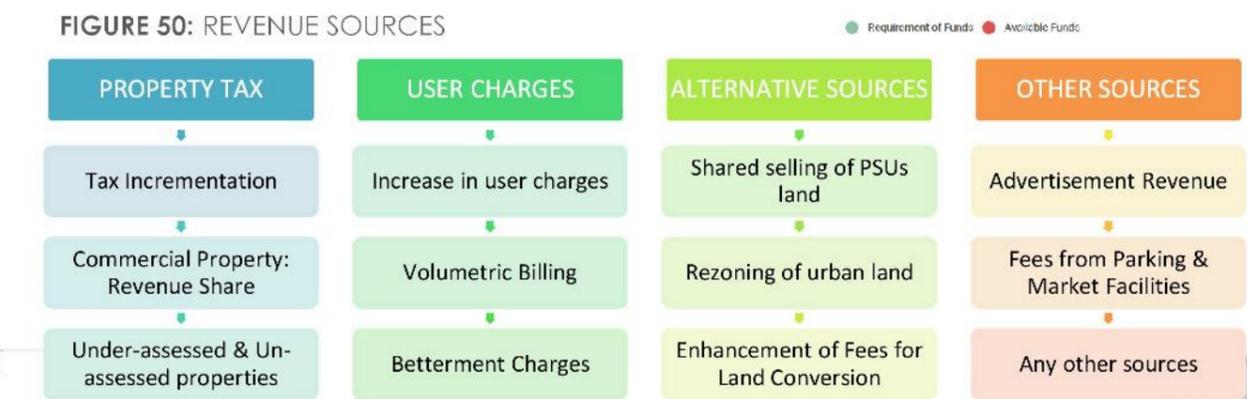
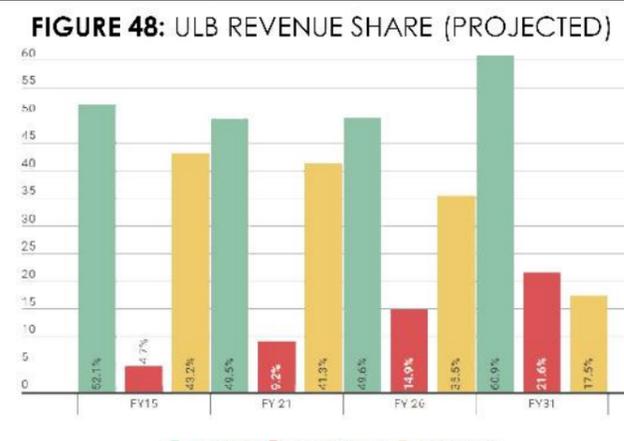
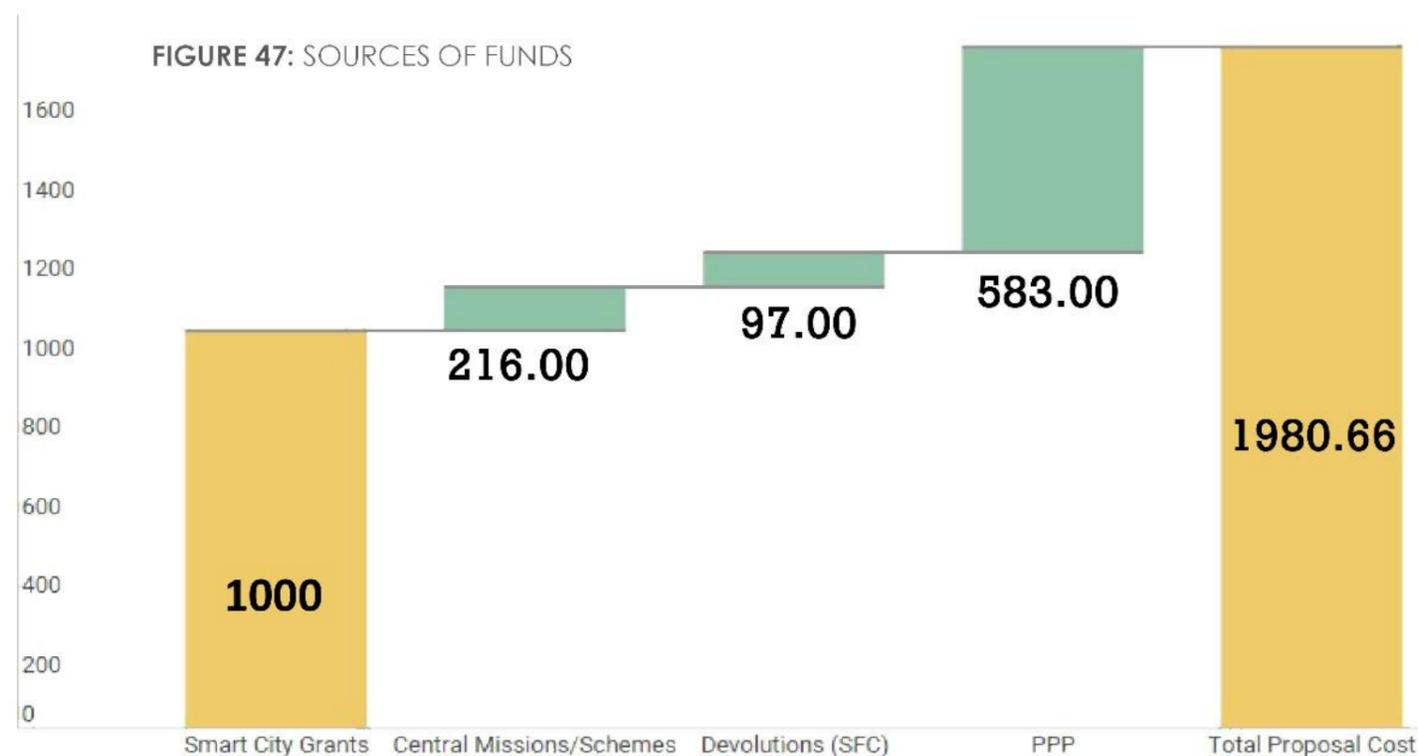
PARTICULARS	ESTIMATED COST	PHASING					SOURCES OF FUNDS			
		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Smart City Grants	Convergence Central/State Missions	ULB Own Sources	PPP
AREA BASED DEVELOPMENT										
Traffic & Transport Management System	678	-	224	398	132	11	698	-	32	34
Bus Terminal Development: Removal of encroachments and Construction of state-of-the art Transit Hub	215	-	65	108	43	-	161	-	32	22
Smart Parking: On street & MLCP (Transit Hub & VOC market)	126	-	38	88	-	-	113	-	-	13
Public Transport Improvement: Shuttle bus service, conversion to Electric / CNG buses, Smart bus shelters	25	-	5	7	7	5	25	-	-	-
Streetscape redesign: Footpath, parking bays, street furniture, signage, landscape, paving, NMT zones, etc.	383	-	115	192	77	-	383	-	-	-
IT Integration: Intelligent signals, Free public Wi-Fi, Display boards, GPS tracking, real time arrival/departure, etc.	15	-	2	3	5	6	15	-	-	-
Development Projects	572.10	-	176	407	-	-	80	-	56	448
Government Office Buildings	12	-	4	8	-	-	12	-	-	-
Commercial Tower Development	560	-	168	392	-	-	56	-	56	448
Renovation of V.O.C Market – revised layout and storage facilities	12	-	5	7	-	-	12	-	-	-
Smart Infrastructure & Visible Improvements	168	-	54	40	41	14	89	28	-	33
River Channel Improvement: Parapet wall and Fencing, lighting and streetscaping	24	-	7	12	5	-	10	15	-	-
Redevelopment of Bose Maidan	21	-	21	-	-	-	21	-	-	-
Signages & Landscaping	33	-	26	7	-	-	33	-	-	-
Solar Energy - 4.5 MW Solar Rooftop	29	-	-	9	15	6	-	9	-	20
Street Lighting - 100% LED replacement	43	-	-	13	22	9	26	4	-	13
Basic Infrastructure Improvements	63	-	26	28	9	-	-	59	3	2
Water Supply System	16	-	3	10	3	-	-	15	-	2
Storm Water Drains	30	-	6	18	6	-	-	27	3	-
Solid Waste Management	17	-	17	-	-	-	-	17	-	-
TOTAL COST - ABD	1481.10	-	480	874	182	25	866	86	91	517
PAN CITY										
Integrated City Management & Control Centre	383.5	-	21	41	62	12	120	18	-	-
Smart Water Network	29	-	3	11	9	6	29	-	-	-
Intelligent Transport	4	-	3	0	0	0	4	-	-	-
Intelligent Signalling	15	-	3	8	3	2	15	-	-	-
Integrated Ticketing	16	-	-	-	16	-	16	-	-	-
VMS	3	-	2	0	0	0	3	-	-	-
Smart Parking	3	-	2	0	0	0	3	-	-	-
CCTV Camera Surveillance System	5	-	1	2	1	0	1	4	-	-
Emergency Response System	4	-	-	3	1	0	1	3	-	-
Waste Management System	0	-	0	0	0	0	-	0	-	-
Street-lighting control system	32	-	6	16	6	3	29	3	-	-
Control Room Set-up	25	-	-	-	25	-	18	8	-	-
Integrated Platform for City e-Governance	43	-	-	14	4	2	14	6	-	-
TOTAL COST - PAN CITY	427.5	-	21	55	66	14	134	23	-	-
TOTAL COST OF PROPOSAL	1908.6	-	501	929	248	40	1,000	97	216	619.6



