

## ANNEXURE 1

S. No	Feature	Definition
1.	Citizen participation	A smart city constantly adapts its strategies incorporating views of its citizens to bring maximum benefit for all. (Guideline 3.1.6)
2.	Identity and culture	A Smart City has a unique identity, which distinguishes it from all other cities, based on some key aspect: its location or climate; its leading industry, its cultural heritage, its local culture or cuisine, or other factors. This identity allows an easy answer to the question "Why in this city and not somewhere else?" A Smart City celebrates and promotes its unique identity and culture. (Guideline 3.1.7)
3.	Economy and employment	A smart city has a robust and resilient economic base and growth strategy that creates large-scale employment and increases opportunities for the majority of its citizens. (Guideline 2.6 & 3.1.7 & 6.2)
4.	Health	A Smart City provides access to healthcare for all its citizens. (Guideline 2.5.10)
5.	Education	A Smart City offers schooling and educational opportunities for all children in the city (Guideline 2.5.10)
6.	Mixed use	A Smart City has different kinds of land uses in the same places; such as offices, housing, and shops, clustered together. (Guidelines 3.1.2 and 3.1.2)
7.	Compactness	A Smart City encourages development to be compact and dense, where buildings are ideally within a 10-minute walk of public transportation and are located close together to form concentrated neighborhoods and centers of activity around commerce and services. (Guidelines 2.3 and 5.2)
8.	Open spaces	A Smart City has sufficient and usable public open spaces, many of which are green, that promote exercise and outdoor recreation for all age groups. Public open spaces of a range of sizes are dispersed throughout the City so all citizens can have access. (Guidelines 3.1.4 & 6.2)
9.	Housing and inclusiveness	A Smart City has sufficient housing for all income groups and promotes integration among social groups. (Guidelines 3.1.2)
10.	Transportation & Mobility	A Smart City does not require an automobile to get around; distances are short, buildings are accessible from the sidewalk, and transit options are plentiful and attractive to people of all income levels. (Guidelines 3.1.5 & 6.2)
11.	Walkable	A Smart City's roads are designed equally for pedestrians, cyclists and vehicles; and road safety and sidewalks are paramount to street design. Traffic signals are sufficient and traffic rules are enforced. Shops, restaurants, building entrances and trees line the sidewalk to encourage walking and there is ample lighting so the pedestrian feels safe day and night. (Guidelines 3.1.3 & 6.2)
12.	IT connectivity	A Smart City has a robust internet network allowing high-speed connections to all offices and dwellings as desired. (Guideline 6.2)

### ANNEXURE 3 - 1. LIST OF ABBREVIATIONS\*

ANPR	Automatic Number Plate Recognition
CDIA	Cities Development Initiative for Asia
CETP	Common Effluent Treatment Plan
CII	Confederation of Indian Industry
DDP	District Development Plan
ECMC	Erode City Municipal Corporation
ECP	Erode City Police
ECTP	Erode City Traffic Police
EESL	Energy Efficiency Services Limited
ESCO	Energy Service Company
IPDS	Integrated Power and Distribution System
ITDP	Institute for Transportation and Development Policy
ITS	Intelligent Transport systems
LED	Light-Emitting Diode
MIS	Management Information System
MLCP	Multi Level Car Parking
MLD	Million Litre per Day
MNRE	Ministry of New and Renewable Energy
MoP	Ministry of Power
MoUD	Ministry of Urban Development
MSME	Ministry of Micro Small and Medium Enterprises
NCRB	National Crime Records Bureau
NMT	Non-Motorised Transport
NTADCL	New Tirupur Area Development Corporation Limited
RFID	Radio-frequency identification
SLA	Service-Level Agreement
TANGEDCO	Tamil Nadu Generation and Distribution Corporation Limited
TNIDB	Tamil Nadu Infrastructure Development Board
TNPCB	Tamil Nadu Pollution Control Board
TNSCB	Tamil Nadu Slum Clearance Board
TNSUDP	Tamil Nadu Sustainable Urban Development Project
TNSTC	Tamil Nadu State Transport Corporation
TNUIFSL	Tamil Nadu Urban Infrastructure Financial Services Ltd.
TUFIDCO	Tamil Nadu Urban Finance and Infrastructure Development Corporation Ltd.
UGD	Under Ground Drainage
UGSS	Under Ground Sewerage System

\*Not exhaustive. Commonly used abbreviations such as CAGR, km and those already used in the Smart City Proposal guidelines have not been added here.

## ANNEXURE 3 - 2. LIST OF REFERENCES FOR QUESTION 1 - 43

This section provides sources, references and additional information pertaining to responses provided for Questions 1-43. Many of the documents referred to here, have also been uploaded on ECMC's website for public dissemination (Refer section 3 of this Annexure 3 for a list of such uploads)

No.	Sources, references and additional information
1	<p>a) Transportation condition</p> <p>Erode's City Mobility Plan. For document, refer section 3 (1a)</p> <p>b) Water availability in the city and reduction in water wastage/ NRW</p> <p>STATUS</p> <ul style="list-style-type: none"> <li>i. Tamil Nadu ordinance passed in 2003 to make rain Water harvesting Mandatory across the State. For document, refer section 3 (3a)</li> <li>ii. AMRUT SLIP on Water supply</li> <li>iii. – Same as Above-</li> </ul> <p>EFFORTS</p> <ul style="list-style-type: none"> <li>i. DPR for Dedicated Water Supply Scheme and AMRUT SLIP on Water supply</li> </ul> <p>c) Solid waste management programs in the city</p> <p>For document, refer section 3(3b) for the presentation on SWM initiatives of ECMC and Section 3(31c) for City development plan</p> <p>d) Safety/ security conditions in the city</p> <p><a href="http://ncrb.gov.in/CD-CII2013/Statistics-2013.pdf">http://ncrb.gov.in/CD-CII2013/Statistics-2013.pdf</a> for report by NCRB on Crimes in India 2013</p> <p>e) Energy availability and reduction of outages in the city</p> <p>Details collected from TANGEDCO. For document, refer section 3 (2m). Data on the availability of CCTV cameras obtained from ECTP</p> <p>f) Housing situation in the city, specifically role of municipality in expediting building plan approvals, property tax collection, etc.</p> <p>STATUS</p> <ul style="list-style-type: none"> <li>i. Citizen Charter uploaded in the ECMC website</li> <li>ii. DCB of ECMC</li> <li>iii. Erode City Development Plan. For document, refer section 3(1c) and Draft Slum free city action plan for Erode. For document, refer section 3(1b)</li> </ul> <p>EFFORTS</p> <ul style="list-style-type: none"> <li>i. Data shared by District Collector of Erode</li> </ul>
2	<p><a href="http://erodecorporation.gov.in/about_coporation.html#governance-button2">http://erodecorporation.gov.in/about_coporation.html#governance-button2</a>, <a href="http://erodecorporation.gov.in/salient_features.html#watersupply-button2">http://erodecorporation.gov.in/salient_features.html#watersupply-button2</a> and <a href="http://erodecorporation.gov.in/s/login">http://erodecorporation.gov.in/s/login</a> for the E-governance initiatives taken by</p>

No.	Sources, references and additional information
	<p>ECMC.</p> <p>View <a href="http://erodecorporation.gov.in/">http://erodecorporation.gov.in/</a> for the details available in the official website</p>
3	<p><b>STRENGTHS</b></p> <ul style="list-style-type: none"> <li>i. Erode District Development Plan.</li> <li>ii. Erode City Development Plan. For document, refer section 3(1c)</li> <li>iv. Erode CMP. For document, refer section 3(1a)</li> <li>v. Check <a href="http://olirumerodu.com/">http://olirumerodu.com/</a> and <a href="https://www.facebook.com/olirumerode">https://www.facebook.com/olirumerode</a> for the initiatives taken by the NGO Olirum Erode.</li> </ul> <p><b>Weakness</b></p> <ul style="list-style-type: none"> <li>ii. AMRUT SLIP for Sewerage.</li> <li>iii. For document, refer section 3(1c) CDP</li> <li>iv. AMRUT SLIP on Storm Water Drains.</li> <li>v. AMRUT SLIP for parks.</li> </ul> <p><b>Opportunities</b></p> <ul style="list-style-type: none"> <li>i. <a href="http://www.worldbank.org/en/news/press-release/2015/03/31/world-bank-improve-urban-services-tamil-nadu-india">http://www.worldbank.org/en/news/press-release/2015/03/31/world-bank-improve-urban-services-tamil-nadu-india</a> Erode being selected as one of the 3 model cities under TNSUDP</li> </ul> <p><b>Threats</b></p> <ul style="list-style-type: none"> <li>iii. Refer Erode financials of FY15 and investments identified in CDP. For document, refer section 3(1c)</li> </ul>
4	iv. Erode CMP for the key goals. For document, refer section 3(1a)
5	<p>Step 1- Refer Annexure 2 for the detailed Self Assessment of the City</p> <p>Step 2- For document, refer section 3(1a),(1b),(1c) for the city plans</p> <p>Step 3- Refer question 6, Section 3(2a) for the social media links, Section 3(2j) and Section 4 for detailed citizen engagement results</p>
6	<p>Section 3 (2a) for the social media links</p> <p>Section 3 (2d) and(2h) for the consultation questionnaire</p> <p>Section 3(2c) and (2g) for consultation presentations</p> <p>Section 3(2k) and (2l) for Press articles and Photographs of consultations</p> <p>Section 3(2j) and Section 4 for findings from Citizen Engagement</p>
7	Refer Annexure 2 for Self-Assessment of the City
8	
9	Section 3 (2n) for the baseline details of Area under ABD
	<p><b>Step I</b></p> <ul style="list-style-type: none"> <li>i. Refer Section 4 for the results of Citizen Pulse Survey</li> </ul> <p><b>Step II-</b> For document, refer section 3(2c) for the agenda of Technology workshop conducted by GoTN</p> <ul style="list-style-type: none"> <li>i. Check Section 4 for the Citizen Pulse Survey results and Area Based Development options</li> <li>iv. v. And vi. Refer Section 3(2n) for the population covered under ABD and the important landmarks in the area under ABD</li> <li>vii. DPR of Perumpallam Odai, DPR of DWSS and Section 3(1a) for CMP</li> </ul>

No.	Sources, references and additional information
	<p>proposals on NMT  <b>Step III</b>  For document, refer section 3(2g) for the Round II consultation presentation with the components of ABD proposal</p>
10	Refer Section 12 for spatial maps of ABP, Section 3 (2n) for the details of the population affected under ABD and Section 5 for Smart Solutions used
12	Section 5 for Smart Solutions used in ABP
13	<b>Table I</b> 1. AMRUT SLIPS 4. For document, refer section 3 (2m) for the details on IPDS 5. For document, refer section 3 (1b) for Slum-free city action plan
16	i. Closing the water loop <ul style="list-style-type: none"> <li>a. DPR of Perumpallam Odai</li> <li>b. DPR of DWSS and AMRUT SLIP on water supply</li> <li>c. RFP of TTRO and AMRUT SLIP on sewerage</li> <li>d. View <a href="http://articles.economictimes.indiatimes.com/2015-06-21/news/63671719_1_detailed-project-report-common-effluent-treatment-plants-nadu-pollution-control-board">http://articles.economictimes.indiatimes.com/2015-06-21/news/63671719_1_detailed-project-report-common-effluent-treatment-plants-nadu-pollution-control-board</a> and <a href="http://www.thehindu.com/news/national/tamil-nadu/erode-projected-as-ideal-investment-destination/article7520656.ece">http://www.thehindu.com/news/national/tamil-nadu/erode-projected-as-ideal-investment-destination/article7520656.ece</a> for news on the CETPs envisaged in Erode</li> </ul> ii. Sanitation and Solid Waste Management <ul style="list-style-type: none"> <li>e. For document, refer section 3(3b) for the SWM details of ECMC</li> </ul> iii. Seamless Mobility- For document, refer section 3(1a) for the CMP proposals <ul style="list-style-type: none"> <li>v. Affordable housing- For document, refer section 3(1b) for the Slum free city action plan</li> <li>vi. Energy Security- For document, refer section 3(2m) for the details on IPDS</li> <li>viii. IT connectivity, digitization and smart applications- <a href="http://erodecorporation.gov.in/about_coporation.html#governance-button2">http://erodecorporation.gov.in/about_coporation.html#governance-button2</a>, <a href="http://erodecorporation.gov.in/salient_features.html#watersupply-button2">http://erodecorporation.gov.in/salient_features.html#watersupply-button2</a> and <a href="http://erodecorporation.gov.in/s/login">http://erodecorporation.gov.in/s/login</a> for the E-governance initiatives taken by ECMC. View <a href="http://erodecorporation.gov.in/">http://erodecorporation.gov.in/</a> for the details available in the official website</li> </ul>
17	iii. <a href="http://www.worldbank.org/en/news/press-release/2015/03/31/world-bank-improve-urban-services-tamil-nadu-india">http://www.worldbank.org/en/news/press-release/2015/03/31/world-bank-improve-urban-services-tamil-nadu-india</a> Erode being selected as one of the 3 model cities under TNSUDP
21	Step I- <a href="http://erodecorporation.gov.in/about_coporation.html#governance-button2">http://erodecorporation.gov.in/about_coporation.html#governance-button2</a> , <a href="http://erodecorporation.gov.in/salient_features.html#watersupply-button2">http://erodecorporation.gov.in/salient_features.html#watersupply-button2</a> and <a href="http://erodecorporation.gov.in/s/login">http://erodecorporation.gov.in/s/login</a> for the E-governance initiatives taken by ECMC. View <a href="http://erodecorporation.gov.in/">http://erodecorporation.gov.in/</a> for the details available in the official website

No.	Sources, references and additional information
	Step II- For document, refer section 3(2j) and Section 4 for the findings of Citizen engagement, Section 3(2a),(2b), (2h) and (2g) for the links on social media, agenda of technology workshop conducted by GoTN, questionnaire on pan-city and round II presentations.
22	Safety and Security- Check Section 4 for the findings from citizen engagement Citizen Opinion and Aspirations- Refer Section 3(2j) and Section 4 for results of Citizen Pulse survey, priority options of Pan city Proposal.
31	Refer Section 3(2n) for the details of the Area under ABD
35	For document, refer section 3(3b) for the presentation on PPP initiatives in SWM.  6. RFP on TTRO  7. <a href="http://www.thehindu.com/news/national/tamil-nadu/erode-plans-energy-saving-measures/article6787032.ece">http://www.thehindu.com/news/national/tamil-nadu/erode-plans-energy-saving-measures/article6787032.ece</a> shows that erode has taken steps to analyse the viability of PPP
37	Refer Section 3(2o) for charts on financial plan and the spreadsheet on the financial Plan
38	
39	
40	Refer Section 10 and Section 3(2o) for the summary, charts and assumptions of financial Plan
41	Component wise plan for covering O&M costs  ii. DPR of Perumpallam Odai iii. Water supply benchmarks in AMRUT SLIPS ix. <a href="http://www.thehindu.com/news/national/tamil-nadu/erode-plans-energy-saving-measures/article6787032.ece">http://www.thehindu.com/news/national/tamil-nadu/erode-plans-energy-saving-measures/article6787032.ece</a> shows the energy saving plans of ECMC
42	Refer Section 10 for the financials of Erode

## **ANNEXURE 3 - 3. DOCUMENTS/ INFORMATION ON ECMC WEBSITE**

Website: <http://erodecorporation.gov.in/>

### **1. City Level Plans**

- a. Erode City Mobility Plan
- b. Slum- free city action plan
- c. City development Plan of Erode
- d. Territory treatment plant with Reverse osmosis.