FINANCIAL PLAN

FIGURE 46: ULB FINANCIAL PROJECTIONS (IN RS. CRORES)

YEAR	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	
INCOME															
MMC	181.4	196.4	264.3	269.5	286.5	303.3	321.5	341.3	362.8	386.3	412.0	440.1	471.1	505.3	
Own Income	127.2	117.1	147.6	140.5	145.4	150.4	155.7	161.1	166.8	172.7	178.8	185.2	191.8	198.7	
Assigned Revenue	6.7	12.6	12.7	12.6	16.6	19.7	23.4	27.7	32.9	39.0	46.4	55.1	65.4	77.8	
Capital Income	47.5	66.7	104.0	116.3	124.5	133.2	142.5	152.5	163.1	174.6	186.8	199.9	213.8	228.8	
Smart City - SPV					-	365.9	600.7	251.9	64.5	36.7	43.0	50.4	59.2	69.5	
Direct Income					-	8.3	8.5	8.8	13.8	16.6	19.9	23.9	28.7	34.4	
Property Tax - Adtl. Revenue					-	1.7	7.5	16.6	17.4	20.1	23.1	26.5	30.5	35.1	
Capital Income					-	356.0	584.7	226.5	33.2	-	-	-	-	-	
TOTAL INCOME	181.4	196.4	264.3	269.5	286.5	669.2	922.2	593.2	427.3	423.0	455.0	490.6	530.3	574.8	
EXPENDITURE															
MMC	180.8	195.3	263.5	268.9	285.8	303.7	322.7	342.9	364.5	387.4	411.7	437.6	465.2	494.5	
Revenue Expenditure	95.7	105.8	125.7	142.4	150.4	158.8	167.7	177.1	187.0	197.5	208.6	220.2	232.6	245.6	
Capital Expenditure	85.0	89.5	137.8	126.5	135.4	144.9	155.0	165.8	177.4	189.9	203.2	217.4	232.6	248.9	
Smart City - SPV					-	391.0	629.5	274.6	84.9	54.6	57.3	60.1	63.5	67.0	
Revenue Expenditure					-	35.0	44.8	48.1	51.7	54.6	57.3	60.1	63.5	67.0	
Capital Expenditure					-	356.0	584.7	226.5	33.2	-	-	-	-	-	
TOTAL EXPENDITURE	180.8	195.3	263.5	268.9	285.8	694.6	952.2	617.5	449.3	441.9	469.0	497.7	528.6	561.5	
BUDGET SURPLUS/(DEFICIT)	0.6	1.1	0.8	0.6	0.7	-25.4	-30.0	-24.3	-22.1	-19.0	-14.0	-7.1	1.7	13.3	





FINANCIAL PLAN

FIGURE 51: SMART CITY : SPV PERFORMANCE

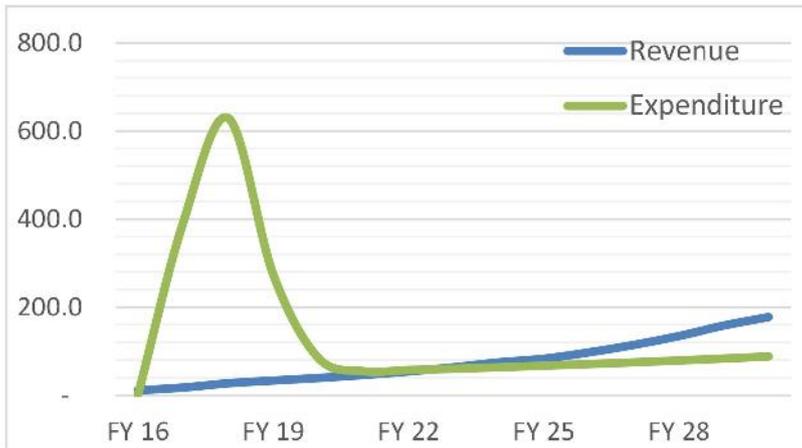


FIGURE 52: COMMERCIAL DEVELOPMENT

COMMERCIAL PROPERTY DEVELOPMENT		
Built up Area	sft.	2,60,000
Mode of Procurement	Mode	PPP
PPP - Scale of Investment	%age of TPC	80%
Revenue Share to ULB	Rs. per sft. Per month	8
Annual increase in revenue	%age p.a	5%