### **2. Smart City Related**

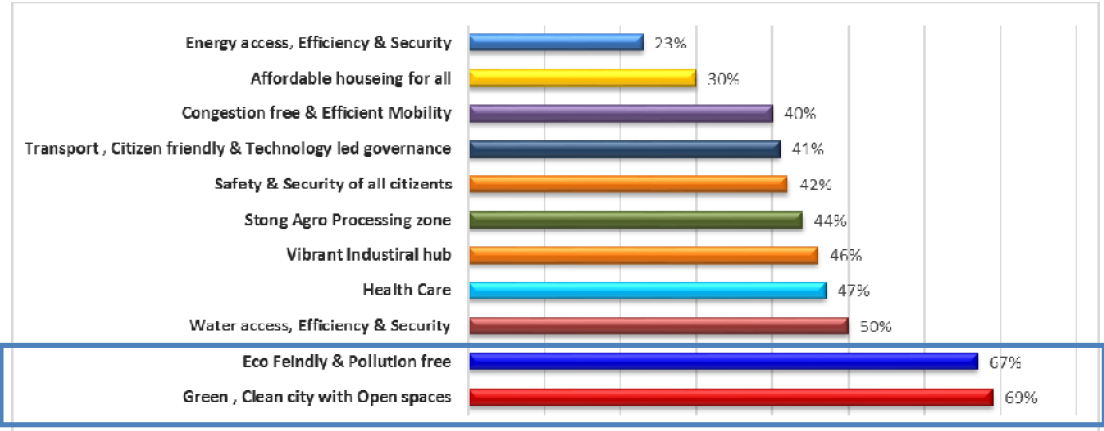
- a. Social Media Links and Screen shots: Facebook (Smart City Erode and Olirum Erode), MyGov and Twitter page
- a. Technology Options workshop. 8th October. List of speakers and agenda
- b. Presentation used for steering Round I Consultations
- c. Citizen Pulse Survey questionnaire
- d. Report on City wide Concept Plan
- e. Presentation during State Review - I
- f. Presentation used for steering Round II Consultations
- g. Pan-city poll questionnaire
- h. Presentation during State Review – II
- i. Findings from Citizen Engagement
- j. Press coverage – select clippings
- k. Consultations – select photographs
- l. Details collected from Line departments; TNSCB and TANGEDCO
- m. Area based proposal – Baseline information on wards covered
- n. Financial Plan- Charts

### **3. Other city information, case studies and documents referred in preparation of Smart City Proposal**

- a. Tamil Nadu Municipal Laws ordinance, 2003, dated July 19, 2003 on making Rainwater harvesting
- b. Presentation on SWM initiatives of ECMC

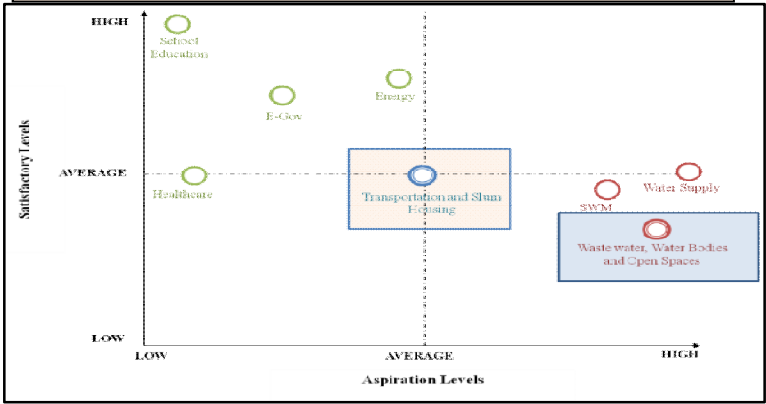
## ANNEXURE 3 - 4. CITIZEN ENGAEMENTS - PRIORITY EMERGING FROM CONSULTATIONS

### Vision Themes

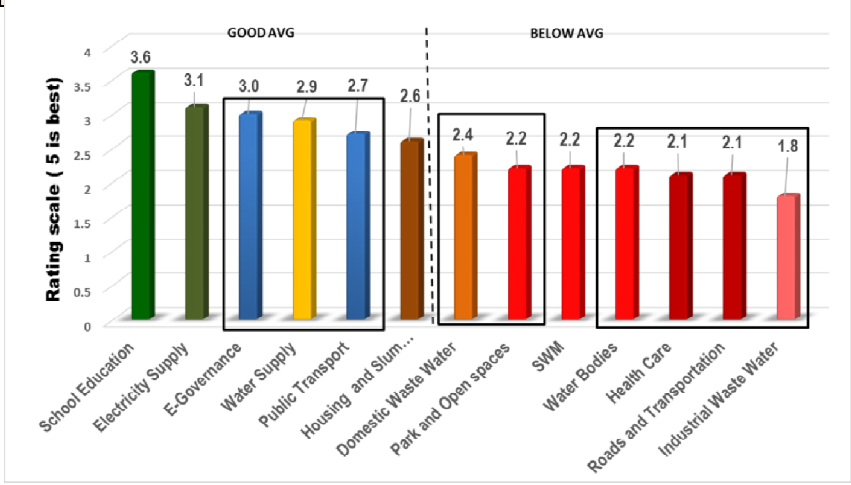


> 10766 respondents through face to face, facebook, mygov, Group discussions, Media & Bulk SMS, Town Halls Zonal Wise etc

### Aspirations Vs. Satisfaction Matrix



### Perception on prevailing serviced delivery





# CITIZEN ENGAGEMENTS PHOTOGRAPHS

 <div data-bbox="590 331 947 518" style="background-color: #76b82a; color: white; padding: 10px;"> <p><b>Face-to-Face meetings</b></p> <ul style="list-style-type: none"> <li>✓ Line Departments</li> <li>✓ NGOs, Active City Society Clubs, Residential Welfare associations</li> <li>✓ Industrial Players and traders</li> <li>✓ College Students</li> <li>✓ Doctors Association, Teachers/ professors, Chamber of Commerce, Traders</li> </ul> </div>	<div data-bbox="1066 321 1417 500" style="background-color: #a52a2a; color: white; padding: 10px;"> <p><b>Elected Representatives &amp; City Administration</b></p> </div> 
<div data-bbox="180 834 974 1065" style="background-color: #f0f0f0; padding: 5px;"> <p><b>CII, Industrialists and Oil from Erode NGO's – Discussion</b></p> </div> 	<div data-bbox="1113 870 1472 1032" style="background-color: #6a3d9a; color: white; padding: 10px;"> <p><b>Zonal level Consultation</b> (All 4 zones covered)</p> </div> 



Discussion with Collage students



Micro level discussions ULB Government Officials



Lion club & Engineers Association

## ஸ்மார்ட் சிட்டியாக மாற்ற கருத்துக்களை சொல்லுங்கள்

சேலம் மற்றும் ஈரோடு மாநகராட்சியை, அனைத்து வசதிகளும் நிறைந்த 'ஸ்மார்ட் சிட்டி'யாக மாற்றப்பட உள்ளது. இதற்காக பல்வேறு தரப்பட்ட மக்களிடமிருந்து கருத்துக்கள் கேட்கும் பணி தொடங்கியுள்ளது.

நாம் வாழும் நகரமும் எந்த அளவுக்கு முன்னேற வேண்டும் என்ற ஆசையும், விரும்பும் உங்கள் ஒவ்வொருவருக்கும் இருக்கும். அந்த விரும்பத்தை நிறைவேற்றும் வகையில் நம் நகருக்குச் செய்ய வேண்டிய பணிகள், திட்டங்கள் மற்றும் மாநகர மக்கள் எதிர்பார்க்கும் வசதிகள் ஆகியவை குறித்து அதிகாரிகளின் கவனத்திற்கு கொண்டு செல்ல, 'தி இந்த்' உங்களுக்கு பாதை விரிக்கிறது.

சேலம் மற்றும் ஈரோடு மாநகராட்சியை சேர்ந்த வாசகர்கள் கருத்துக்கள், ஆலோசனைகளை எங்களுக்கு அனுப்பலாம். அவை, 'தி இந்த்' நாளிதழில் வெளியிடவேண்டுமோ, மொத்தமாக கருத்துக்கள் தொகுக்கப்பட்டு சம்பந்தப்பட்ட அதிகாரிகளிடம் ஒப்படைக்கப்படவுள்ளது.

கனவு நகரை உருவாக்க கருத்துக்களை அனுப்ப வேண்டிய முகவரி

**'ஸ்மார்ட் சிட்டி' ஆலோசனை திட்டமிடும் இந்து**

4/95, ராஜா டவர்ஸ், 2-வது மாடிக், புதிய பஸ் நிலையம் ரோடு, மெய்யனூர், சேலம் - 636 004.  
மின்னஞ்சல்: [repsalem@thehinduonline.com](mailto:repsalem@thehinduonline.com)

## பொலிவான நகரம் திட்டம் அக.அ. ஆம் தேதி வரை ஆலோசனை வழங்கலாம்: ஈரோடு மேயர் தகவல்

ஈரோடு, செப்.24

மாநகராட்சியை இணைப்பது தொடர்பான கருத்துக்கள் இணையதளம் மூலமாக அக்டோபர் 31-ஆம் தேதி வரை பொதுமக்கள் ஆலோசனை வழங்கலாம் என ஈரோடு மேயர் ப.மன்.சி.பா. பரமசிவம் அறிவித்துள்ளார். பொலிவான நகரம் திட்டத்தில் முதல் கட்டத்தில் சீரோடு மாநகராட்சியை சேர்ப்பதற்கான நிதி முயற்சியும் மாநகராட்சி நிர்வாகம் எடுப்பட்டுள்ளது. இதற்காக தன்யார் ஆலோசனை நிறுவனத்தின் உதவியுடன் சுருக்கிய தரவரிக்கும் (பனி விரைவில் நடைபெறவுள்ளது) இடமாக ஆலோசனைக் கூட்டம் மாநகராட்சி அலுவலகத்தில் நடைபெற்று இருக்கிறது. உள்நாட்டு முன்னிலைப் பிரேரணைகள் மையத்தில் அமைக்கப்பட்ட கருத்து கேள்விகளும், துறைமுகத்துக்கு நல்லகை வசதிக்கீட்டு ரோடு மேயர் ப.மன்.சி.பா. பரமசிவம் மேலியலவை மத்திய அரங்கம் நகர்ப்புற வளர்ச்சி அலுவலகத்தின் பொலிவான நகரம் (ஸ்மார்ட் சிட்டி) திட்டத்தினை பட்டியலில் சீரோடு மாநகராட்சி இடம் பெற்றுள்ளது. இதற்கிடப்பட்டும், மாநகரம் முழுமையும் பக்கவாது அடங்கிவிடுவது பணிகள் கு. 500 கோடி மதிப்பில் 3 ஆண்டுகளில் மேற்கொள்ளப்படவுள்ளன. சீரோடு மாநகராட்சியில் மேற்கொள்ளப்பட வேண்டிய பணிகள் குறித்து மண்டலம் வாரியாக பொதுமக்களிடம் சுருத்தும் கேட்கப்படும். பணிகள் குறித்து தொகுக்கப்பட்டவுடன், அந்தக் தேவையான பணியாளர் உள்ளிட்ட தேவையான நிபுணர்களை அனுப்புவது ஆலோசனைகளை எங்க [www.repsalem.com](http://www.repsalem.com) உள்ள முகவரி மற்றும் மாநகராட்சி இணையதளம் மூலமாகப் பொதுமக்கள் அறிவிக்கலாம். மண்டல அலுவலகங்களில் வைக்கப்படும் ஆலோசனைப் பெட்டிகளிலும் தயங்காது கருத்துக்களைப் பதிவு செய்யலாம் ஏற்கனவே சீரோடு மாநகராட்சியில் மாநகரம் சாக்கடைத் திட்டம், புறநகரில் திட்டம் மேயர் தகவல் தொடர்பு வழியில் உடனடி சார்படுத்த கேட்டும், குடிநீர் திட்டத்தினை ஒத்திடுவது பற்றி மேயர் செட்டியாருவருக்கு ஏன்வே பொலிவான நகரம் திட்டத்தை இடம் செயல்படுத்தலுக்கு சாத்தியம் உள்ள இடத்தில் மண்டல ஆட்சியர் எல்.பிரபாகர், துணை மேயர் கே.சி. முனிசாமி, மாநகராட்சி ஆலுவலக மேயர் உள்ளிட்டோர் பங்கேற்றனர்.

## 'Smart City Project to Bring Infra Boost'

**Express News Service**

**Eroder:** Under the Smart City project, basic amenities in the city would be improved, said Collector S Prabhakar.

Speaking at a public hearing in the Corporation office on Monday, the Collector said that under the scheme, Perumpalam, Pit-chikarappalam and Sun-nambai canals, that carry sewage from the city, would be cleaned fully. "Along with that, the drains existing of the entire city would get a facelift. The long-pending Uratchikkottai drinking water scheme would also be included in the scheme for improving the water supply system in the city. We have already drafted a plan for improving the traffic system here by constructing more flyovers, bridges, pathways, signals, subways etc," he said.

Already the Tamil Nadu Electricity Board (TNEB) has envisaged a ₹50 crore underground electric cable laying work in important streets of the town.

"Before implementing the project, we are collecting ideas from councillors, businessmen and officials. It would be compiled and sent to the Centre for getting fund," he added.

Officials from the district administration said that the Ministry of Urban Development selected two cities, including 12 in the state, under the Smart city project. The Centre would allot ₹500 crore for each city in the next five years. The State government would also grant ₹500 crore.

On the basis of the comprehensive plan submitted, 20 cities would be selected this year and the rest would get fund from the Centre only from next year. Hence the Erode corporation is taking efforts to get the fund from this year itself, the officials added.

Corporation officials who explained features of the Smart City project to the city's councillors have sought suggestions from them in writing to incorporate them into the comprehensive plan to be submitted to the Centre.

At the meeting held at the Corporation here on Monday, a few councillors including V.K.K. Duraisamy and M.G. Palanisamy gave their suggestions. The officials then asked all councillors to give their suggestions in writing.

## THE HINDU

• TODAY PAPER - TAMIL NADU  
Published: November 23, 2012 00:00 IST | Updated: November 23, 2012 00:04 IST | Edition: November 23, 2012

**'Envisage equitable development of peripheries'**

• Special Correspondent

Suggestions include maintenance of three major canals

From right: District Collector S. Prabhakar and Mayor Malliga Paramanathan at a meeting on Smart City in Erode • Photo: M. Govindhan

A suggestion voiced by District Collector S. Prabhakar for expanding the urban landscape of Erode city through faster developments at peripheries found many takers during step-by-step discussion on Smart City here recently.

After listening to a presentation made by CRA Management Consulting Services (MCS) that prioritized development of the 12-km long Perumpalam Old and Sunnambai areas in view of the density of numerous houses in the region, the Collector observed that while all three canals Perumpalam, Pit-chikarappalam Old and Sunnambai Old, could be developed and maintained well at much lesser than envisaged investments, there was a need to integrate a plethora of other development aspects into the Smart City plan.

Alongside exploring scope for elevated parking, and creation of greenery inside the city limits, establishments that attract vehicular traffic, building materials must be shifted out. The Collector also suggested for linking Pit-chikarappalam Old for extending the King Road in the Smart City plan, saying that the project under advanced stage of implementation will prompt establishments to shift their bases along the King Road on their own will.

**Issue ahead**

Mr. Prabhakar also urged Railway officials to extend their cooperation for shifting the bus stand elsewhere so that the City Corporation would have no hitch in maintaining the Perumpalam canal, and setting up playgrounds, walk tracks, and green spaces.

**'Award Declaration'**

A children's Park, with tennis, badminton, and play grounds are the other factors that require integration into the Smart City project. Development plan for Smart City project needs to be finalised in such a way that there is no duplication of the works that have already been approved under convergence schemes, the Collector said.

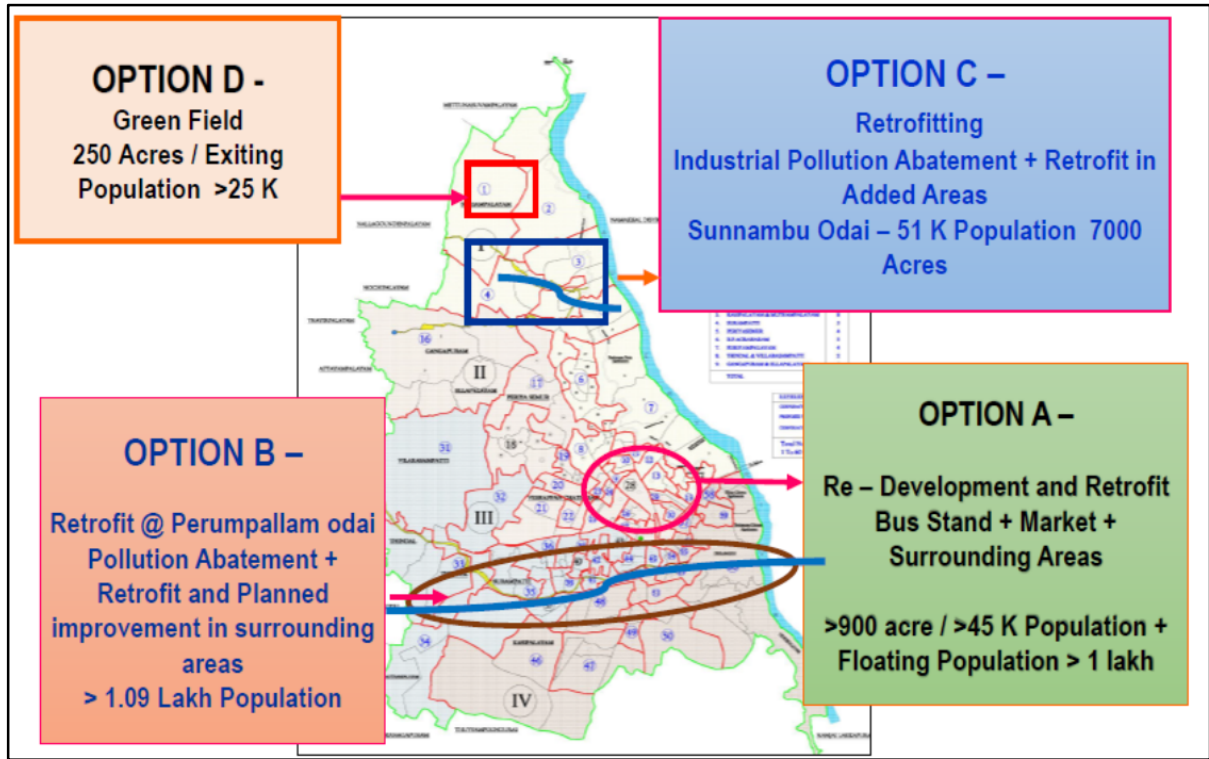
In his presentation earlier, MCS Consultant stated that of the three development options generalised, redevelopment, and retrofitting, the last suited Erode city better. The presentation also laid emphasis on improving the bus stand and market, and providing Sunnambai Old. Under the City Smart Initiatives, several aspects including water supply, CCTV surveillance, and intelligent transport system were covered. Mayor Malliga Paramanathan, Deputy Mayor K.C. Palanisamy, Corporation Commissioner H. Manian, and representatives of Erode Roads Foundation, Federation of MS Traders and Industries Association, and social and welfare organisations took part. The envisaged discussion initiated by CRA Management Consulting Services (MCS) during September witnessed representation of industry, business and welfare organisations having emphasis on drinking water, sanitation, improving power availability.

## ANNEXURE 3 - 5. ERODE'S POSITION ON SMART CITY CHARACTERISTICS

Sl. No.	Parameter	Prevailing scenario	Aspiration (in 5-10 years)
<b>City structure, economy, mobility and open spaces</b>			
1	<b>Compact</b>	1	3
2	Identity and Culture	2	3
3	<b>Public Open spaces</b>	1	4
4	<b>Transport</b>	2	4
5	<b>Walkability</b>	2	4
6	Economy and Employment	3	4
7	Mixed use	3	4
<b>Energy, Water, Sanitation and Environment</b>			
8	<b>Waste-water management</b>	1	4
9	<b>Water supply</b>	2	3
10	<b>Water management</b>	2	4
11	<b>Air quality</b>	2	4
12	<b>Sanitation</b>	2	4
13	<b>Waste management</b>	2	4
14	Underground Electric wiring	2	3
15	Energy supply	3	4
16	Energy source	4	4
17	Energy efficiency	3	4
<b>Housing, Inclusiveness and Social Infrastructure</b>			
18	Safety and security	3	4
19	<b>Housing and Inclusiveness</b>	2	4
20	Education	3	4
21	Health	3	4
<b>Citizen Engagement, Governance and IT-led service delivery</b>			
22	Citizen Participation	3	4
23	<b>IT Connectivity</b>	2	4
24	<b>Intelligent Government services</b>	2	4

Note: Eight of these characteristics (bold/shaded in Table) have a gap of 2 levels or more between prevailing status and aspiration, and identified as Priority focus areas. In addition, Water Supply and Sanitation have been added despite just 1 level gap, as the transition is targeted in a shorter timeframe.

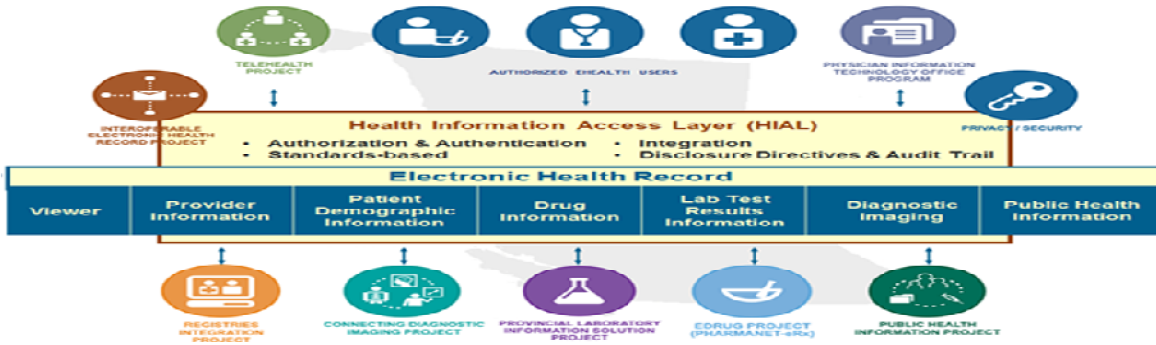
**ANNEXURE 3 - 6. AREA BASED DEVELOPMENT - OPTIONS AND EVALUATION**



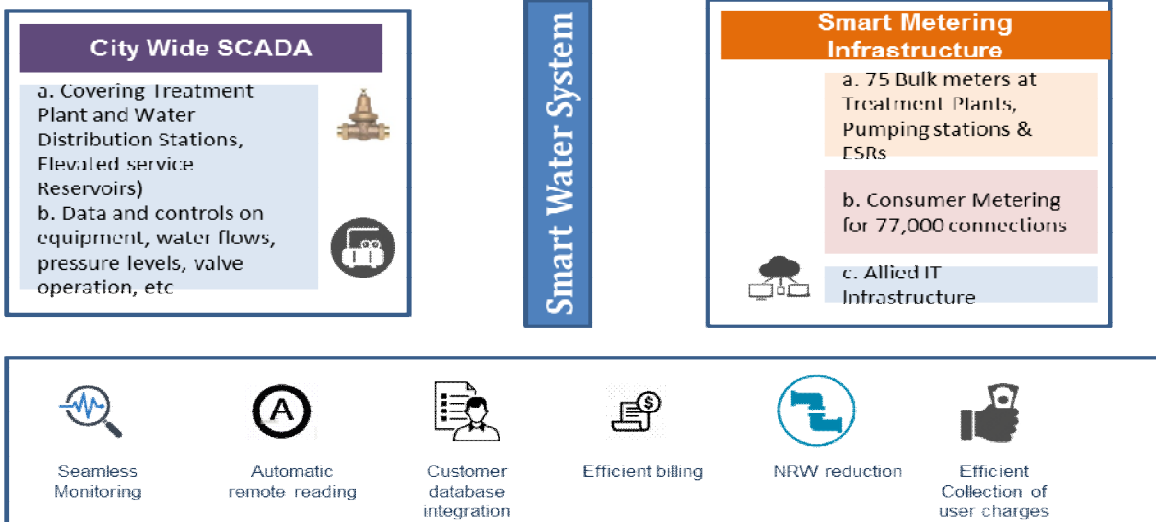
Option	Challenges	Impact	Remarks	
<b>A</b>	<b>Market + Bus stand</b>	<b>High</b>	<b>High</b>	<b>Land Aquisition R&amp; R Issues Stake Holders buy - In Core Area of City</b>
<b>B</b>	<b>Perumpallam odai</b>	<b>Low</b>	<b>High</b>	<b>21% of City's Population Guide Planned Development DPR is ready for Development</b>
<b>C</b>	<b>Sunnambu Odai</b>	<b>Medium</b>	<b>High</b>	<b>Severe Pollution Issues over 35 MLD Discharge Added Area</b>
<b>D</b>	<b>Green Field</b>	<b>High</b>	<b>High</b> (but in long term)	<b>Land Aquisition Immediate impact not seen</b>

## ANNEXURE 3 - 7. PAN CITY INITIATIVES - OPTIONS AND EVALUATION

### PC# 1- E- Health systems



### PC# 2- Smart Water Grid - Metering & Monitoring



### PC# 3- Smart Surveillance and Traffic Management



**ANNEXURE 3 - 8. SMART SOLUTION EMBEDDED IN SCP AND ECMC INITIATIVES**

Sl. No	Smart Solutions	Funding	Status
1	GIS Mapping and Spatial Information Centre	Smart City Mission	Part of the Area Based Development (ABD) which can be extended city-wide. GIS survey already initiated
2	Web-enabled E-Governance Application	State	State wide E-governance platform is under preparation
3	Mobile Governance and Citizen Engagement platform	State	State wide initiative to move to M-governance
4	Automatic Building Approvals	State	State wide E-governance platform is under preparation
5	E-Health Systems	Smart City Missions / State / Gol	City initiated for health services and Pan city initiative under smart city mission
6	Integrated CCTV surveillance with Energy Efficient Lighting	PPP/ State	Have initiated the process of converting all lamps to LED
7	Online Water Quality monitoring - STPs	State/City	Under State/City initiative
8	Online Ambient Air Quality Monitoring	Smart City Mission	City Initiative under Smart cities Mission
9	Online Water Quality monitoring - Odai	Smart City Mission	As part of Area Development Plan
10	Dump Yard Remediation + Waste Processing Facility - Centralized	City/PPP	City has identified the facilities to be constructed
11	Intelligent Transport System (ITS)	State/City	Driven through TNSTC as identified in CMP
12	Waste Water Recycling	PPP/ State	Feasibility study for the Tertiary Treatment Reverse Osmosis (TTRO) plant in the city has been initiated
11	SWM - RFID tracking of vehicles		Already in place
12	SWM – Processing		Already in place; expansion underway

**ANNEXURE 3 - 9. LIST OF PRIVATE SERVICE PROVIDERS MET / INTERACTED WITH**

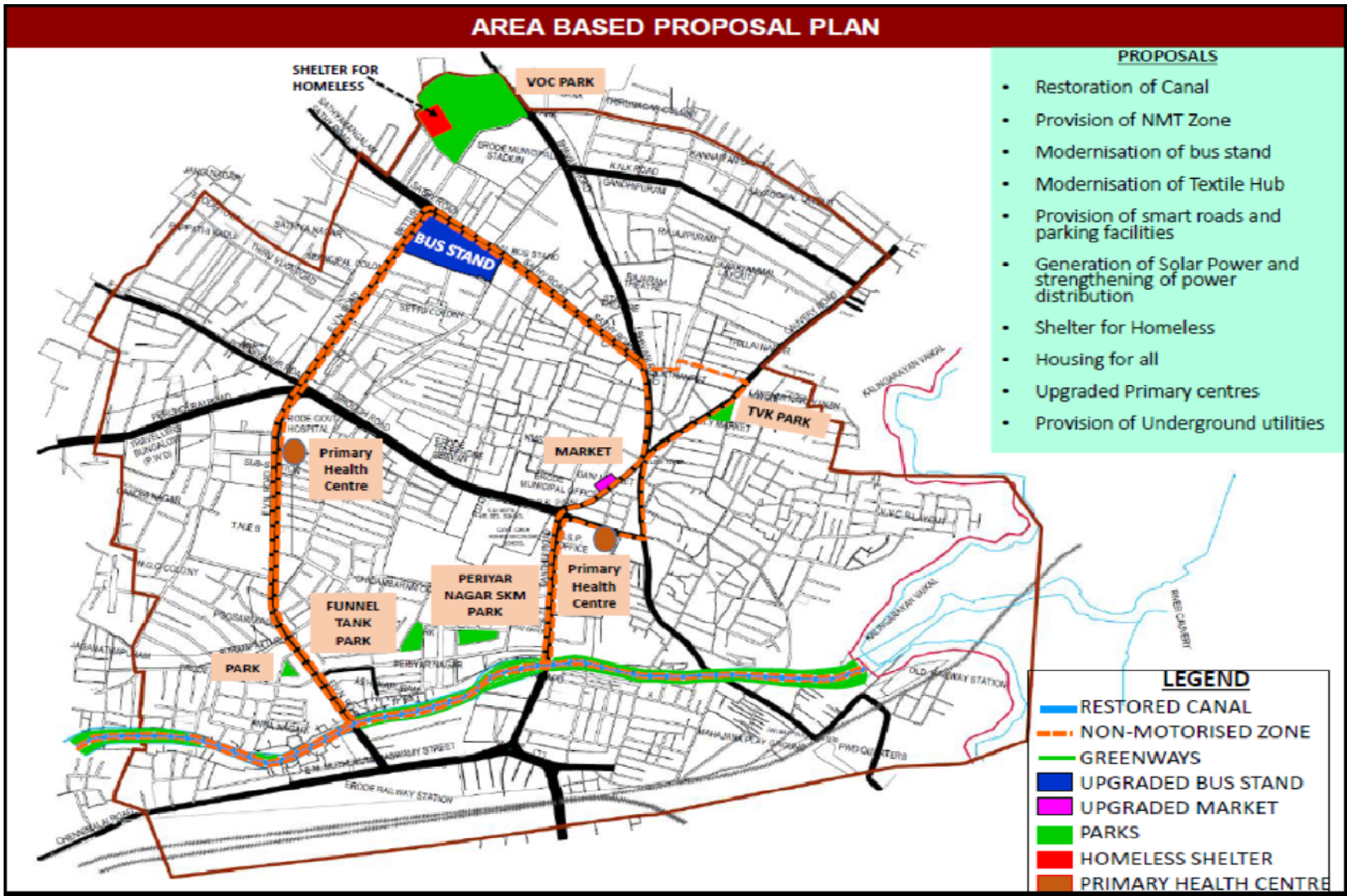
- ❖ Airtel
- ❖ Black and Weatch India
- ❖ CISCO Systems, Inc.
- ❖ ESRI
- ❖ Hyflux India
- ❖ IBM India Pvt. Ltd.
- ❖ Infosys
- ❖ Intergraph
- ❖ L&T - ECC Limited
- ❖ MindTek
- ❖ Oracle
- ❖ RAMCO
- ❖ Robert Bosch Engineering & Business Solutions
- ❖ Suez International
- ❖ Tata Consultancy Service Limited
- ❖ Tech Mahindra
- ❖ Wipro

**ANNEXURE 3 - 10. SELECT CITIZEN FORUMS/ ASSOCIATIONS THAT SUPPORTED THE SCP PROCESS**

- Olirum Erode
- Rotary club
- Lion's club
- URC Constructions
- Confederation of Indian Industry
- Kongu Engineering College
- Sri Vasavi Educational Institutions
- Vellalore College of Women
- Bharathinagar Residents Association
- Engineers Association Erode Chapter
- Federation of Trade Association
- All Trade and Industry Association
- All Textile Processors Association
- All India Medical Association



ANNEXURE 3 - 11. AREA BASED DEVELOPMENT PROPOSALS



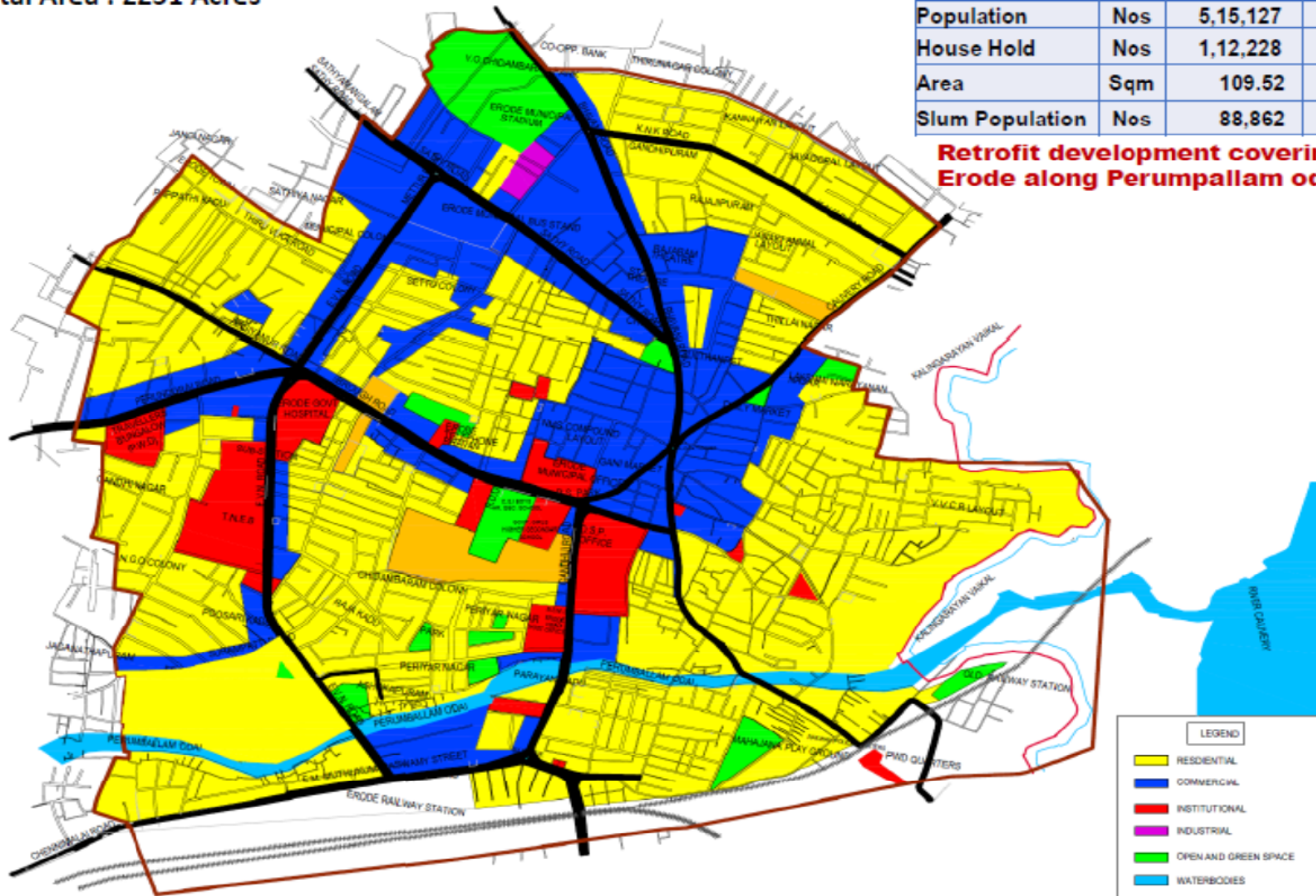
Area Based Development Proposals – Existing Land use