FIGURE 53: REVENUE ASSUMPTIONS

Water Supply	Households in the Catchment Area	No. (in the area)	18,500
	Current Coverage	%age of total	50%
	Betterment & Deposit Charges	Rs. Per Connection	12,000/-
	Deposit Charges – Existing Connections	Rs. Per Connection	4,000/-
	Volumetric Tariff	Rs. Per KL	10.0
Advertisement Revenue	Revenue Charges	Rs. Per sq. m per month	75.0
	Small Hoardings Size	On street light	2x3
	Large Hoardings	Every redeveloped street	20x30
Street Parking	Parking lots	No. of lots in the area	20
	Revenue per lot	Rs. Per month	50,000/-
Property Tax	Tariff Increase in city – one time	%age of Existing	10%
	Tariff Increase in ABD area – one time	%age of Existing	30%
	To be implemented by 2020		
	Periodic Increase	%age every 5 years	15%
Devolutions (SFC)	Yearly Increase – till 2025	%age p.a	18%
	Yearly increase – after 2025	%age p.a	12%
	Current Increase – 14% p.a		

FIGURE 54: SPV O&M EXPENSES

YEAR	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24
Area Based Development	31.9	34.1	36.2	38.7	40.9	43.1	45.4	47.9
Water Supply	1.8	2.3	2.6	3.3	3.4	3.5	3.7	3.8
Storm Water Drains	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3
Solid Waste Management	4.1	4.3	4.6	4.8	5.1	5.4	5.7	6.0
Maintenance of Streets	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
River Channel Improvement	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
Other Developments	24.1	25.5	26.9	28.4	30.0	31.7	33.5	35.3
Pan City	3.1	10.7	11.9	13.0	13.7	14.2	14.6	15.5
Total Expenditure	34.99	44.80	48.10	51.69	54.58	57.26	60.09	63.39



SALEM CORPORATION

Letter No. E4/17452/2015, dated 26.12.2015

From

Thiru. K.R.Selvaraj, M.Sc.,
Commissioner,
Salem Corporation.
Salem 636 007.

To

The Mission Director, Smart Cities Mission/
Additional Secretary to Government of India
Ministry of Urban Development
New Delhi – 110011

Dear Sir,

Sub: Submission of Smart City Proposal for Salem City under the Smart Cities
Mission project

As directed please find enclosed the Smart City Proposal for Salem city (TN-07-SAL
SCP). As required **FIVE** nos. of Hard copies and **ONE** soft Copy (DVD) has
been enclosed along.

Thanking you

Yours Sincerely,

K. R. Selvaraj
Commissioner 26/12/15
Salem Corporation

Encl along: (Five Hard copies and one soft copy –DVD)

By
26/12/15

Copy submitted to :

1. Principal Secretary, Municipal Administration and water supply Department.
Secretariat Chennai. 600 009.
2. Managing Director TUFIDCO, Chennai-35

True Copy of Salem Corporation Resolution No.235 Dated.14.12.2015.

Subject:

The Government of India has announced "Smart City Mission" for short listed 100 Cities in all over India. Salem City is one among them out of 12 cities selected in Tamil Nadu.

The Government of Tamil Nadu has accorded administration sanction vide GO. Ms. No. 112 Municipal Administration and Water Supply Department (MA2) dated.31.07.2015 to Implement the Smart City Project in 12 Cities of Tamil Nadu including Salem City.

The ministry of Urban Development , Government of India has issued Guidelines for this Smart City Mission. In the Guidelines., it is stated that the project will be implemented based on the following criteria.

b. Area based Development

3. Retrofitting
4. Redevelopment

b. Pan City solution for the city.

Under the Area Based development, the following are the essential features.

- 16) Assured Electricity
- 17) Adequate Water supply
- 18) Solid Waste Management
- 19) Rain water Harvesting
- 20) Smart Metering
- 21) Robust IT connectivity and digitalization
- 22) Pedestrian friendly path way
- 23) Encouragement to non motorized transport
- 24) Intelligent traffic Management
- 25) Non Vehicles Street/Zones
- 26) Smart Parking
- 27) Energy efficient street lighting
- 28) Innovative use of open spaces
- 29) Visible Improvement area
- 30) Safe of Citizens especially Children, Women and Elderly

Pan City

Any of two solution should be IT enabled to Improve Public services.

The Scheme will be implemented for five years and the financial pattern to implement the scheme mentioned in the Guidelines is given below.

4. Government of India Grant - Rs. 100.00 Crore/Year

5. Government of Tamil Nadu Grant	- Rs. 100.00 Crore/Year

	Rs. 200.00 Crore/Year

6. Under Public Private Partnership	- Rs. 1000.00 Crore / For the Project / Period

To prepare "City wide conceptual plan" and smart City proposal, M/S. IDeCK – Infrastructure Development Corporation (Karnataka) Ltd., Bangalore has been appointed as consultant through TUFIDCO.

To Implement the Smart City Project in Salem City, the following activities have been carried out by the Corporation.

1. Preliminary meeting was conducted and the consultant explain about the Smart City Project. : 28.07.2015
2. Meeting was conducted under the chairmanship of Honorable Mayor, with Stake holders. : 22.09.2015
3. Meeting was conducted under the Chairmanship of District Collector with the line Department officials. : 25.09.2015
4. Meeting was conducted under the chairmanship of Honorable Mayor with Stake Holders : 05.10.2015
5. Meeting was conducted under the Chairman Ship of Honorable Mayor with Stake Holders : 27.11.2015

Apart from this, the following activities were initiated to get public opinion from the Salem Citizens about the Smart City Project.

- ❖ A separate web site was launched in the name of www.salemsmartcity.in to involve the citizens.
- ❖ Competition held through the website for essay writing, Craft, painting and Logo Design.
- ❖ The Competition conducted through "mygov" platform.
- ❖ 15 Nos of flex banners displayed in the prominent place for citizens awareness.
- ❖ Opinion poll was conducted among the citizens through website.
- ❖ 8 Nos of polling Booths were established in the important places .
- ❖ 13 areas were identified tentatively for citizen opinion poll for Area based development and Pan City.
- ❖ Advertisement made through F.M. Radio.
- ❖ A Video film has been taken and displayed in the important place for citizens awareness.

Regarding selection of the area, the Salem Corporation has selected following areas tentatively and hosted in the website for public opinion poll.

I. Area Based Development

d) Retrofitting

10. Perumalmalai Residential areas
11. Dr.M.G.R. Central Bus Stand and Surrounding Areas
12. Salem Railway Junction and Surrounding areas
13. Chinna kollapatty, Kannankuruchi Main Road, Kolla patty (Yercaud Foot Hills)
14. Old Bus Stand and Surrounding Areas , Bose Maidanam, I & II Agraharam
Car street, Bazaar Street, Chinnakadai Street,
15. V.O.C market and surrounding area, VOC market, Old market area,
Mvd.pura streets, Kallanguthu area, Pavadi Pattaikoil area
16. Kumaragiri Eri area and surrounding area, Kumaragiri Eri, Maruthi Nagar ,
Pachapatti area, Gandhi maidanam area, Ammapet area.
17. Dhadhubaikuttai Area Pulikuthi Streets Karugalpatty
18. Nethimedu Area (Maniyanoor, Annathanapatty, K.P.Karadu)

e) Redevelopment

4. Residential area consisting Chinnammalayam and Appavunagar
5. Johnsonpet Area
6. Kothadimai Colony Indira Nagar, Moonankaradu, OnpathamPali, Oothumalai
Adivraram, Ammal Eri Development

f) Green Field

2. The elevated area adjacent to Burn&Co. located in Omalur main road

In the Public opinion poll, the citizens responses received on area selection polling was 15,738, out of the above areas retrofitting Model for VOC Market and Old bus Stand surrounding has received higher No. of votes of 8695.