**EXISTING LAND USE MAP OF ABD AREA**

Total Area : 2251 Acres

Particulars	Unit	CITY	ABD	%
Population	Nos	5,15,127	1,09,752	21%
House Hold	Nos	1,12,228	30,467	27%
Area	Sqm	109.52	9.11	8%
Slum Population	Nos	88,862	13,173	15%

**Retrofit development covering southern Erode along Perumpallam odal**



LEGEND

<span style="color: yellow;">■</span>	RESIDENTIAL
<span style="color: blue;">■</span>	COMMERCIAL
<span style="color: red;">■</span>	INSTITUTIONAL
<span style="color: purple;">■</span>	INDUSTRIAL
<span style="color: green;">■</span>	OPEN AND GREEN SPACE
<span style="color: lightblue;">■</span>	WATERBODIES
<span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span>	ROADS
<span style="border-bottom: 1px dashed black; width: 20px; display: inline-block;"></span>	RAILWAY LINE

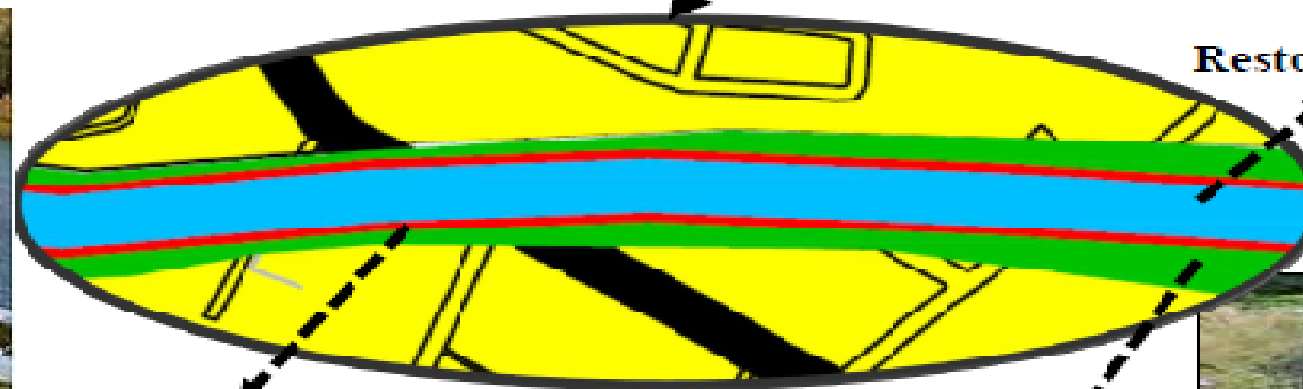
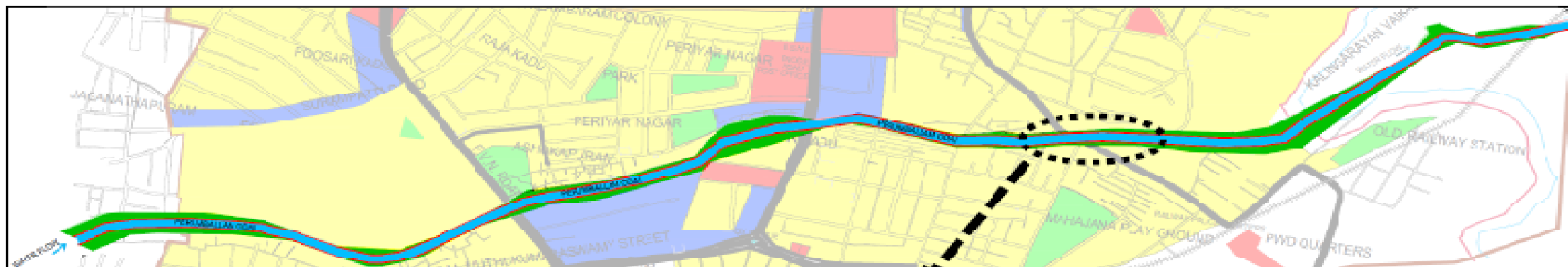
**AREA BASED PROPOSAL : RESTORATION OF CANAL**

**POLLUTED PERUMPALLAM CANAL**



**CANAL RESTORATION**

- Cycle track and Greenways to be provided on both sides of the canal to prevent pollution and encroachment of the canal.
- Recreational facilities such as parks to be promoted.



**Restored Perumpallam Canal**

**Non-Motorised Transport Zone**

**Greenways to be developed**

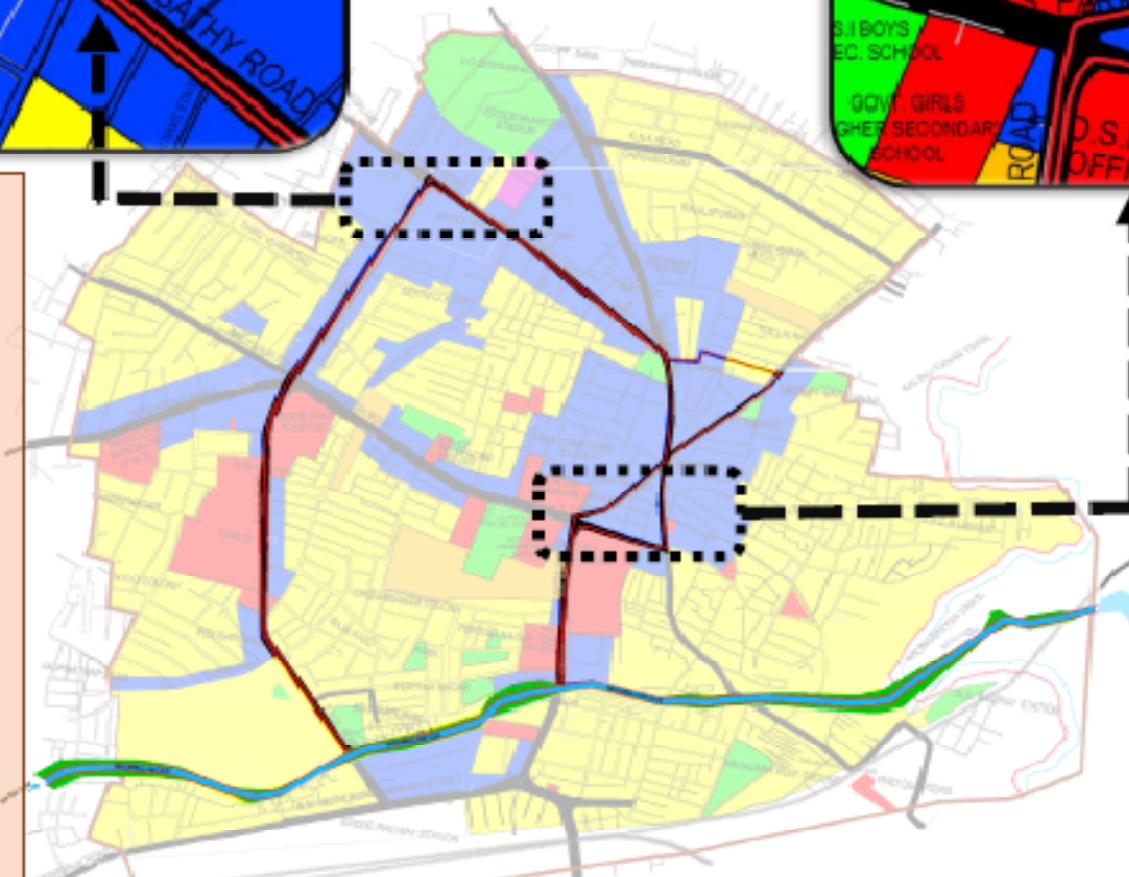


## AREA BASED PROPOSAL : PROVISION OF NON-MOTORISED TRANSPORT ZONE

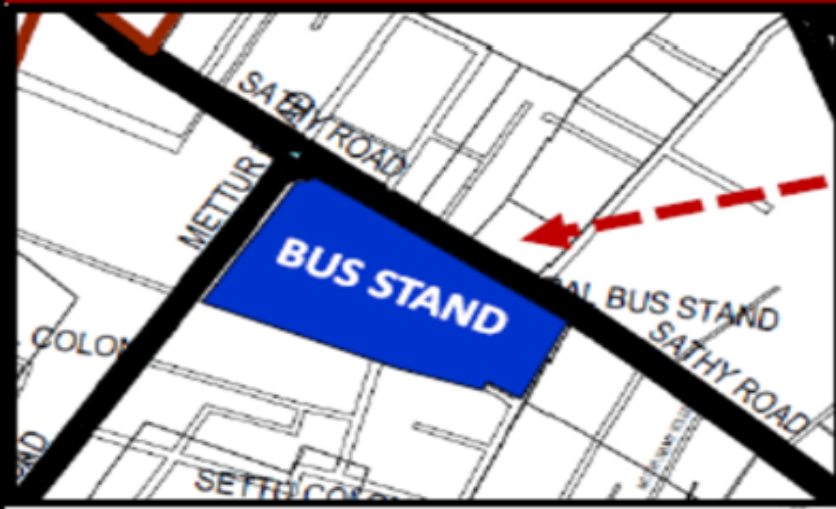


### NON-MOTORISED TRANSPORT ZONE

- Promotion of Non-Motorised Transport by providing NMT zones along with greenways.
- Perumpallam canal is interconnected with CBD Area, bus stand, railway junction and recreational areas by the NMT Zone.
- Greenways provided on both sides of the canal.



**AREA BASED PROPOSAL : MODERNIZATION OF BUS STAND**

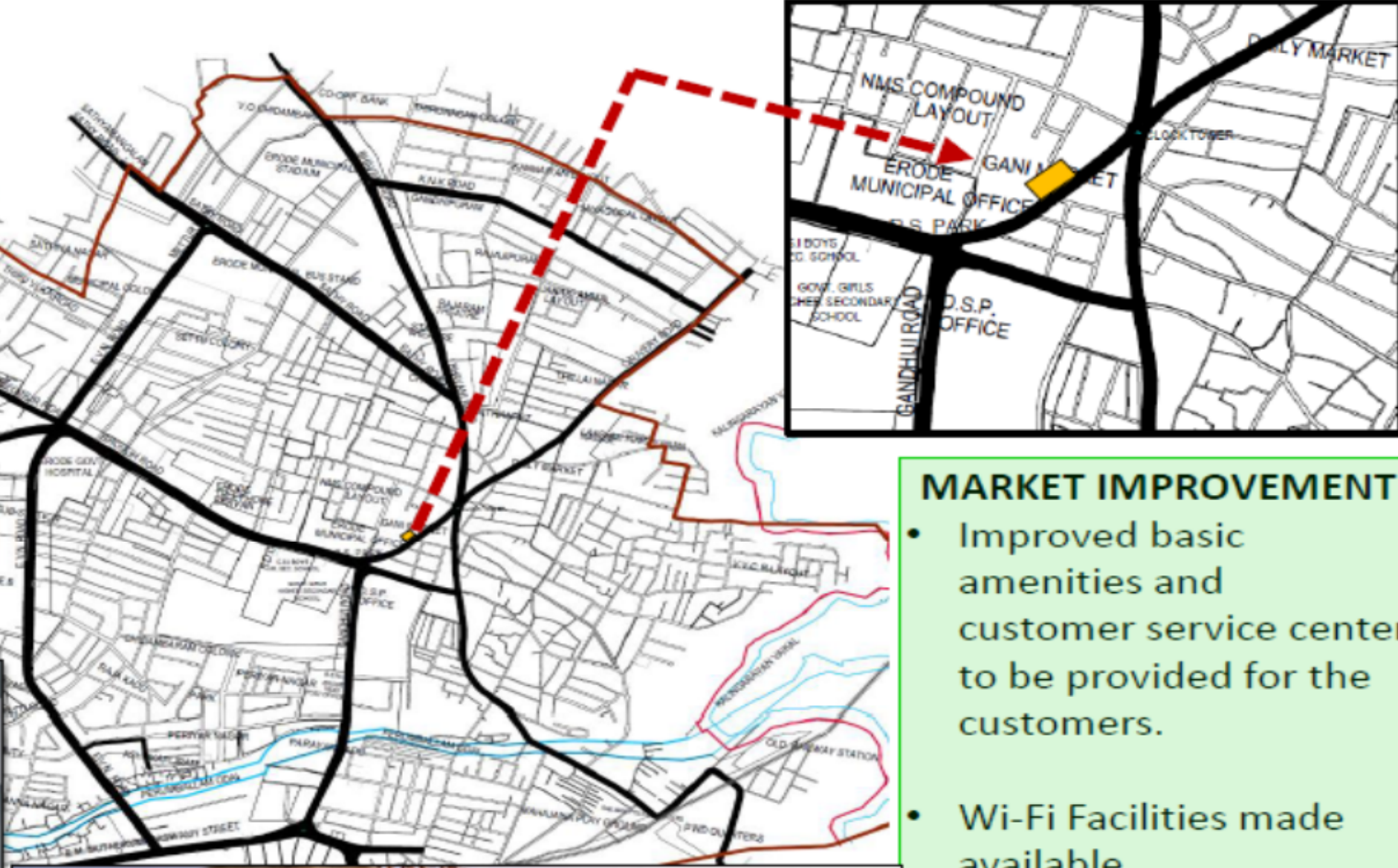
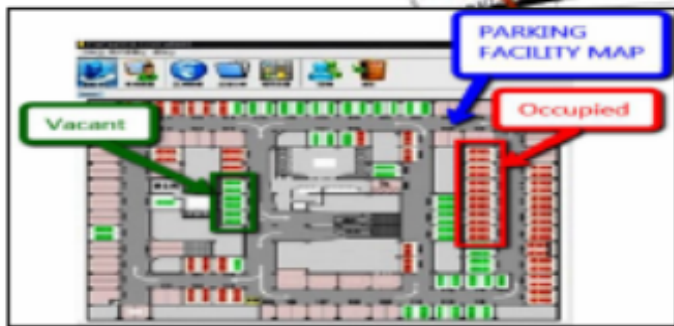


- SMART BUS STAND**
- Electricity powered by Solar panels.
  - Wi-Fi facilities made available.
  - Passenger Communication Systems such as digital display boards, real time monitoring system.
  - Smart Parking facilities within the bus stand.

1	424	FULHAM, CANNONS	2mins
2	85	PUTNEY BOG	2mins
3	93	PUTNEY BRIDGE	6mins
4	85	PUTNEY BOG	11mins



## AREA BASED PROPOSAL : MODERNIZATION OF MARKET



### MARKET IMPROVEMENT

- Improved basic amenities and customer service center to be provided for the customers.
- Wi-Fi Facilities made available.
- Smart parking facilities.
- Facilities for Online trading.

**AREA BASED PROPOSAL : PROVISION OF SMART ROADS**

### SMART ROADS

- Major roads to be developed as smart roads.
- Street lights powered by Solar panels.
- Smart signals and road markings.
- Promotion of NMT zone.
- Smart Parking Facilities facilitated with smart parking sensor platforms.
- ITS which provides real time traffic updates.
- Underground Utilities to be provided.

**Smart Parking**

- 1 CHECK  
Estimate cost availability in parking zones
- 2 DIRECTION  
Navigate driver to parking zone
- 3 PARKING  
Connecting sensors gather vehicle data
- 4 PAYMENT  
Payment via Parking App / Connected digital payments

## AREA BASED PROPOSAL : PRIMARY HELATH CENTRE IMPROVEMENTS



- ### Improvement of Primary Health Centre
- Improved all basic amenities to the patients
  - Improved Lab faculties
  - Improved basic information charts of Child, Women and General





**PERUMPALLAM ODAI – IN PHOTOS**



## DYEING EFFLUENT MIXED



## IMPACT OF EFFLUENT MIXED WITH PERUMPALLAM ODAI – IN MEDIA

11/14/2017 Cancer incidence higher in Erode - The Hindu

THE HINDU

TAMIL NADU  
Cancer incidence higher in Erode



**R. Krishnamoorthy**  
ERODE, FEBRUARY 05, 2016 00:00 IST  
UPDATED: FEBRUARY 05, 2016 05:24 IST

Is Erode turning out to be the cancer capital of the State?

Going by the statistics generated by the medical fraternity here, 20 to 25 new cancer cases are getting added to the list of sufferers of the dreaded disease.

The World Cancer Day observed on Thursday not only threw substantial light on how cancer could be prevented but also the initiatives being spearheaded by Erodai, a social organisation backed effectively by the medical fraternity here, for analysing the cause for the higher incidence of cancer in Erode district.

Places such as Tirupur, Vellore, Ranipet, and other industrialised places are as much polluted, but the cancer incidence is highest in Erode.

Erodai was currently analysing the reasons by testing the water in the two main canals — Perumpallam and Sunnambu Odais.

Drinking water is pumped for supply to city residents from the collection point where the water mixed with industrial effluent empties into the Cauvery river.

The water samples have been sent for testing to determine the presence of cancer-causing carcinogens, said R. Krishnamoorthy, coordinator of Erodai and managing director of Sudha Hospitals.

He was addressing a seminar on cancer at the Velalar Group of Institutions organised by Selva Charitable World Cancer Day programmes.

<http://www.thehindu.com/news/national/tamil-nadu/cancer-incidence-higher-in-erode/article8196145.ece>

11/14/2017 Erodai keen to address high cancer affliction in Erode district - The Hindu

THE HINDU

TAMIL NADU  
Erodai keen to address high cancer affliction in Erode district



**R. Krishnamoorthy**  
ERODE, DECEMBER 26, 2015 00:00 IST  
UPDATED: MARCH 24, 2016 12:04 IST

Led by Erodai, a group of social organisations that started cleaning the Perumpallam Odai at the start of October has now extended its initiative to the Pitchakaranpallam Odai and Sunnambu Odai.

From the Perumpallam Odai that has habitations on the sides, 10,000 tonnes of garbage has been dredged out so far. Cleaning of the other two canals is vital to check entry of untreated industrial effluents into them.

The social organisations that have been entrusted with the task of cleaning the three Odais by the City Corporation are hopeful of addressing the high incidence of cancer in Erode district through cleaning up the Pitchakaranpallam and Sunnambu Odais.

There are polluting industries in places such as Tirupur and Vaniambadi, but in Erode district, the incidence of cancer could be related to the purification treatment of the effluent-mixed water at the collection point near Cauvery river and re-routing it for drinking purposes, according to the environment activists here.

The social organisations have sought the expertise of IIT Madras, Kings Institute, and German-based research institutions to study the properties of the effluent-mixed water in Pitchakaranpallam Odai and Sunnambu Odai, in order to trace the cancer-causing elements.

There is a sense of relief among the public that Erodai has in the thick of remedying the situation.

Dredging was carried out to a 6.5-km stretch from the Anicut to Karaivaickal, facilitating free flow of water.

Erodai and five other organisations UNWO - Masjid Sevai Kuzhu, Erode Spice Round Table - 211, Youth Christian Commitment, Erode Siragugal and Selva Charitable Trust, together took up the task by mobilising Rs. 40 lakh. So far, Rs. 25 lakh has been spent.

More funds would be mobilised from social-minded section of the public for cleaning two more Odais to a length of 13 km, said Sudhakar, managing director of Sudha Institute of Medical Sciences, and also the project director for the initiative.

Mosquito menace could be addressed substantially through removal of the accumulated garbage on the sides of Perumpallam Odai. But, public cooperation had not been up to the mark.

**ANNEXURE 3 - 12. PAN CITY PROPOSALS – 7 E- HEALTH SYSTEMS & CCTV SURVEILLANCE FOR TRAFFIC VIOLENCE**

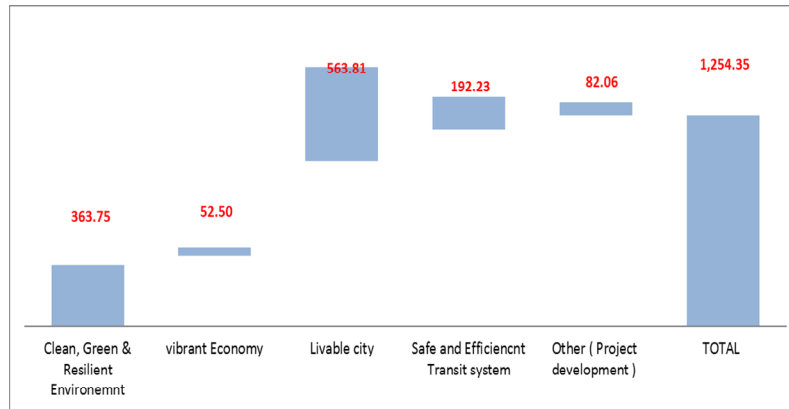


### ANNEXURE 3 - 13. SCP IMPLEMENTATION GANTT CHART SHOWING ACTIVITIES, SEQUENCING AND TIME LINES

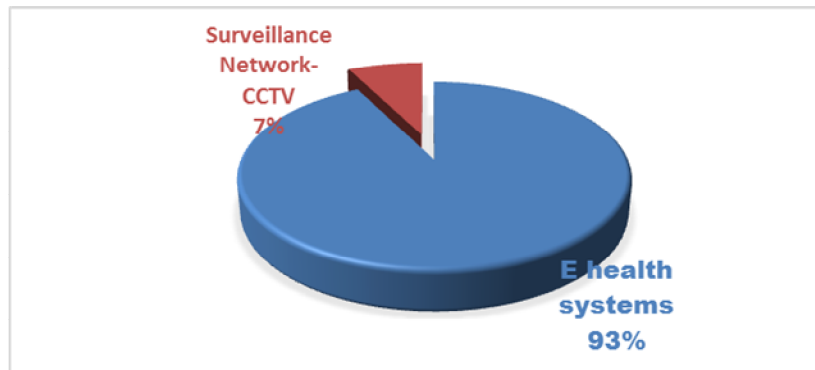
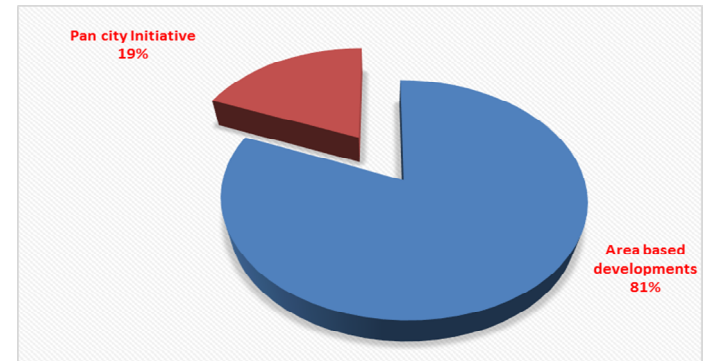
Sl. No	Efforts and Milestones	Timeline									
		FY 18		FY 19		FY 20		FY 21		FY 22	
		H1	H2	H1	H2	H1	H2	H1	H2	H1	H2
<b>1</b>	<b>ADMINISTRATIVE AND INSTITUTIONAL ACTIONS, MONITORING AND REVIEWS</b>										
<b>a</b>	<b>Operationalize SPV</b>										
<b>b</b>	<b>Planned Reviews</b>										
i	SPV Board - Quarterly; monthly in Year 1										
ii	District Empowered Committee: Quarterly/Monthly in Year 1										
iii	Citizen Advisory Forum: Quarterly										
iv	Elected Council: Monthly update during Council meetings; Quarterly reviews by Standing Committee										
v	State Mission Directorate Reviews - Quarterly										
vi	Reporting to MOUD - Quarterly										
<b>2</b>	<b>PROJECT PREPARATION AND MASTER PLANNING</b>										
<b>a</b>	<b>Area based Development</b>										
i	Preparation of Area's Detailed Development Plan										
ii	Review of Perumpallam Odai Development Master plan and DPR										
iii	NMT and solar lighting Master Plan and DPR (along the canal)										
iv	DPR/Transaction advisory for Tertiary Treatment										
v	Slum Rehabilitation and Re-location										
<b>b</b>	<b>Pan-city Proposal</b>										
<b>c</b>	<b>Other City level initiatives</b>										
i	Support to DTCP in revision of City Master Plan										
ii	ICT Strategy and Smart Solutions roadmap for ECOM										
iii	O&M sustainability plan and Financial Improvement Plan										
<b>3</b>	<b>BID DOCUMENTATION, PROCUREMENT AND CONTRACTING</b>										
<b>a</b>	Canal development including NMT along										
<b>b</b>	Additional scope - Water Supply & Sewerage (if any)										
<b>c</b>	School Infrastructure up gradation										
<b>d</b>	Energy efficient street lighting and CCTV										
<b>4</b>	<b>PROGRAM IMPLEMENTATION</b>										
<b>a</b>	Solid Waste Management - To achieve 100% compliance to SWM Rules										
<b>b</b>	Sewerage Network - Connecting properties to network										
<b>c</b>	Canal development (including NMT) and slum rehabilitation										
<b>d</b>	Water Supply & Sewerage - DMA design, distribution strengthening, metered connections										
<b>e</b>	Road re-development with ducting, drains and integration with NMT										
<b>f</b>	Modernization of Hospital, Health centres and Public schools										
<b>5</b>	<b>REFORMS, SUSTAINABLE O&amp;M AND FINANCES</b>										
<b>a</b>	Rollout of Web-enabled E-governance solution										
<b>b</b>	Roll-out of O&M Sustainability Plan										
<b>c</b>	Roll-out of Financial Mobilization and Improvement plan										

**ANNEXURE 3 - 14. FINANCIAL PLAN – SUMMARY & ASSUMPTIONS**

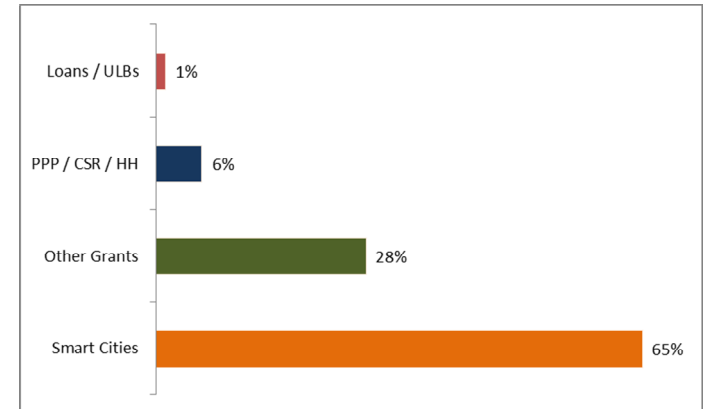
**Area Based Development  
Rs. 1,254.35 Crore**



**Total Project Cost  
Rs. 1,543.51 Crore**



**Pan City, Rs. 289.17Crore**



**Financing Plan - % Shares**

### ANNEXURE 3 - 15. DETAILED PROJECT COST – (FOR COMPONENT WISE ABD & PAN CITY SOLUTIONS)

S.No.	Themes	Sub Themes		Sectors/Features	Projects	Costs (Rs. Crore)	Status	Schemes
I	Area Based Development							
A	ECO-FRIENDLY CITY	Restoration of Canal						
			1	Canal Rejuvenation-Perumpallam Canal	i) Canal Restoration - (DPR of Development of Perumpallam odai)	250.00	DPR ready	SCM
					ii) Canal front amenities and recreation facilities including Smart Censor of pollution measure	15.00		SCM + PPP
					iii) Solar panelled lighting	6.00		SCM
					iv) NMT Tracks with cycling, walkways, landscaping incr.	9.00		SCM
					<b>Subtotal (Canal Restoration)</b>	<b>280.00</b>		
		Green Cover						
			2	Other facilities				
					i) Foot path, Cycle Tracks and landscaping with greenery (Arterial Roads)	50.00	Proposed	
					ii) Foot path, Cycle Tracks and landscaping with greenery (Other Roads)	33.75		
					<b>Sub-Total (Other facilities)</b>	<b>83.75</b>		
					<b>Subtotal (Green &amp; Resilient Environment)</b>	<b>363.75</b>		
B	INCLUSIVE AND VIBRANT ECONOMY	Promotion of Textile Industry						
			3	Economic Development				
					i) Market Modernisation of Textile hub	50.00	Proposed , DPR ready	
					ii) Shelter for Migrants worker/ Homeless	2.50	Proposed	
					<b>Subtotal (Inclusive and Vibrant Economy)</b>	<b>52.50</b>		
C	LIVEABLE CITY							
		Basic Amenities	4	Basic Services				
			a)	Water Supply	i) Water Supply - 210 km distribution network	180.00	Working progress in Amrut	SCM
			b)	Sewerage	i) Sewerage- Collection & Pumping ,TTR0 other works	102.00		SCM
			c)	Storm Water Drain				
					i) Storm Water Drain (Arterial Roads)	8.00	Proposed	
					ii) Storm Water Drain (Other Roads)	9.00		
					<b>Subtotal (Storm Water Drains)</b>	<b>17.00</b>		
			d)	Solid Waste Management				
					i) Solid Waste Management	17.56		SCM
			e)	Sanitation				
					i) Access to toilets - individual / community toilets	6.00		
					ii) Public conveniences / E- Toilets / Mobile Toilets	0.60		
					<b>Subtotal (Sanitation)</b>	<b>6.60</b>		
			f)	Street lighting				
					i) Street Poles & other facilities (Arterial Roads)	4.55		
					ii) Street Poles & other facilities (Other Roads)	5.60		

S.No.	Themes	Sub Themes		Sectors/Features	Projects	Costs (Rs. Crore)	Status	Schemes
					<b>Subtotal (Street Lighting)</b>	<b>10.15</b>		
			g)	<b>Health</b>				
					i) Health care & Primary health centres	120.00	NUHM	Other State & Central Schemes
			h)	<b>Education</b>				
					i) Education - infrastructure	30.00		Other State Schemes
					<b>Subtotal (Basic Amenities)</b>	<b>483.31</b>		
		<b>Solar Power Generation</b>						
			5	<b>Solar Power generation</b>				
					i) Rooftop Solar	15.00		SCM + MNRE subsidy
					<b>Subtotal</b>	<b>15.00</b>		
		<b>Power Distribution</b>						
			6	<b>Power distribution strengthening</b>				
					i) Power Distribution - Substations and other developments	10.00		SCM + IPDS
					ii) Power Distribution - Cabling & Others	19.50		SCB + IPDS
					<b>Subtotal</b>	<b>29.50</b>		
					<b>Subtotal (Energy Security)</b>	<b>44.50</b>		
		<b>Housing of All</b>						
			7	<b>Housing for All</b>				
					i) Housing for all and Social Infrastructure	36.00		SCM + Housing for All
					<b>Subtotal (Housing for all)</b>	<b>36.00</b>		
					<b>Subtotal (World Class Infrastructure &amp; Basic Amenities)</b>	<b>563.81</b>		
<b>D</b>	<b>SAFE AND EFFICIENT TRANSIT SYSTEM</b>	<b>Transportation &amp; Mobility</b>						
			8	<b>Modernisation of Bus Stand</b>				
					i) Bus-stand modernisation - Smart components	25.00	Proposed	
					ii) Bus shelters (Arterial Roads)	2.60	Proposed	
					<b>Subtotal</b>	<b>27.60</b>		
			9	<b>Underground Utilities</b>				
					i) Providing Underground Utilities (Arterial Roads)	30.00	Proposed	
					ii) Providing Underground Utilities (Other Roads)	36.00		SCM + IPDS
					<b>Subtotal</b>	<b>66.00</b>		
			10	<b>Parking</b>				
					i) Off-street parking and MLCPs (Arterial Roads)	10.00		
					ii) Street-side parking (Other Roads)	1.13		
					<b>Subtotal</b>	<b>11.13</b>		
			11	<b>Road Up gradation and Signages</b>				
					i) Road re-surfacing & Signages including lane marking (Arterial Roads)	20.00	Proposed	
					ii) Road re-surfacing & Signages including lane marking	67.50		



S.No.	Themes	Sub Themes		Sectors/Features	Projects	Costs (Rs. Crore)	Status	Schemes
					(Other Roads)			
					<b>Subtotal</b>	<b>87.50</b>		
					<b>Subtotal (Transport and Mobility)</b>	<b>192.23</b>		
<b>E</b>	<b>OTHERS (As % of Capex)</b>	<b>Miscellaneous</b>						
			<b>12</b>	<b>Project Preparation Cost</b>				
					i) SPV Staffing/PMU, Project Preparation, Advisory	58.61		
					ii) A&OE (MOUD) and related	23.45		
					<b>Subtotal</b>	<b>82.06</b>		
					<b>Total Area Based Development</b>	<b>1,254.35</b>		
<b>II</b>	<b>Pan City</b>							
<b>A</b>	<b>E-Health</b>	<b>E-Health</b>						
			<b>13</b>	<b>IT enabled Health infrastructure</b>	i) E- Health	250.00		
					<b>Subtotal (SMART WATER GRID)</b>	<b>250.00</b>		
<b>B</b>	<b>CCTV SURVEILLANCE-traffic violations</b>	<b>Safety &amp; Surveillance</b>						
			<b>14</b>	<b>CCTV SURVEILLANCE-traffic violations</b>	i) CCTV points- cameras, poles, server, junction switch & Field component with ANPR,- Especially Traffic Management	6.00	CCTV cameras in 6 junctions	SCM ,PPP
					ii) Other CCTV points -	11.25		
					iii) Command Centre	3.00		
					<b>Subtotal (Safety &amp; Surveillance)</b>	<b>20.25</b>		
<b>C</b>	<b>OTHERS (As % of Capex)</b>	<b>Miscellaneous</b>						
			<b>15</b>	<b>Project Preparation Cost</b>				
					i) SPV Staffing/PMU, Project Preparation, Advisory	13.51	-	-
					ii) A&OE (MOUD) and related	5.41	-	-
					<b>Subtotal (Others)</b>	<b>18.92</b>		
					<b>Total Pan City</b>	<b>289.17</b>	-	-
					<b>Total CAPEX - SCP PROPOSAL</b>	<b>1,543.51</b>	-	-
					<b>Project Cost for ABD Area</b>	<b>1,254.35</b>	-	-
					<b>Project Cost for Pan City Solution</b>	<b>289.17</b>	-	-
					<b>TOTAL PROJECT COST</b>	<b>1,543.51</b>	-	-