Based on the public opinion poll, the council may be resolved to implement the Smart City proposals in the VOC Market and Old bus stand surrounding area. under area based development is Retrofitting model.

Further the consultant M/S. IDECK- Bangalore has prepared the "City wide Conceptual Plan" and Smart City Proposals for the Salem City. In this, the following projects were identified and the estimate prepared by the consultant and the details are given below.

1.Area Based Development (Retrofitting Model)

(Rs. In Crore)

d) Basic Infrastructure improvements

Water Supply and Storm Water Drains : 46.80

e) Other Services

Solid waste management, Underground cabling, Street Improvement & Street Scape Solar Energy, Street Lighting and Solar energy. : 495.10

f) Development Project

Bus terminals development, Govt. office building, MLCP, Signage & Land scapping, Commercial property development, IT connectivity, Market Improvement, Redevelopment of Bose Maidan, Public Infrastructure and river channel Improvement. : 1425.10

Pan City Initiative

City Control Room	:	175.30
Integrated Plot form for city –e governance	:	20.00
Total		2162.30

The Source of funds for Implementation of the Smart City Project are Categorized and Indicated in the Smart City Proposals as given below.

1. Central Mission : AMRUT, Swatch Bharat, Digital India.
2. Other Mission / Schemes : Nirbhaya Fund, IPD Scheme
3. Other Sources : ULB Surplus & SFC Fund

The "Public Private Partnership" Mode will be implemented for Commercial Property development, Multilevel parking, Solar energy, Street Lighting and development of Bus terminal etc., in the Area based development.

Council May resolve to Implement the Project identified as above and as per the financial pattern stipulated in the Smart City Proposals.

Based on the the Government of India Guide lines, The Project has to be Implemented through **SPV (Special Purpose Vehicle)** . The Government of Tamil Nadu has issued orders vide Go.Ms.No.112, Municipal Administration & Water Supply (MA2) Department, Date.31.07.2015 for formation of SPV, City level inter Departmental task force, and City level Advisory Forum.

As per the Government orders, The SPV at State Level has to be established with the following Board of directors.

Special Purpose Vehicle at State Level

1. Director of Municipal Administration, Chennai : Chairman of the SPV
2. Representative form Ministry of Urban Development : Director
3. Representative form finance Department Government of Tamil Nadu : Director
4. Corporation Commissioner : Director
5. Chief Executive Officer of respective Special purpose Vehicle : Director
6. Independent directors (Towns) : Director

Further, the details of City level inter departmental Task Force and City level Smart City Advisory Forum to be formed as given below.

City Level Inter Departmental Task Force

1. District Collector, Salem, : Chairman
2. Corporation Commissioner, : Member & Convener
3. Chief Executive Officer of the Special purpose vehicle, : Member
4. Executive Engineer , : Member
5. Superintending Engineer (TANGEDCO) : Member
6. Divisional Engineer High Ways : Member
7. Assistant Director – Town and Country Planning : Member

8. Executive Engineer, Tamil Nadu : Member
Housing Board
9. Executive Engineer, Tamil Nadu Slum : Member
Clearance Board
10. District Information Officer National : Member
Information Circle

(Any Officer of the State/Central Government as the District Collector Sectors Necessary)

City level Smart City advisory forum

1. District Collector, Salem, : Chairman
2. Member of Parliament- Salem : Co – Chairman,
3. Member of Legislative Assembly : Member
4. Mayor : Member
5. Commissioner, Salem Corporation : Member
6. Chief Executive Officer of the SPV : Member & Convener
7. Local Youth : Member,
8. Technical Expert : Member
9. Non Government Organization / Chamber : Member
of Commerce /Slum level Federation

Council May resolve to Establish the the SPV, City level Inter departmental Task Force, and City level Smart City Advisory Forum as stipulated in the Government orders.

Based on the above, Guide lines and government Orders, The Consultant has prepared and submitted the City wide Conceptual plan and smart city Proposal for Salem City.

Hence the council may resolved to approve the City Conceptual Plan, and Smart City Proposals. Cost Estimates and financial patterns, formation of SPV, City level inter Departmental Task Force, City level Smart city Advisory Forum.

Further the council may be resolved to accord permission to submit the proposals to the "Smart City Mission", Government of India through the Government of Tamil Nadu for sanction.

Office Note:

4. Council may resolved to implement the project in the Retrofitting Model of Area based development as per the public opinion poll.
5. Council may resolved to establish "SPV" for the project implementation.
6. Council may resolved to establish City level inter departmental task force and City level Smart city advisory forum.

File No. R.O.C. E4 /0 17452 /2015

- i. Resolved to approve the Smart City Proposals and to establish 'SPV', for SCP implementation.
- ii. Resolved to establish city level Inter Departmental Task Force and City Level Advisory forum.

(Sd.) Thiru. S. Soundappan,
Mayor,
Salem Corporation.

/ True Copy /

*no document
15 XII 2015*
For Commissioner,
Salem Corporation.

*CB
15/11/15*

ANNEXURE:4

From

Superintending Engineer,
Tamil Nadu Generation and Distribution
Corporation Limited,
Salem.

To

The Mission Director,
Smart Cities Mission,
Ministry of Urban Development.

Roc No.

Dated: .12.2015

Dear Sir,

Sub: Smart City - Salem Electricity Distribution Circle – Letter of support towards co-ordinating and delivering the Pan City and Area Based Initiatives under the Smart City Mission – Regarding.

Ref: Letter from the Commissioner, Salem Corporation vide Roc. No. E4/17452/2015 Dated 12.12.2015.

It gives me great pleasure to note that Salem City Municipal Corporation (SCMC) has been short listed to participate in the Smart City Challenge. As part of the Smart city initiative, we hope to undertake host of projects under Pan city and Area Based components.

We understand that our Department falls under the ambit of Smart City and TANGEDCO assures to extend its co-operation in implementation of the Project and support the newly set up Special purpose vehicle.


For Superintending Engineer, 23/12/15
Tamil Nadu Generation and Distribution
Corporation Limited,
Salem.

PUBLIC WORKS DEPARTMENT

From
Er.A.Sekar, B.E.,
Executive Engineer, PWD.,
Buildings (C&M) Division,
Salem - 636 007.

To
The Mission Director,
Smart Cities Mission,
Ministry of Urban Development.
Delhi.

Letter No. \288/DB/JDO.1\ F.GI\2015 / Dt. 23.12.2015

Sir,

Sub: Smart City-Public Works Department-Letter of support towards co-ordinating and delivering the Plan City and Area Based Initiatives under the Smart City Mission-Regarding.

Ref: Letter from the Commissioner, Salem Corporation vide Roc.No.E4\17452\2015 Dated 10.12.2015 received on 23.12.2015.

.....

It gives me great pleasure to note that Salem City Municipal Corporation (SCMC) has been short listed to participate in the Smart City Challenge. As part of the Smart City initiative, we hope to undertake host of projects uner Plan city and Area Based components.