### ANNEXURE 3 - 16. LIFE CYCLE COST AND PHASING

S. N	Component	Capital Cost (Rs. Crore)	Financing Plan (Rs. Crore)				CAPEX Phasing (Rs. Crore)					O&M Phasing (Rs. Crore)					O&M in 5 yr	Life Cycle cost
			Smart Cities	Convergence	PPP /CSR	Loans /ULBs	Year 1	Year 2	Year 3	Year 4	Year 5	Year 1	Year 2	Year 3	Year 4	Year 5		
I	AREA DEVELOPMENT PLAN						2018	2019	2020	2021	2022	2018	2019	2020	2021	2022	In Rs. Crore	In Rs. Crore
<b>A</b>	<b>ECO-FRIENDLY CITY</b>	<b>363.75</b>	<b>348.75</b>	<b>-</b>	<b>15.00</b>	<b>-</b>	<b>72.75</b>	<b>137.13</b>	<b>137.13</b>	<b>16.75</b>	<b>-</b>	<b>2.18</b>	<b>6.36</b>	<b>10.67</b>	<b>11.49</b>	<b>11.83</b>	<b>42.53</b>	<b>406.28</b>
1	Canal Rejuvenation- Perumpallam Canal	280.00	265.00	-	15.00	-	56.00	112.00	112.00	-	-	1.68	5.09	8.60	8.86	9.13	33.36	313.36
2	Enhanced green cover and NMT/ Pedestrian walks	83.75	83.75	-	-	-	16.75	25.13	25.13	16.75	-	0.50	1.27	2.06	2.63	2.71	9.17	92.92
<b>B</b>	<b>INCLUSIVE AND VIBRANT ECONOMY</b>	<b>52.50</b>	<b>52.50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>10.00</b>	<b>20.50</b>	<b>21.00</b>	<b>1.00</b>	<b>-</b>	<b>0.30</b>	<b>0.92</b>	<b>1.58</b>	<b>1.66</b>	<b>1.71</b>	<b>6.17</b>	<b>58.67</b>
1	Market Modernisation of Textile hub	50.00	50.00	-	-	-	10.00	20.00	20.00	-	-	0.30	0.91	1.54	1.58	1.63	5.96	55.96
2	Shelter for Migrants worker/ Homeless	2.50	2.50	-	-	-	-	0.50	1.00	1.00	-	-	0.02	0.05	0.08	0.08	0.22	2.72
<b>C</b>	<b>LIVEABLE CITY</b>	<b>563.81</b>	<b>207.05</b>	<b>273.46</b>	<b>74.00</b>	<b>9.30</b>	<b>82.76</b>	<b>154.14</b>	<b>169.14</b>	<b>127.76</b>	<b>30.00</b>	<b>2.79</b>	<b>7.95</b>	<b>13.72</b>	<b>18.26</b>	<b>19.71</b>	<b>62.42</b>	<b>626.23</b>
1	<b>Basic Amenities</b>	<b>483.31</b>	<b>186.15</b>	<b>223.86</b>	<b>73.00</b>	<b>0.30</b>	<b>66.66</b>	<b>129.99</b>	<b>144.99</b>	<b>111.66</b>	<b>30.00</b>	<b>2.00</b>	<b>5.96</b>	<b>10.49</b>	<b>14.15</b>	<b>15.48</b>	<b>48.08</b>	<b>531.39</b>
i)	Water Supply - 210 km distribution network	180.00	68.00	112.00	-	-	36.00	54.00	54.00	36.00	-	1.08	2.73	4.43	5.65	5.82	19.71	199.71
ii)	Sewerage- Collection & Pumping ,TTRO other works	102.00	32.00	-	70.00	-	20.40	30.60	30.60	20.40	-	0.61	1.55	2.51	3.20	3.30	11.17	113.17
iii)	Storm Water Drain	17.00	17.00	-	-	-	3.40	5.10	5.10	3.40	-	0.10	0.26	0.42	0.53	0.55	1.86	18.86
iv)	Solid Waste Management	17.56	9.00	8.56	-	-	3.51	5.27	5.27	3.51	-	0.11	0.27	0.43	0.55	0.57	1.92	19.48
v)	Sanitation	6.60	-	3.30	3.00	0.30	1.32	1.98	1.98	1.32	-	0.04	0.10	0.16	0.21	0.21	0.72	7.32
vi)	Street lighting	10.15	10.15	-	-	-	2.03	3.05	3.05	2.03	-	0.06	0.15	0.25	0.32	0.33	1.11	11.26
vii)	Health care & Primary health centres	120.00	20.00	100.00	-	-	-	24.00	36.00	36.00	24.00	-	0.72	1.82	2.96	3.76	9.26	129.26
viii)	Education - infrastructure	30.00	30.00	-	-	-	-	6.00	9.00	9.00	6.00	-	0.18	0.46	0.74	0.94	2.32	32.32
2	<b>Solar Power generation</b>	<b>15.00</b>	<b>-</b>	<b>6.00</b>	<b>-</b>	<b>9.00</b>	<b>3.00</b>	<b>4.50</b>	<b>4.50</b>	<b>3.00</b>	<b>-</b>	<b>0.39</b>	<b>0.99</b>	<b>1.61</b>	<b>2.06</b>	<b>2.12</b>	<b>7.17</b>	<b>22.17</b>
3	<b>Power distribution strengthening</b>	<b>29.50</b>	<b>3.90</b>	<b>25.60</b>	<b>-</b>	<b>-</b>	<b>5.90</b>	<b>8.85</b>	<b>8.85</b>	<b>5.90</b>	<b>-</b>	<b>0.18</b>	<b>0.45</b>	<b>0.73</b>	<b>0.93</b>	<b>0.95</b>	<b>3.23</b>	<b>32.73</b>
4	<b>Housing for all and Social Infrastructure</b>	<b>36.00</b>	<b>17.00</b>	<b>18.00</b>	<b>1.00</b>	<b>-</b>	<b>7.20</b>	<b>10.80</b>	<b>10.80</b>	<b>7.20</b>	<b>-</b>	<b>0.22</b>	<b>0.55</b>	<b>0.89</b>	<b>1.13</b>	<b>1.16</b>	<b>3.94</b>	<b>39.94</b>

S. N	Component	Capital Cost (Rs. Crore)	Financing Plan (Rs. Crore)				CAPEX Phasing (Rs. Crore)					O&M Phasing (Rs. Crore)					O&M in 5 yr	Life Cycle cost
			Smart Cities	Convergence	PPP /CSR	Loans /ULBs	Year 1	Year 2	Year 3	Year 4	Year 5	Year 1	Year 2	Year 3	Year 4	Year 5		
<b>D</b>	<b>SAFE AND EFFICIENT TRANSIT SYSTEM</b>	<b>192.23</b>	<b>181.63</b>	<b>8.00</b>	<b>2.60</b>	<b>-</b>	<b>-</b>	<b>25.25</b>	<b>54.94</b>	<b>68.14</b>	<b>43.90</b>	<b>-</b>	<b>0.76</b>	<b>2.43</b>	<b>4.55</b>	<b>6.00</b>	<b>13.73</b>	<b>205.95</b>
1	Modernisation of Bus Stand	27.60	25.00	-	2.60	-	-	5.52	11.04	11.04	-	-	0.17	0.50	0.85	0.87	2.39	29.99
2	Underground Utilities	66.00	58.00	8.00	-	-	-	-	13.20	26.40	26.40	-	-	0.40	1.20	2.03	3.62	69.62
3	Parking	11.13	11.13	-	-	-	-	2.23	4.45	4.45	-	-	0.07	0.20	0.34	0.35	0.96	12.09
4	Road Up gradation and Signages	87.50	87.50	-	-	-	-	17.50	26.25	26.25	17.50	-	0.53	1.33	2.16	2.75	6.75	94.25
<b>E</b>	<b>OTHERS (As % of Capex)</b>	<b>82.06</b>	<b>73.85</b>	<b>-</b>	<b>-</b>	<b>8.21</b>	<b>24.62</b>	<b>24.62</b>	<b>16.41</b>	<b>8.21</b>	<b>8.21</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>82.06</b>
	SPV Staffing/PMU, Project Preparation, Advisory	58.61	58.61	-	-	-	17.58	17.58	11.72	5.86	5.86	-	-	-	-	-	-	58.61
	A&OE (MOUD) and related	23.45	15.24	-	-	8.21	7.03	7.03	4.69	2.34	2.34	-	-	-	-	-	-	23.45
	<b>SubTotal (Area Based Development)</b>	<b>1,254.35</b>	<b>863.78</b>	<b>281.46</b>	<b>91.60</b>	<b>17.51</b>	<b>190.13</b>	<b>361.63</b>	<b>398.62</b>	<b>221.86</b>	<b>82.11</b>	<b>5.27</b>	<b>15.99</b>	<b>28.39</b>	<b>35.96</b>	<b>39.25</b>	<b>124.86</b>	<b>1,379.20</b>
<b>II</b>	<b>PAN-CITY INITIATIVE</b>																	
1	E-Health	250.00	100.00	150.00	-	-	50.00	75.00	75.00	50.00	-	1.50	3.80	6.16	7.84	8.08	27.38	277.38
2	CCTV SURVEILLANCE-traffic violations	20.25	17.25	-	3.00	-	0.60	5.55	7.80	6.30	-	0.02	0.19	0.42	0.63	0.65	1.90	22.15
3	OTHERS (As % of Capex)	18.92	17.03	-	-	1.89	5.68	5.68	3.78	1.89	1.89	-	-	-	-	-	-	18.92
	<b>Subtotal (Pan City)</b>	<b>289.17</b>	<b>134.28</b>	<b>150.00</b>	<b>3.00</b>	<b>1.89</b>	<b>56.28</b>	<b>86.23</b>	<b>86.58</b>	<b>58.19</b>	<b>1.89</b>	<b>1.52</b>	<b>3.98</b>	<b>6.58</b>	<b>8.47</b>	<b>8.72</b>	<b>29.28</b>	<b>318.44</b>
	<b>Total Project Cost</b>	<b>1,543.51</b>	<b>998.05</b>	<b>431.46</b>	<b>94.60</b>	<b>19.40</b>	<b>246.41</b>	<b>447.86</b>	<b>485.20</b>	<b>280.05</b>	<b>84.00</b>	<b>6.79</b>	<b>19.97</b>	<b>34.98</b>	<b>44.43</b>	<b>47.98</b>	<b>154.13</b>	<b>1,697.65</b>

### ANNEXURE 3 - 17. FINANCIAL STATEMENT FOR SPV

PARTICULAR (In Rs. Crore)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
<b>REVENUE ACCOUNT</b>														
Opening Balance		1,724	2,568	2,316	1,764	-26	188	1,038	2,610	5,035	8,443	12,981	18,816	26,138
Apportioned Revenue Income	4,219	4,746	5,247	5,999	6,727									
AMC - Income from other sources - Apportioned	4,219	4,746	5,247	5,999	6,727	7,559	8,493	9,544	10,724	12,050	13,540	15,215	17,097	19,211
<b>New Revenue Streams owing to development</b>	250	300	350	400	440	475	513	554	599	647	698	754	814	880
<b>Sub-Total</b>	4,469	5,046	5,597	6,399	7,167	8,034	9,007	10,098	11,323	12,697	14,239	15,969	17,911	20,090
<b>Revenue Expenditure</b>														
Base O&M Costs in Service Area	2,067	2,205	2,351	2,508	2,675	2,853	3,043	3,246	3,462	3,693	3,939	4,201	4,481	4,780
Additional O&M due to new investments	679	1,997	3,498	4,443	4,798	4,940	5,088	5,239	5,395	5,556	5,722	5,892	6,067	6,248
Loan Repayment	-	-	-	-	26	26	26	40	40	40	40	40	40	40
<b>Sub-Total</b>	2,746	4,202	5,849	6,951	7,499	7,820	8,157	8,526	8,898	9,289	9,701	10,134	10,589	11,068
<b>REVENUE SURPLUS</b>	1,724	2,568	2,316	1,764	-26	188	1,038	2,610	5,035	8,443	12,981	18,816	26,138	35,160
<b>CAPITAL ACCOUNT</b>														
Opening Balance - Capital Account		23,639	13,519	876	4,335	-								
<b>Capital Receipts</b>														
Grants - Smart Cities Mission	40,000	20,000	20,000	20,000	-	-	-	-	-	-	-	-	-	-
Grants - Convergence	6,469	11,704	12,864	9,789	2,320	-	-	-	-	-	-	-	-	-
PPPs and CSR	1,810	2,962	3,014	1,674	-	-	-	-	-	-	-	-	-	-
SPV					1,458									
Loans	-	-	-	-	288	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	48,279	34,666	35,878	31,463	4,065	-	-	-	-	-	-	-	-	-
<b>Capital Expenditure</b>														
Project Spending	24,641	44,786	48,520	28,005	8,400	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	24,641	44,786	48,520	28,005	8,400	-	-	-	-	-	-	-	-	-
<b>CAPITAL ACCOUNT - Surplus/ Deficit</b>	23,639	13,519	876	4,335	-	-	-	-	-	-	-	-	-	-
<b>OVER ALL CLOSING BALANCE</b>	25,363	16,087	3,192	6,098	-26	188	1,038	2,610	5,035	8,443	12,981	18,816	26,138	35,160

### ANNEXURE 3 - 18. ORGANOGRAM SHOWING THE RELATIONSHIP (Q- 36)

Sl.	Stakeholder Group	Relationships and role in preparation of SCP	Possible role in future
1	Mayor and Elected Council members	<ul style="list-style-type: none"> <li>Helped achieve clarity on contextual priorities and aspirations;</li> <li>Identify potential options for Area based proposal</li> </ul>	<ul style="list-style-type: none"> <li>Political Leadership critical to steer implementation; will need to continue providing policy support and political commitment to transformation envisioned</li> </ul>
2	Commissioner and City Administration	<ul style="list-style-type: none"> <li>Pivot around which the entire exercise was carried out;</li> <li>Strong support in reviewing city baseline and conduct self-assessment</li> <li>Strong support in steering and conduct of face to face, Group consultations and zonal town halls</li> </ul>	<ul style="list-style-type: none"> <li>Leverage the opportunity to create a professional staffed SPV for implementation excellence and function as the bridge with elected representatives, state departments and other stakeholders to build participatory support for implementation</li> </ul>
3	District Collector	<ul style="list-style-type: none"> <li>Steered consultations with line departments at the city level and helped bring attention to convergence of priority actions needed by other line departments</li> <li>Brought attention to the potential for rail land development and other critical priorities</li> </ul>	<ul style="list-style-type: none"> <li>Will convene and lead the District Smart Cities Empowered Committee drive convergence and coordination among line departments</li> </ul>
4	Line departments	<ul style="list-style-type: none"> <li>Active inputs from several line department including TNSCB, TANGEDCO, ECP&amp; ECTP, Highways and TNPCB</li> </ul>	<ul style="list-style-type: none"> <li>Will play roles in line with convergence requirements identified in q no. 34</li> </ul>
5	Active Citizen Forums and Industry Trade chambers, Experts	<ul style="list-style-type: none"> <li>Several forums including CII and the city-based NGO Olirum Erode supported the exercise wholeheartedly. Written representations were received from over 20 associations in the city</li> </ul>	<ul style="list-style-type: none"> <li>Some of the active stakeholders participating in consultations should be engaged in a representative manner on the Citizens Advisory Forum that is envisaged as a sounding board and completes the three tier monitoring structure at the city level.</li> </ul>

6	WB, Asian Development Bank and CIDA	<ul style="list-style-type: none"> <li>• Provided inputs on the nature of funding support that can be available for the Smart cities scheme.</li> <li>• The structure of the WB's Model Cities scheme were particularly relevant and was a precursor to identify reform priorities</li> </ul>	<ul style="list-style-type: none"> <li>• Potential to explore funding / lending opportunities to the SPV and project proposals under the Smart cities mission</li> </ul>
7	Private Service Providers	<ul style="list-style-type: none"> <li>• Several private service providers actively participated in consultations.</li> </ul>	<ul style="list-style-type: none"> <li>• Potential to participate in downstream projects and initiatives to provide smart solutions</li> </ul>
8	Press and Media	<ul style="list-style-type: none"> <li>• Actively covered all key consultative interactions and activities during the preparatory period</li> </ul>	<ul style="list-style-type: none"> <li>• Will continue to be a key platform for ECMC to communicate progress of initiatives under the SCM</li> </ul>

**Annexure 4 – 1 Council Resolution approving Smart City Plan including  
Financial Plan  
Annexure 4 – 2 Council Resolution for setting up Special Purpose Vehicle**

கோப்பு எண். 51/5005/15

**ஈரோடு மாநகராட்சி  
மா மன்றக் கூட்டத்தாள்**

Erode City Municipal Corporation has been selected through a competitive process for SMART City Mission initiative of Government of India. In Stage IV, Erode City has to compete with other cities from across the country to make funding for the financial year 2017-18 by preparing a Smart City Proposal.

The implementation of the Mission at the City level will be done by a Special purpose Vehicle (SPV) created for the purpose. The SPV will plan, appraise, approve, release funds, implement, manage, operate, monitor and evaluate the Smart City development projects. Each Smart City will have a SPV which will be headed by a full time CEO and have nominees of Central Government, State Government and ULB on its Board.

ICRA Management Consulting Services Limited (IMaCS) has been appointed by GoTN and GoI as consultants in the preparation of the Smart City Proposal. The Consultants submitted the Smart City Proposal which included the following.

S.No	Component	Capital Cost (Rs. Crore)
<b>I</b>	<b>AREA DEVELOPMENT PLAN</b>	
<b>A</b>	<b>GREEN, CLEAN and RESILIENT ENVIRONMENT</b>	<b>363.75</b>
1	Canal Restoration- Perumpallam Canal	280.00
2	Other facilities – Foot path, Cycle Tracks and landscaping with greenery Arterial & Other roads	83.75
<b>B</b>	<b>INCLUSIVE AND VIBRANT ECONOMY</b>	<b>52.50</b>
1	Market Modernisation of Textile hub	50.00
2	Shelter for Migrants worker/ Homeless	2.50
<b>C</b>	<b>LIVEABLE CITY</b>	<b>563.81</b>
1	Basic Amenities	483.31
2	Solar Power generation	15.00
3	Power distribution strengthening	29.50
4	Housing for all and Social Infrastructure	36.00
<b>D</b>	<b>SAFE AND EFFICIENT TRANSIT SYSTEM</b>	<b>192.23</b>
1	Modernisation of Bus Stand	27.60
2	Underground Utilities	66.00
3	Parking	11.13
4	Road Up gradation and Signages	87.50
<b>E</b>	<b>OTHERS (As % of Capex)</b>	<b>82.08</b>
	SPV Staffing/PMU, Project Preparation, Advisory	58.61
	A&OE (MOUD) and related	23.45
	<b>SubTotal (Area Based Development)</b>	<b>1,254.35</b>
<b>II</b>	<b>PAN-CITY INITIATIVE</b>	
1	E-Health System	250.00
2	CCTV SURVEILLANCE-traffic violations	20.25
3	OTHERS (As % of Capex)	18.92
	<b>Subtotal (Pan City)</b>	<b>289.17</b>
	<b>Total Project Cost</b>	<b>1,543.51</b>

Subject is placed before the Council for approval of the Smart City Proposal including the financial plan and also for the setting up of Special Purpose Vehicle as per the Smart City Mission guidelines.

Office Note: -

Subject may be Approved.

22.11  
EE

22.11  
CE

22/11/17

22/11/17

**Erode City Municipal Corporation**  
**Hon'ble Mayor's in-anticipation copy**

Erode City Municipal Corporation has been selected through a competitive process for SMART City Mission initiative of Government of India. In Stage II, Erode City has to compete with other cities from across the country to make funding for the financial year 2016-17 by preparing a Smart City Proposal.

The implementation of the Mission at the City level will be done by a Special purpose Vehicle (SPV) created for the purpose. The SPV will plan, appraise, approve, release funds, implement, manage, operate, monitor and evaluate the Smart City development projects. Each Smart City will have a SPV which will be headed by a full time CEO and have nominees of Central Government, State Government and ULB on its Board.

ICRA Management Consulting Services Limited (IMaCS) has been appointed by GoTN and Gol as consultants in the preparation of the Smart City Proposal. The Consultants submitted the Smart City Proposal which included the following.

6. City Assessment
7. Area Based Proposal
8. Pan-City Proposal
9. Implementation Plan
10. Financial Plan

Subject is placed before the Council for approval of the Smart City Proposal including the financial plan and also for the setting up of Special Purpose Vehicle as per the Smart City Mission guidelines.

**Hon'ble Mayor's in-anticipation date : 24.06.2016**

(Sd). P.Mallika Paramasivam  
Mayor  
Erode City Municipal Corporation

/ True Copy / Forward By Order /

  
For Commissioner  
Erode City Municipal Corporation  
  
24/06/16



**Annexure 4 – 3 Agreement/s with Parastatal Bodies, Boards existing in the City for implementing the full scope of the SCP and sustaining the pan-city and area-based developments. (Letter endorsing Smart Cities Proposal and confirmation of support from Line departments signed by District Collector as the Convener of the District Level Empowered Committee)**

Date: 19/11/2015

**Erode Smart City Proposal**

**Interdepartmental (Govt /parastatal bodies and boards) meeting convened by District Collector – Minutes of meeting**

**Agenda:**

Meeting of Line Departments under the chairmanship of District Collector for dissemination of the Draft SCP (Area based Development and Pan City proposal) and to discuss the involvement of each agency during the implementation phase of the project and to get in-principle approval for the same.

**Date:** 19<sup>th</sup> Nov, 2015, 12.30 pm

**Venue:** Council Hall, Corporation Office, Erode

**Participants – Annexure - 1**

**Key points of discussion:**

A meeting was organized with the Line departments under the chairmanship of District Collector, comprising of the representatives from departments identified above. The key points of discussion are as follows:

- A presentation on draft SCP was made to the representatives. Followed by a detailed discussion on Area based Development and Pan City proposal along with the financing plan and convergence of various schemes implemented by different agencies/ parastatal bodies/ boards.
- The roles and responsibilities of line departments during the planning and implementation phase was discussed.
- All line departments agreed to extend all the necessary support for implementation of the full scope of the SCP including sustaining the pan-city and area-based developments.

The progress of the Smart City Proposal will be reviewed periodically by the **District-level Empowered Committee** under the Chairpersonship of the District Collector.

  
Commissioner  
Erode City Municipal Corporation

  
District Collector,  
Erode

**Annexure I – Participants :**

S.No.	Name (Mr./Mrs)	Line Departments
1	Prabhakar. S	District Collector
2	Mohan. R	Erode Corporation. Commissioner
3	Arumugam .K	Erode Corporation
4	Dr. Priyaraj	Erode Corporation
5	V. Sampath	Police Department
6	C. Kodiselvan	Police Department
7	M. Nagarajan	District Forest Office
8	R. Thangavel	TANGEDCO
9	Dr.S.Mani	Health Department
10	C. Sokkalingam	TWAD Board
11	Azhagarsamy	TWAD Board
12	S. Lakshmanaswamy	RTO Erode (East)
13	P. Manivannan	TamilNadu Pollution Control Board,Erode
14	G. Ramraj	TamilNadu Pollution Control Board,Erode
15	A. Vijayan	Erode Local Planning Authority
16	S. Murugesan	Erode Local Planning Authority
17	S. Saravanan	Fire & Rescue Service
18	M.G.Jayakumar	Highway department
19	M. Ravi	Highway department
20	R. Murugnanantham	Highway department
21	M. Prabhu	Hariculture Department
22	S. Prakash	Agriculture Engineering Department
23	S. Jaganathan	BSNL
24	S. Amudha	BSNL
25	K. Dhanapal	TNEB
26	R. Hariharan	TNSTC
27	K. Senathipathy	TNSTC
28	S. Balamurugan	Southern Railway
29	D.G.Ravichandran	Erode Corporation
30	T. Vijayakumar	Erode Corporation
31	V.T.Ashokkumar	Erode Corporation
32	M. Shanmugavadivu	Erode Corporation

## Letter of support and coordination from Line departments

### Police Department

#### TAMIL NADU POLICE DEPARTMENT

From: Deputy Superintendent of Police  
Town Traffic  
Erode.

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

**Roc.No.135/DSP(T) Erode/2015 Dated: 24.11.2017**

Sir

Sub: Traffic Police - Police Department - Letter of support towards coordinating and delivering the Pan-City and Area based initiatives under the Smart City Mission in Erode City Municipal Corporation

\*\*\*\*\*

It gives me pleasure to note that Erode City Municipal Corporation has been shortlisted to participate in the Smart City Challenge. As part of the Smart City initiative, we hope to undertake a host of projects under pan city and area based components.

We understand that the following projects fall under the ambit of Traffic & Police Department. Erode. I assure you our support to the newly special purpose vehicle in facilitating the required smart city components.

#### **Components under the ambit of Traffic & Police Department:**

1. It is suggested to divide the Erode Central bus stand in to three ie. i) At 46-Pudur ii) At Outer ring road in between Chenimalai road and Perundurai Road, iii) At outer ring road in between Bhavani road and Chithode Road
2. Shifting the present Daily Market to a place between Nosiyanoor Road and Chithode Road.
3. Providing Flyover Bridge connecting Chennimalai Road, Bullfight statue, Old railway station upto Vendipalayam.
4. Providing another Subway near Bullfight statue as railway subway tort to provide Flyover Bridge from bullfight statue to Nadarmedu.
5. Providing Flyover bridges at the ring road junctions ie. at Perundurai Road, Bhavani Road, Sathy Road and Karur Road
6. Providing footpath in all roads.
7. Providing Vehicle parking facility near bus stand and market area.
8. Widening the road from Perundurai Road to Villarasampatti four road Junction unto Nasiyanoor and the road from Kanirawuthar kularn to Bhavani Road

  
Deputy Superintendent of Police  
Town Traffic, Erode

Copy to : 1. Superintending of Police, Erode.  
2. Commissioner, Erode City Municipal Corporation.

### **Components under the ambit of Traffic & Police Department**

1. It is suggested to divide the Erode Central bus stand in to three ie., i) At 46-Pudur, ii) At Outer ring road in between Chennimalai road and Perundururai Road, iii) At Outer ring road in between Bhavani road and Chithode Road
2. Shifting the present Daily Market to a place between Nasiyanur Road and Chithode Road.
3. Providing Flyover Bridge connecting Chennimalai Road, Bullfight statue, Old railway station upto Vendipalayam.
4. Providing another Subway near Bullfight statue as railway subway (or) to provide Flyover Bridge from bullfight statue to Nadarmedu.
5. Providing Flyover bridges at the ring road junctions ie, at Perundururai Road, Bhavani Road, Sathy Road and Karur Road.
6. Providing footpath in all main Roads.
7. Providing Vehicle parking facility near bus stands and market area.
8. Widening the road from Perundururai Road to Villarasampatti four road junction upto Nasiyanur and the road from Kaniravuthar kulam to Bhavani Road.

Thank You.

Yours faithfully,



Deputy Superintendent of Police  
Town Traffic, Erode

Tamil Nadu Slum Clearance Board

**TAMILNADU SLUM CLEARANCE BOARD**

From:

Er. S.Venkatesan,  
Executive Engineer,  
Tamil Nadu Slum Clearance Board,  
Tiruppur Division,  
Coimbatore-26.

To

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

**Lr.No.1844/AE(P)2015 Date:24.11.2017**

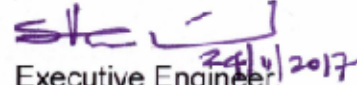
Sir

Sub: TNSCB - letter support towards co-ordinating and supportive  
- area based initiatives under the Smart City Mission in  
Erode City Municipal Corporation


.....

The TamilNadu Slum Clearance Board has great pleasure to note that Erode City Municipal Corporation has been short listed to participate in the Smart City challenge As part of the Smart City initiative we hope to undertake a <sup>Project</sup> ~~protect~~ 'Housing for all' for relocation of people along Perumpallam odai at Muthampatayam.

I assure you our support to the area based component "Housing for all" to Smart Cities.

  
Executive Engineer

Tamil Nadu Slum Clearance Board,  
Tiruppur Division,

  
24/11/17  
AE

## Department of Highways

**ERODE (H) CONSTRUCTION & MAINTENANCE DIVISION**  
(ISO 9001-2008 CERTIFIED OFFICE)



From:  
Thiru.M.G.Jayakumar, B.E.,  
Divisional Engineer,  
Construction & Maintenance,  
Highways Department, Erode.2.

To:  
The Mission Director,  
Erode Cities Mission,  
Ministry of Urban Development,  
New Delhi.

**Lr. No. 39 / 2015 / JDO 2 / Dated: 24.11.2017.**

Sir,

Sub : Erode (H) C&M Division - Smart City Development Programme-  
Letter support towards coordinating and delivering the Plan – City  
and Area based Initiatives under the Smart City Mission in Erode  
City Municipality Corporation - Regarding.

Ref: The Commissioner, Erode Corporation, Erode Letter C.No.E1/ 5005/  
2015/ Dated: 22.11.2017

\* \* \* \* \*

It gives me great pleasure to note that Erode City Municipal Corporation has been shortlisted to participate in the Smart City Challenge. As part of the Smart City initiative, we hope to undertake a host of projects under pan city and area based components.

We understand that the following projects fall under the ambit of Erode (H) Construction & Maintenance Division, Erode District. I assure you our support to the newly set up special proposal vehicle in facilitating the required Smart City components. The following proposal may kindly be considered in light of Erode traffic improvement proposal.

### **PROPOSAL FROM ERODE (H) C&M DIVISION FOR SMART CITY**

Sl. No.	Name of work	Proposals	Remarks
1	2	3	4
<b>STATE HIGHWAYS ROADS</b>			
1	Erode-Dharapuram road km 0/0-7/6	1. Widening from Km.6/0-7/6 DL - ML 2. Foot path from Km. 0/0-5/0 3. Construction Centre Median	To Link the road with Ring Road with in Erode Corporation Limit Bus stand, G.H., Railway Station, Moolapalayam etc., Wherever space available Wherever space available

Sl. No.	Name of work	Proposals	Remarks
2	Erode-Perundurai-Kangayam road km 0/0-8/2	1. Foot path Km.0/0-7/0 2. Pedestrian Subway at Km.0/8 of Panneer selvam part, Km 1/6 of Kalaimagal School, Km 2/10 of Collector office, Km.6/8 of Thindal	Junction Improvement at Km.0/8 Panneerselvam park Km.0/8 Ellaimarriamman kovil to Thindal road Superintendent of Police Office
3	Thoppur-Mettur-Bhavani-Erode road km 82/600-93/984	1. Widening from Km.82/6 - 90/0 DL - ML 2. Centre Median Km.82/6 - 92/0 3. Foot path KM.90/0 - 93/984	Km.2/6 of Lakshmi nagar to VOC Park  (Wherever space available)
4	Ooty-Kothagiri-Mettupalayam-Sathy -Gobi-Erode road km 153/4-161/626	1. Widening from Km.153/4 - 161/626 DL - ML 2. Foot path from Km. 160/0 - 161/626 3. Construction of Bridge at Soolai 4. Construction of Centre Median	Chithode to Bus stand Bus stand to C.N.C. College Km 160/0 Pedestrian sub way Km 161/626 of Ooty-Kothagiri-Mettupalayam-Sathy -Gobi-Erode road & 98/6 of Thoppur-Mettur-Bhavani-Erode road
5	Mallikarai-Rasipuram-Thiruchengodu -Erode road km 94/660-98/860	1. Widening for Km.94/660 - 96/2 DL - ML 2. Foot path KM.96/0 - 98/860	Cauvery river to Karungal palayam Karungal palayam to Kalaimadu silai
6	Erode-Thingalore road km 0/0-8/0	1. Widening from Km.0/0- 5/0 DL - ML 2. Construction of Centre Median 3. Construction of drain and foot path Km 0/0-1/0	Sampath Nagar to Villarasampatti
7	Erode Karur Road Km.0/0-3/2. (SH.84)	1. Widening from Km.0/0 - 3/0 2. Construction of Centre Median 3. Junction Improvements at Km.2/6, 2/10 4. Drain cum footpath Km.0/0 - 3/0	Moolapalayam Annamar Petrol Bunk and Solar Vendipalaylam and Solar Wherever space available
<b>MAJOR DISTRICT ROADS</b>			
8	Erode-Chennimali road km 0/0-13/4	1. Widening from Km.1/2 - 5/0 DL - ML 2. Construction of Centre Median 3. Construction of ROB at Km.2/10 4. Foot path Km.0/0 - 3/0	TNSTC Head Office to K.K. Nagar Railway Station to K.K. Nagar

Sl. No.	Name of work	Proposals	Remarks
9	Bye pass road connecting km 5/4 of Erode-Perundurai road and km 6/2 of Erode-Sathy road km 0/0-8/4	Widening from Km.0/0- 2/0 DL - ML Km. 2/0- 8/4 IL - DL	Veerappam palayam to Villarasampatty, Villarasampatty - Kaniravuthar kulam
10	Erode-Muthur road km 0/0 - 3/3	ROB at Km.1/6 & 2/10	Vendipalayam to Solar
<b>OTHER DISTRICT ROADS</b>			
11	Kollampalaya m to Erode - Muthur road km 0/8-3/0	Widening for IL - DL	Kollampalayam - 46 Pudur
12	Palayapalayam -Rangam palayam road (via) Nallipalayam km 0/0-4/2	Widening for SL - IL	
13	Byepass road to Erode-Bhavani road(via) Ramanathapuram Pudur km 0/0-3/4	Widening for SL - IL	
14	Palakkattur-Sottaiyam palayam road km 0/0-3/033	Widening for IL - DL	Linking road (SH15) Ooty-Kothagiri-Mettupalayam-Sathy -Gobi-Erode road to Thoppur-Mettur-Bhavani-Erode road
15	Erode-Sathy road to Periyavalasu (via) Manickampalaya road km 0/0-2/6	Widening for IL - DL Construction of foot path cum drain Km 0/0-2/0	
16	Erode-Sathy road to Sadayampalaya m km 0/0-2/0	Widening for IL - DL	
17	Erode-Bhavani road to Erode-Sathy road (via)Thanneer pandal palayam km 0/0-2/0	Widening for IL - DL	



Sl. No.	Name of work	Proposals	Remarks
18	Erode-Perundurai road to Villarasampatt y road (via) Karapparai km 0/0-2/0	Widening for IL - DI. and Construction of drain Km 0/0-0/5	
19	Erode-Bhavani road to Sastri Nagar road km 0/0-1/2	Widening for SL - IL	
20	Nethaji road km 0/275-1/4	1. Widening from DI. - MI. 2. Foot path from Km. 0/275 - 1/14 3. Centre Median	
21	Erode-Chennimalai road to Periyasadayam palayam road (via) Railway colony, Sastri Nagar Km 0/0-3/8	Widening from SL - IL	
22	Teacher's colony road Km 0/0-0/8	Construction of Drain cum footh path	

**Exlucive Proposals :**

1. Extending the Erode Ring Road from Thindal - Agragram of Bhavani road (Length App. 7.00Km.)
2. Construction of grade separater from Moolapalayam - Saraswathi Thirumanamandapam
3. Construction of ROB at Kalaimadusilai near Railway Station
4. Construction of Grade separater at SH / MDR intersection with Ring Road (ie) SH 84, SH 83A, SH 84A, MD 108
5. SP office, Taluk office, Union office, Sub jail, Old Court to be shifted pheriptical area to utilise this place for multi level parking.