We understand that our Department falls under the ambit of Smart City and Public Works Department assures to extend its co-operation in implementation of the Project and support the newly set up Special purpose vehicle.


Executive Engineer, PWD.,
Buildings (C&M) Division, Salem-7.


23.12.15

ANNEXURE:4

From
T.Venkatramanan
District Fire Officer,
Fire and Rescue Office,
Navalar Nedunchezhiyan Road,
Salem 02.

To
The Mission Director,
Smart Cities Mission,
Ministry of Urban Development.

Roc No. 14572/A2/20

Dated: .12.2015

Dear Sir,

Sub: Smart City – Salem City Police – Letter of support towards co-ordinating and delivering the Pan City and Area Based Initiatives under the Smart City Mission – Regarding.

Ref: Letter from the Commissioner, Salem Corporation vide Roc. No. E4/17452/2015 Dated 12.12.2015.

It gives me great pleasure to note that Salem City Municipal Corporation (SCMC) has been short listed to participate in the Smart City Challenge. As part of the Smart city initiative, we hope to undertake host of projects under Pan city and Area Based components.

We understand that our Department falls under the ambit of Smart City and Fire and Rescue Department assures to extend its co-operation in implementation of the Project and support the newly set up Special purpose vehicle.


District Officer,
Fire and Rescue Service,
Salem District
23/12/15



POLICE DEPARTMENT

From

To

Sumit Sharan, IPS.,
Commissioner of Police,
Salem City, Salem.

The Mission Director,
Smart Cities Mission,
Ministry of Urban Development,
New Delhi.

C.No.G4/328/34879/2015 date: 24.12.2015.

Sir,

Sub: Police – Salem City – Letter of support towards
co-ordinating and delivering the Pan City and Area Based
Initiatives under the Smart City Mission – Regarding.

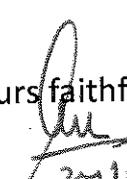
Reg: Commissioner, Municipal Corporation, Salem in C.No.
E4/117452 /2015 Dated: 23.12.2015.

<><><><>

It gives me great pleasure to note that Salem City Municipal Corporation (SCMC) has been short listed to participate in the Smart City Challenge. As part of the Smart City initiative, we hope to undertake host of projects under Pan City and Area Based components.

2] We understand that our Department falls under the ambit of Smart City and Salem City Police Department assures to extend its co-operation in implementation of the Project and support the newly set up Special purpose vehicle.

Yours faithfully


24/12/15
Commissioner of Police,
Salem City, Salem.

u.s.
24/12/15

Tamil Nadu State Transport Corporation (Salem) Ltd.,

(A Government of Tamilnadu Undertaking)

Registered and Administrative Office :

12, Ramakrishna Road,

SALEM - 636 007.

Phone: 2314391-3 (Lines)

Fax : 0427 - 2317468

Lr. No.172/MD/TNSTC/Slm/2015

Date: 23.12.2015

To

The Mission Director,
Smart Cities Mission,
Ministry of Urban Development.

Dear Sir,

Sub: Smart City – Tamil Nadu State Transport Corporation – Letter of support towards co-ordinating and delivering the Pan City and Area Based Initiatives under the Smart City Mission – Regarding.

Ref: Letter from the Commissioner, Salem Corporation vide Roc.
No.E4/17452/2015 Dated.2.12.2015

It gives me great pleasure to note that Salem City Municipal Corporation(SCMC) has been short listed to participate in the Smart City Challenge. As part of the Smart City initiative, we hope to undertake host of projects under Pan City and Area Based components.

We understand that our Department falls under the ambit of Smart City and Tamil Nadu State Transport Corporation assures to extend its co-operation in implementation of the Project and support the newly set up Special purpose vehicle.



Managing Director,

Tamil Nadu State Transport Corporation.



POWERING TAMILNADU'S PROGRESS ...

To whomsoever it may concern

Consequent to the 12 Corporations getting selected as Smart Cities, TANGEDCO has brought to the knowledge of the Corporation, the implementation of schemes that are in operation and in full agreement to the convergence of the schemes in the Smart City Mission. The department is very much interested in getting involved and providing necessary support in the implementation and operation of the sub projects identified under Area Based Development and Pan City Solutions, provided that there is funding by the Government of India/ Government of Tamil Nadu.

We confirm, No objection (NOC) towards implementation of the identified projects and wish Corporation for successful submission of Smart City Proposal to Government of India.

Amritha
22/12/15

Chief Engineer/Planning & Resource Centre
TANGEDCO



ABSTRACT

Implementation of Smart Cities Mission in Tamil Nadu - Government of India sponsored Mission – Administrative Sanction – Orders – Issued.

MUNICIPAL ADMINISTRATION AND WATER SUPPLY (MA2) DEPARTMENT

G.O.(Ms)No.112

Dated 31.7.2015
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Read:

From the Chairperson and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited, Lr.No. TUFIDCO / Smart City / 44/AM(S)/2015, Dated 20.07.2015.

ORDER:

In the letter read above, the Chairperson and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation has stated that, the Ministry of Urban Development, Government of India, has recently launched the Smart Cities Mission, with the **objective** to promote cities that provide core infrastructure and give a decent quality of life to its citizens, a clean and sustainable environment and application of 'Smart' solutions. The Mission will cover **100 cities** and its duration will be **five years** (Financial Year 2015-16 to Financial Year 2019- 20).

2. The core infrastructure elements in a Smart City would include adequate water supply; sanitation, including solid waste management; efficient urban mobility and public transport; affordable housing, especially for the poor; and robust IT connectivity and digitalization.

3. The strategic components of Area-based development in the Smart Cities Mission are; City Improvement - Retrofitting; City Redevelopment; Greenfield development and Pan-city development. A Smart City is expected to encapsulate either of these, or a mix thereof and a Pan-city feature with Smart Solution(s), which include, e-Governance and Citizen Services; Waste Management; Water Management; Energy Management and Urban Mobility, etc.

4. The total number of 100 Smart Cities have been distributed among the States and Union Territories on the basis of equal weightage (50:50) to urban population of the State and the number of statutory towns in the State. In the

first year of the Program, 20 cities will be taken up, followed by 40 cities, each in the second and third years. As per the guidelines, **12 cities** have been allotted to Tamil Nadu.

5. In Stage I of the **Process of Selection of Smart Cities**, cities in the State will compete on the conditions precedent and the '**Thirteen Criteria**' scoring criteria (100 points), which are laid out in the guidelines. **In Stage 2**, competition among the smart city proposals is the basis for the selection of cities.

6. The financial support of Government of India for the Centrally Sponsored Smart City Mission will be to the extent of Rs.48,000 crores over five years i.e. on an average Rs. 100 crore per city per year. An equal amount, on a matching basis, will have to be contributed by the State/Urban Local Body.

7. Under the Scheme, 93% is project funds and the balance is Administrative and Office Expenses funds for the State/ Urban Local Body (5%) and the Ministry of Urban Development (2%). Each selected Smart City will be given Rs.194 crore in the first year, followed by Rs. 98 crore out of Rs. 100 crore every year for the next three years.

8. As per the guidelines, a **State level High Powered Steering Committee (HPSC)** chaired by the Chief Secretary, which would steer the Mission Programme in its entirety is to be constituted. The key responsibilities of the Committee are, **i.** to provide guidance to the Mission; **ii.** oversee the process of first stage Intra-State competition; **iii.** review the Smart City Proposals and forward to the Ministry of Urban Development for participation in the Challenge.

9. Further, as per the guidelines, there would be a **State Mission Director**, whose functions include assisting the state level High Powered Steering Committee, guiding the Urban Local Bodies/Special Purpose Vehicles for planning, mobilizing funds and implementation of the smart city program.

10. The Chairperson and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited, has stated that, the Tamil Nadu Urban Finance and Infrastructure Development Corporation has successfully implemented various Government of India programmes including the Jawaharlal Nehru National Urban Renewal Mission and this expertise would enable the organization to effectively function as the Mission Directorate.

11. The mission envisages that, each Smart City will have a **Special Purpose Vehicle (SPV)**, headed by a full time Chief Executive Officer and have nominees of Central Government, State Government and Urban Local Body on its Board.

12. As regards **Special Purpose Vehicle**, based on the indicative composition and their functions as given in the guidelines, the Chairperson and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation, has proposed to constitute Special Purpose Vehicle as below:

- i.** City Level Special Purpose Vehicle (SPV) may be formed as a limited company under the Companies Act, 2013 and

will be promoted by the State and the Urban Local Body jointly, both having 50:50 equity shareholding. This shareholding pattern has to be maintained at all times. The State and Urban Local Body together have majority shareholding and control of the Special Purpose Vehicle.

- ii. In order to facilitate smooth start up of the Mission and to have a holistic view of the infrastructure and basic amenities in the State, **the Director of Municipal Administration or a Secretary Level Officer may be designated as the Chairman of the Special Purpose Vehicle Board.** In case of Chennai, the Commissioner of Chennai Corporation may be designated as Chairman of the Special Purpose Vehicle. Accordingly, the Special Purpose Vehicle may be formed in each city under the Companies Act, 2013, with the composition of;

a.	Commissioner, Corporation of Chennai / Director of Municipal Administration /Secretary level Officer	Chairman
b.	Representative from Ministry of Urban Development	Director
c.	Representative from Finance Dept, Government of Tamil Nadu.	Director
d.	Corporation/ Municipal Commissioner	Director
e.	Chief Executive Officer of respective Special Purpose Vehicle	Director
f.	Independent Directors- Two Numbers	Director

Rep. from
Financial
Institution

- iii. As regards delegating necessary powers to the Special Purpose Vehicle in order to ensure operational independence and autonomy in decision making, it is proposed that, **a.** the approval or decision making powers available to the Municipal Administration Department and **b.** the matters that require the approval of the State Government may be delegated, respectively, to the Board of Directors of the Special Purpose Vehicle and the State Level High Powered Steering Committee for Smart Cities, on a case-to-case basis.

13. One of the conditions precedent for the first stage of the selection process is, constitution of Inter-departmental Task Force consisting of parastatal bodies, Urban Local Body, Organizations and Urban Development Authorities in order to make the city Smart. It is proposed to constitute the city level **Inter-departmental Task Force**, as below:

i.	District Collector/Commissioner in respect of Chennai	Chairman
----	-------------------------------------------------------	----------

ii.	Corporation Commissioner/Deputy Commissioner of Corporation (works) in respect of Chennai	Member-Convener
iii.	Chief Executive Officer of the Special Purpose Vehicle	Member
iv.	Engineering Director, Chennai Metropolitan Water Supply and Sewerage Board / Superintending Engineer/Executive Engineer, Tamil Nadu Water Supply and Drainage Board	Member
v.	Superintending Engineer, Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO)	Member
vi.	Superintending Engineer/Divisional Engineer, Highways	Member
vii.	Assistant Director of Town and Country Planning	Member
viii.	Executive Engineer concerned, Tamil Nadu Housing Board	Member
ix.	Executive Engineer concerned, Tamil Nadu Slum Clearance Board	Member
x.	District Information Officer, National Informatics Centre	Member
Any officer of the State/Central Government, as the District Collector deems necessary		

14. As per the guidelines, **City Level Smart City Advisory Forum** will be established for each Smart City to advise and enable collaboration among various stakeholders. Based on inputs from the line departments, the Chairperson and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited, has proposed the constitution of Smart City Advisory Forum as below:

i.	District Collector/Commissioner in respect of Chennai	Chairman
ii.	Member of Parliament	Co-Chairman
iii.	Member of Legislative Assembly	Member
iv.	Mayor	Member
v.	City Commissioner (other than Chennai)	Member
vi.	Chief Executive Officer of the Special Purpose Vehicle	Member - Convener
vii.	Local Youth*	Member
viii.	Technical Expert *	Member
ix.	Non Government Organization/Chamber of Commerce/ Slum Level Federation *	Member

(*As decided by the Chairman of the Committee)

15. The Government after careful examination has decided to accept the proposal of the Chairperson and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation, and accords **Administrative Sanction** for the implementation of the Smart City Mission in the State, with the following institutional arrangements.

I. Constitution of the **State level High Powered Steering Committee**, under the Chairmanship of Chief Secretary to Government as below:

Chief Secretary to Government	Chairman
Principal Secretary, Municipal Administration and Water Supply Department	Member
Principal Secretary to Government, Finance Department	Member
Principal Secretary to Government, Planning, Development and Special Initiative Department	Member
Secretary to Government, Housing and Urban Development Department	Member
Representative of Ministry of Urban Development	Member
Mayors of Corporation (After Selection)	Member
Commissioners of Corporations (After Selection)	Members
Chief Executive Officers of the Special Purpose Vehicle in the State (After formation)	Members
Director of Municipal Administration	Member
Managing Director, Tamil Nadu Water Supply and Drainage Board	Member
Managing Director, Chennai Metropolitan Water Supply and Sewerage Board	Member
Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited/State Mission Director	Member - Secretary

II. The Chairperson and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation is designated as the **State Mission Director** and the Tamil Nadu Urban Finance and Infrastructure Development Corporation, as the **Mission Directorate**.

III. Constitution of **Special Purpose Vehicle**, as a limited company under the Companies Act, 2013, with 50:50 equity share holding by the State and the Urban Local Body; the Director of Municipal Administration or a Secretary Level Officer as Chairman; in case of Chennai Corporation, Commissioner as Chairman; the detailed composition and other features, as at para 12 above.

IV. City Level Inter-departmental Task Force, with District Collector and in respect of Chennai, Commissioner of Corporation, with composition, as detailed at para 13 above.

V. City Level Smart City Advisory Forum, with District Collector/Commissioner in respect of Chennai as Chairman; Member of Parliament as Co-Chairman and with detailed composition as at para 14 above.

16. This order issues with the concurrence of the Finance department, vide its U.O.No.32/Fin(DS (PW))/2015, Dated 31.7.2015.

(BY ORDER OF THE GOVERNOR)

**K. PHANINDRA REDDY
PRINCIPAL SECRETARY TO GOVERNMENT**

To

The Ministry of Urban Development, Government of India,
New Delhi - 110 011.

The Commissioner, Corporation of Chennai, Chennai-3.

The Chairperson and Managing Director,
Tamil Nadu Urban Finance and Infrastructure

Development Corporation Limited, Chennai-35.

The Director of Municipal Administration, Chennai-5.

The Director of Town Panchayats, Chennai-108.

The Managing Director,

Chennai Metropolitan Water Supply and Sewerage Board, Chennai-2.

The Managing Director,

Tamil Nadu Water Supply and Drainage Board, Chennai-5.

Copy to

The Finance Department, Chennai-9.

The Planning, Development and Special Initiative Department,
Chennai-9.

The Housing and Urban Development Department, Chennai-9.

The Municipal Administration and Water Supply (OP II) Department,
Chennai-9.

/FORWARDED BY ORDER/

SECTION OFFICER

Most Immediate



Municipal Administration
and Water Supply (MAII)
Department, Secretariat,
Chennai- 600 009.

Letter No.29870/MA.II/2015 - 4, dated 23.12.2015

From

Thiru.K.Phanindra Reddy, I.A.S.,
Principal Secretary to Government

To

The Mission Director, Smart Cities Mission/
Additional Secretary to Government of India,
Ministry of Urban Development,
New Delhi - 110 011.

Sir,

Sub: Smart Cities Mission - Smart City
Proposals of the 12 Cities of Tamil Nadu -
Forwarded - Reg.

I am directed to inform that, the second meeting of the State Level High Powered Steering Committee of the Smart Cities Mission of the State of Tamil Nadu under the Chairmanship of the Chief Secretary to Government, held on 21.12.2015 reviewed the Smart City Proposals of the Mission Cities of the State, viz., 12 City Municipal Corporations and resolved to forward the said proposals for participation in the Stage II National level Challenge. Accordingly, the proposals are forwarded.

Yours sincerely,

for Principal Secretary to Government

Copy to

The Chairperson and Managing Director,
Tamil Nadu Urban Finance and Infrastructure
Development Corporation Limited, Chennai-35.



Municipal Administration
and Water Supply (MAI)
Department, Secretariat,
Chennai- 600 009.

MINUTES OF THE SECOND STATE LEVEL HIGH POWERED STEERING COMMITTEE MEETING HELD ON 21.12.2015 AT 5.30 P.M FOR SMART CITY MISSION

The Second meeting of the **State Level High Powered Steering Committee** for **Smart City Mission** was held in the Chief Secretary Conference Hall, Secretariat on 21.12.2015 at 5.30 P.M under the Chairmanship of **Thiru K. Gnanadesikan, I.A.S.**, Chief Secretary to Government.

The following members attended the meeting:

1. Thiru K Shanmugam IAS. Member
Principal Secretary to Govt,
Finance Department, Secretariat
Chennai-600 009
2. Thiru K.Phanindra Reddy IAS. Member
Principal Secretary to Government.
Municipal Administration and
Water Supply Department
Secretariat, Chennai-600 009
3. Thiru S.Krishnan IAS. Member
Principal Secretary to Government.
Planning, Development and
Special Initiatives Department,
Secretariat, Chennai-600 009
4. Thiru.Vikram Kapoor, I.A.S. Member
Principal Secretary/Commissioner,
Corporation of Chennai,
Chennai-600 003.
5. Dr. S. Swarna, I.A.S. Member-Secretary
Chairperson and Managing Director,
TUFIDCO, Nandanam,
Chennai - 600 035.

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------|--------|
| 6. Dr.B.Chandra Mohan, I.A.S.,
Managing Director,
Chennai Metropolitan Water Supply
and Sewerage Board,
Chennai- 600 002 | Member |
| 7. Thiru. Vijayaraj Kumar, I.A.S.
Managing Director,
TamilNadu Water supply & Drainage Board,
Chepauk,
Chennai-600 009. | Member |
| 8. Thiru G. Prakash, I.A.S.
Director of Municipal Admin.
Chepauk,
Chennai-600 005. | Member |
| 9. Tmt. Kakarla Usha, I.A.S.
Managing Director,
TNUIFSL,
Chennai. | Mentor |
| 10.Thiru M. Kathiravan, I.A.S
Commissioner,
Madurai Corporation | Member |
| 11.Dr.Vijaya Karthikeyan, I.A.S
Commissioner,
Coimbatore Corporation | Member |
| 12.Tmt M.Vijayalakshmi
Commissioner,
Trichy Corporation | Member |
| 13.Thiru N.Manohar
Commissioner,
Dindugul Corporation | Member |
| 14.Thiru P.Kumar
Commissioner,
Thanjavur Corporation | Member |
| 15.Thiru S.Sivasubramanian
Commissioner,
Tirunelveli Corporation | Member |

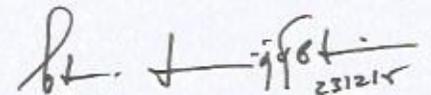
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|---------------------------------------------------------------------------|-----------------------------------------|
| 16.Thiru K.R.Selvaraj
Commissioner,
Salem Corporation | Member |
| 17.Thiru R.Mohan
Commissioner,
Erode Corporation | Member |
| 18.Tmt P.Janaki Ravindran
Commissioner,
Vellore Corporation | Member |
| 19.Thiru A.Laxmanan
City Engineer,
Thoothukudi Corporation | Representing
Thoothukudi Corporation |
| 20.Thiru M.V.D.Tamilselvan
Executive Engineer,
Tiruppur Corporation | Representing
Tiruppur Corporation |

The Chairperson and Managing Director, TUFIDCO elaborated the process adopted such as Citizen Engagement, Impact on the population, the rationale behind selection for Area based Development and PAN city Development Strategy by the Corporations for finalizing the 12 Smart Cities proposals before the Committee.

The Committee reviewed the Proposals presented by the 12 Corporations and deliberated in detail. The Committee accepted the rationale behind the strategy adopted by all the 12 Cities. The committee also directed that the technological options presented would have to be evaluated in detail for their technical feasibility and financial sustainability during projectisation stage. On discussion, the committee directed that the proposals be forwarded to Ministry of Urban Development, Government of India on-time.

K.GNANADESIKAN
CHIEF SECRETARY & CHAIRMAN OF HPSC

//True Copy//



Section Officer

POLICE DEPARTMENT

From
Sumit Sharan, IPS.,
Commissioner of Police,
Salem City.

To
The Commissioner,
Salem Corporation,
Salem.

C.NO: 1A8-2/COP/SLM©/2015, Date: 23.12.2015

Sir,

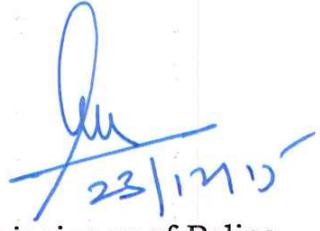
Sub: Police – Salem City – Installation of Tower, Camera Pole, Camera Booth – No objection for road cutting – Permission – requested – regarding.

Ref: G.O. Ms. No: 193 Home dept. Dt: 25.02.215

In the reference cited above, the government has sanctioned Rs.3,51,35,010 for installation of CCTV cameras with accessories in 56 intersections in Salem City. For the above said project "V Link Systems Pvt. Ltd, Chennai" has been selected through open tender system. The supply, Installation, Commissioning of the above said project is to be handled by the V Link Systems Pvt. Ltd, Chennai. Hence it is requested to give no objection for fixing movable booth (Size : 4x4x6), erection of pole in the center median and road cutting for laying cables like Cat-6 and power cable.

The list of places is enclosed.

Thanking you,


23/12/15
Commissioner of Police,
Salem City.

Location list for Road cutting and Booth fixing

S.No	Location	No of Cameras	No of PTZ Cameras	No of Pillar
1	Collectorate nattamai building	2		1
2	Pattai Kovil Junction	3		3
3	Rajaj Statue	3		2
4	Old Bus Stand Entrance	3	1	2
5	Old Bustand Exit	2		2
6	Old Bustand inside	2		2
7	Paul Market	3		2
8	Rajaganapathy Koil Junction	4		2
9	Kamala Junction	3		2
10	Three Theaters	3		2
11	Johnson pet Junction	3		1
12	Sundhar Nursing	3		1
13	New Bus Stand inside	6	2	5
14	New Bus Stand Entrance	5		4
15	New Bustand Exit	4		2
16	ARRS Multiplex theatres Junction	3		1
17	Jagireddipatty Junction	3		2
18	Karungalpatty Junction	3		2
19	Valluvar Statue	5		3
20	Prabath	3		2
21	Pulikuthi Junction	3		2
22	Nethimedu	3		1
23	Annathanapatty	4		2
24	Manal Market	3		2
25	Ponnammapet Junction	3		1

Location list for Road cutting and Booth fixing

26	Nanjampatti Junction	4		2
27	Dunlop	3		1
28	Hasthampatty Junction	4	1	3
29	Sundhar lodge	5		2
30	Anna Park	3		2
31	Four Roads	4		2
32	Gorimedu	3		1
33	Central Prison	2		1
34	Saradha College	2		1
35	Brindavan Road, Pranav Hospital	2		1
36	Fairlands P.S Junction	4		2
37	Five Road Junction Rathna complex	3	1	3
38	Five Road Junction	3		2
39	Joy allukas	3		1
40	Leigh Bazzar	3		2
41	Three Roads	3		2
42	Railway Junction	4	1	3
43	Ulavar sandhai	3		2
44	Pudu road	3		2
45	R.K road Junction	3		2
46	Collectorate Junction	4		3
47	Dadagapatty Junction	3		1
48	Gandhi Statue	3		2
49	Ayothiyapattinam	3		1
50	Thirumagal Bye Pass	6		3
51	Thiruvagoundanur Bye Pass	6		3
52	AVR Junction	6		4

Location list for Road cutting and Booth fixing

53	Kuranguchavadi	3		2
54	Steelplant &Vennankudi Junction	4		2
55	Kondalampatty	4	1	2
56	Seelanaikanpatty	4	1	4

Location list for Camera Pole fixing In Salem City Corporation limit

S.No	Location	No of Cameras	No of PTZ Cameras	No of Pillar
1	Collectorate nattamai building	2		1
2	Pattai Kovil Junction	3		3
3	Rajaj Statue	3		2
4	Old Bus Stand Entrance	3	1	2
5	Old Bustand Exit	2		2
6	Old Bustand inside	2		2
7	Paul Market	3		2
8	Rajaganapathy Koil Junction	4		2
9	Kamala Junction	3		2
10	Three Theaters	3		2
11	Johnson pet Junction	3		1
12	Sundhar Nursing	3		1
13	New Bus Stand inside	6	2	5
14	New Bus Stand Entrance	5		4
15	New Bustand Exit	4		2
16	ARRS Multiplex theatres Junction	3		1
17	Jagireddipatty Junction	3		2
18	Karungalpatty Junction	3		2
	Total	58	3	38

MINUTES OF THE THIRD STATE LEVEL HIGH POWERED STEERING COMMITTEE MEETING HELD ON 23.06.2016 AT 5.30 P.M FOR SMART CITY MISSION

The third meeting of the State Level High Powered Steering Committee for Smart City Mission was held in the Chief Secretary conference hall, Secretariat on 23.06.2016 AT 5.30 P.M under the Chairmanship of Dr.P.Rama Mohana Rao, I.A.S., Chief Secretary to Government .

The following members attended the meeting:

1	Thiru K.Shanmugam, I.A.S., Addl Chief Secretary to Government, Finance Department, Secretariat, Chennai-600 009	Member
2	Thiru K. Phanindra Reddy, I.A.S., Principal Secretary to Government Municipal Administration and Water Supply Department Secretariat, Chennai - 600009.	Member
3	Thiru S.Krishnan, I.A.S., Principal Secretary to Government, Planning Development and Special Initiatives Department, Secretariat, Chennai-600 009	Member
4	Thiru.Vikram Kapoor, I.A.S. Principal Secretary/Managing Director, Chennai Metropolitan Water Supply and Sewerage Board, Chennai- 600 002.	Member
5	Dr. S. Swarna, I.A.S. Chairperson and Managing Director, TUFIDCO, Nandanam, Chennai - 600 035.	Member-Secretary
6	Thiru. Vijayaraj Kumar, I.A.S. Managing Director, TamilNadu Water supply & Drainage Board, Chepauk, Chennai-600 009.	Member
7	Thiru.Sandeep Nanduri, I.A.S., Commissioner, Madurai Corporation	Member

8	Tmt. N.S.Prema, Commissioner, Trichy Corporation	Member
9	Thiru N.Manohar, Commissioner, Dindigul Corporation	Member
10	Thiru. M.Varadaraj, Commissioner, Thanjavur Corporation	Member
11	Thiru. Sivasubramaniam, Commissioner, Tirunelveli Corporation	Member
12	Thiru. K.R.Selvaraj Commissioner, Salem Corporation	Member
13	Thiru. Seenl Ajmalkhan, Commissioner, Erode Corporation	Member
14	Thiru T.Kumar, Commissioner, Vellore Corporation	Member
15	Tmt.R.Poongodi Arumaikkan, Commissioner Thoothukudi Corporation	Member
16	Thiru M.Ashokan, Commissioner, Tiruppur Corporation	Member

The Chairperson and Managing Director, TUFIDCO elaborated the process adopted such as Citizen Engagement, Impact on the population, the rationale behind selection for Area Based Development and PAN city Development Strategy by the Corporations for finalizing the 10 Smart Cities proposals before the Committee.

The Committee reviewed the Proposals presented by the 10 Corporations and deliberated in detail. The Committee accepted the rationale behind the strategy adopted by all the 10 Cities. The Committee requested to Incorporate all the basic service projects in the ABD area and also explore the possibility of more PPP projects. The Committee also directed that the technological options presented would have to be evaluated in detail for their technical feasibility and financial sustainability during projectisation stage. On discussion, the Committee directed that the proposals be forwarded to Ministry of Urban Development, Government of India on-time.

K. J. S.
24/6/16

Principal Secretary,
Municipal Administration and Water Supply Department

P. R. S. Madan Rao
24/6/2016

Chief Secretary to Government &
Chairman of the SHPSC