  
Divisional Engineer,  
C&M, Highways, Erode.2.

  
24.11.17

Copy to the District Collector, Erode District.

Copy to the Commissioner, Erode Corporation, Erode.

Copy to the Assistant Divisional Engineer (H) Erode / Bhavani / Kodumudi / Perundurai .

Copy to the Assistant Engineer C&M, (H) Erode Sec II, Bhavani, Anthiyur, Kodumudi, Perundurai

Copy to the Junior Engineer (H) C&M, Erode Sec I..

TANGEDCO



TAMILNADU GENERATION AND DISTRIBUTION CORPORATION

Er.D.RAJENDRAN,M.E.,  
Superintending Engineer,  
Erode Electricity Distribution Circle,

948,E.V.N. Road,  
Erode – 638 009.  
Phone:0424 2217245  
Fax :0424-2217245  
Cell :9445851900  
Mail ID:seed@tnebn.net.org  
Dated. 10.12.2015

To.

The Commissioner,  
Erode Corporation,  
Erode

Lr.No:SE/EEDC/AEE/DEV/AE/GL/CL.I/F.Smart City/D.158/2017, Dated.24.11.2017

Dear Sir,

Sub: Electricity – TANGEDCO- Erode Electricity Distribution Circle – Letter support towards coordinating and delivering the Pan – City and Area Based Initiatives under the Smart City Mission in Erode City Municipal Corporation.  
Ref: The Commissioner/Erode Corporation/Erode's Letter  
நக.எண். @1/5005/2015 நாள்.22.11.2017

-----oOo-----

It is a great pleasure to extend our support to the Erode City Municipal Corporation as it has been shortlisted to participate in the Smart City Challenge. As part of the Smart city initiative, we hope to give a support letter as requested vide reference.

Encl: 1 Sheet

Thank You

Yours Faithfully,

*Dr. D. Rajendran*  
Superintending Engineer, 24/11/17  
EEDC: Erode  
1/4



POWERING TAMILNADU'S PROGRESS

**ERODE ELECTRICITY DISTRIBUTION CIRCLE**

**To whomsoever it may concern**

Consequent to the Erode Corporation getting selected as Smart city, TANGEDCO has brought to the knowledge of the corporation, the implementation of schemes that are in corporation 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-project 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 the Government of India.

*S. S. Manojan* 22/1/17  
Superintending Engineer  
EEDC: Erode  
2/17

## TNSTC

### TAMIL NADU STATE TRANSPORT CORPORATION (CBE) LTD., ERODE REGION.

Ref.No. SPL /P1/ COMML / TSTC / ER /2017

Dt. 25.11.2017

The Commissioner,  
Erode Corporation,  
Erode-638 001.

Sir.

Sub: Smart City – Erode – Smart City Plan – Implementation of Works –  
Suggestions – Letter of Support towards selection of Erode as a  
SMART CITY by Central Government of India - Reg.

Ref: Your Office Lr. No. C1 / 5005 / 2015 dt. 22.11.2017.

In the reference cited letter it has been requested to give a support letter for the development of Erode City as Central Government adopted Smart City race in our Country.

As a Coordinator for the development of Erode under Smart City development scheme, the following projects may be considered for implementation with positive efforts.

In continuation of our Letter No. 5353 / D1 / Comml / TSTC / ERD / 2015 dt.23.12.15, the following suggestions are also to be adopted.

To avert traffic congestion and free flow of all types of vehicles including passenger vehicles all the Roads are to be widened in Erode as a prime nature of work.

Flyovers are being constructed near G.H. It will be feasible only for the vehicles passing towards Coimbatore. But in the places like P.S.Park, Clock Tower, Sathy Road, Mettur Road, Gandhiji Road, under bridge near Railway Colony, Chennimalai road (near K.K.Nagar) are to be given much importance for smooth vehicles trafic.

Ring road is being laid down. This should be completed at the earliest date. If this road will open next year we would introduce new town services starting from both ends.

Government Offices in Erode Town may be shifted to outer side of the City. Taluk Office, S.P. Office, Courts are to be shifted in the new proposed area. This will makes the appearance of Erode City clean.

It is noted that except in P.S.Park side before Erode Corporation Office, there are no platforms to trespassers and pedestrians in Erode city. This is quiet enough for safety of public. For this all roads in Erode City are to be widened with necessary basic plat forms for trespassers.

Fly over from Erode P.S.Park to R.S / adjoining Sathy road to be constructed, so as to avoid traffic congestion in P.S.Park area. This will help to the School going Children studying in CSI, and Government HSC School near by P.S.Park.. Subways near GH, P.S.Park are also to be considered for construction.

New modernized Bus Terminal is to be provided for Erode City. The number of buses in Erode City is increased day to day. So the facilities on the bus stand are to be in a modernized nature. It will be built with the expectation of growth up to the year 2050 in our City.

..2..

It is noted that Erode City is a heart of Power distribution all over Tamil Nadu. For this the Electrical Towers in Erode City are to be made with renovations / later type of trans bonding towers. In many places Tower / transformers are found nearby road sides. For ex. at Diesel shed in Chennimalai road there is a tower which is frequently affected by showers and thunders. It is noted that bus stop is also located near by this Electric Tower. It make cause damages to public, near by houses, buses stopped near by at that time.

Separate Water Scheme to be given for Erode City. It is obviously noted that Erode is situated on the back of Cauvery. Water is the basic requirement for the development of this City.

It is suggested that Erode City should be a Bright City in future. For this later types of LED Bulbs and Lights are to be fixed in all the major roads during night time.

Thanking You

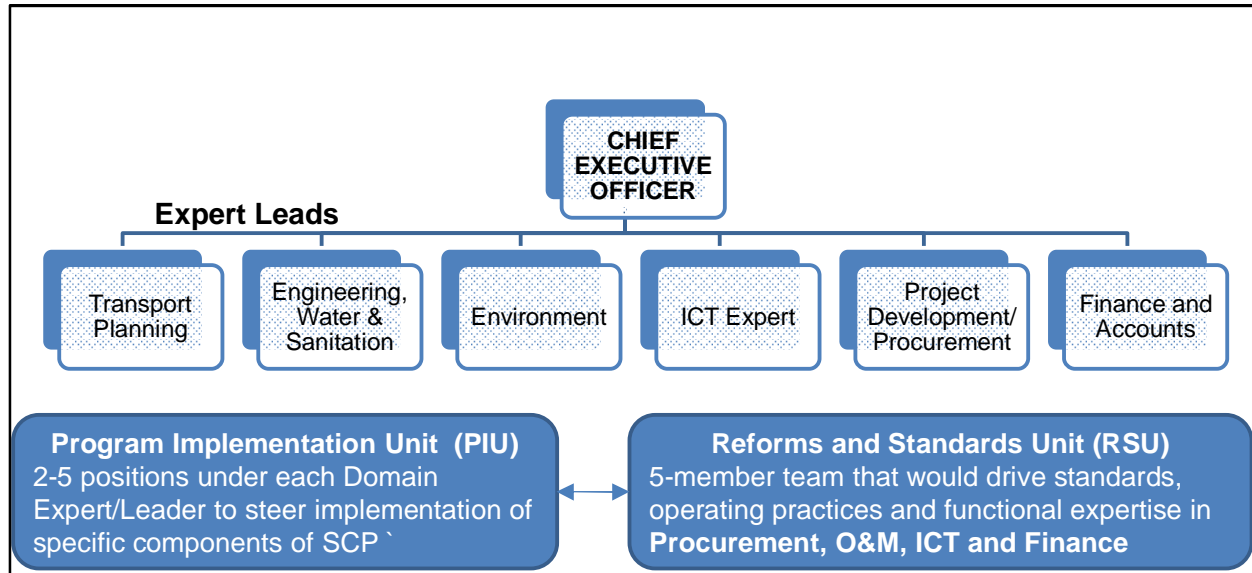
Yours Faithfully  
For TNSTC (CBE) Ltd., Erode Region

*ML*  
*25/11/17*  
FOR GENERAL MANAGER

T:\Traffic\Smart City.doc

## Preliminary human resource plan for the SPV

**Organisation Chart** (to be finalized by the Staffing Committee of the Board of the SPV upon formation)

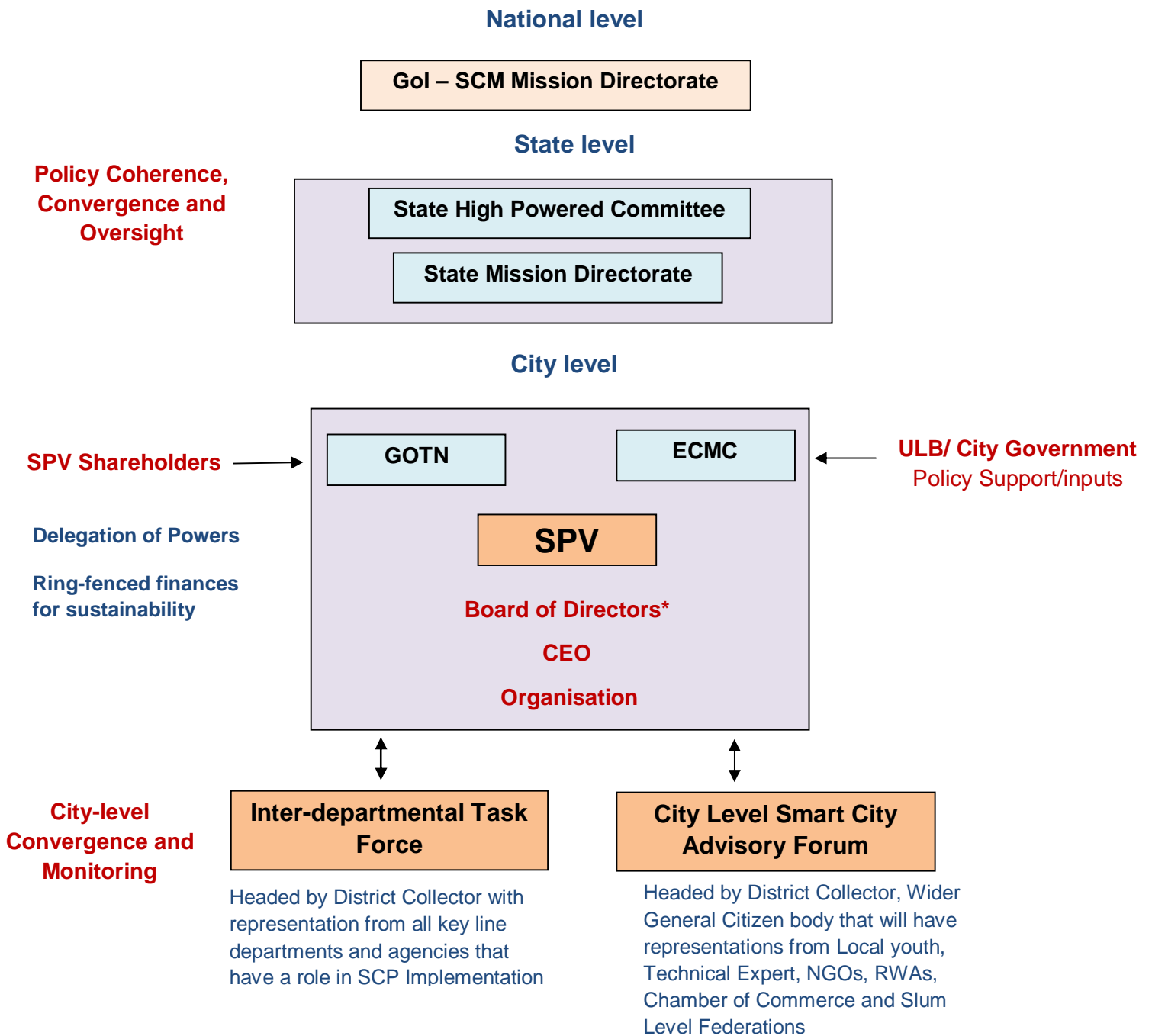


### Initial features of SPV organisation (identified based on consultations at City and State level)

- Leanly staffed team with focus on building core expertise
- CEO and Expert Leads will be full-time employees of SPV
- Expert Leads will report into the CEO and will comprise **Domain leads** [Transport Planning, Engineering (incl. water and sanitation), Environment] and **functional leads** [Procurement, ICT and Finance]
- A Program Implementation Unit and a Reforms & Standard Unit will operate under the Domain leads and Function leads respectively. 1-3 middle/junior experts would be assigned to each Lead.

The PIU and RSU may be staffed either with full-time staff or a combination of full-time staff and contractual experts / consultants

# Annexure 4 – 4 Institutional arrangement for operationalization of the SPV



## Annexure 4 – 5 G.O on Implementation of Smart Cities



### 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**

ஆத்யஸ்து மல 2046

ககஜ துல, Mo 15

### **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**

## State's G.O on SPV



### **ABSTRACT**

Smart Cities Mission – Special Purpose Vehicle for Madurai, Salem, Vellore and Thanjavur Corporations – Initial Activities – Permission Accorded - Orders – Issued.

### **MUNICIPAL ADMINISTRATION AND WATER SUPPLY (MA2) DEPARTMENT**

**G.O.(Ms) No.174**

**Dated 01.12.2016**

திருவள்ளூர்வராண்டு, 2047

துன்முகி வருடம், கார்த்திகை 16

**Read:**

1. G.O.(Ms.)No.112, Municipal Administration and Water Supply Department, dated 31.07.2015.
2. G.O.(Ms.)No.77, Municipal Administration and Water Supply Department, dated 24.05.2016.
3. From the Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited, Letter No.TUFIDCO/Smart City/44/AM(S) 2015, dated 26.09.2016 and 13.10.2016.

\*\*\*\*\*

### **ORDER:**

For the implementation of the Government of India Sponsored Smart Cities Mission in the State, Administrative Sanction has been issued, vide the Government Order first read above.

2. The Corporations of Greater Chennai and Coimbatore are among the 20 Cities which have qualified as Smart Cities for the year 2015-16.

3. The Government of India has announced the list of 27 cities selected for development as Smart Cities in Round Two of Smart City Programme for the year 2016-2017 which includes the following cities of Tamil Nadu :-

- i. **Madurai City Municipal Corporation**
- ii. **Salem City Municipal Corporation**
- iii. **Vellore City Municipal Corporation**
- iv. **Thanjavur City Municipal Corporation**

4. As per Para 10 of the Smart Cities Mission Guidelines, to plan, implement, manage and operate the Smart City development projects, a **City Level Special Purpose Vehicle (SPV)** is required to be established. The **important aspects** of the Special Purpose Vehicle are as below:-

- i. The Special Purpose Vehicle will plan, appraise, approve, release funds, implement, manage, operate, monitor and evaluate the Smart City development projects.
- ii. The Special Purpose Vehicle will be a limited company incorporated under the Companies Act, 2013 at the city-level, in which the State and the Urban Local Body will be the promoters having 50:50 equity share holding.
- iii. The initial paid up capital of the Special Purpose Vehicle will be Rs.200 crore. (Urban Local Body share Rs.100 crore and State share - Rs.100 crore). The Government of India will release Rs.194 crore for the first year.
- iv. As per the guidelines, the Chief Executive Officer of the Special Purpose Vehicle will be appointed with the approval of the Ministry of Urban Development, for a fixed term of three years and will be removed only with the prior approval of Ministry of Urban Development.
- v. The guidelines suggest that the key functions and responsibilities of the Special Purpose Vehicle contained therein will be included in the Articles of Association of the Special Purpose Vehicle.
- vi. An important aspect is 'Delegating the rights and obligations' of the municipal council with respect to the Smart City project to the Special Purpose Vehicle.

5. Further, based on the Mission Guidelines, Special Purpose Vehicles have already been established for Chennai and Coimbatore Corporations vide the Government Order second read above.

6. The Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation (TUFIDCO) has stated that Special Purpose Vehicles are to be established for the recently approved Smart Cities viz., Vellore, Salem, Thanjavur and Madurai. The Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation (TUFIDCO) has also suggested that the

composition of Special Purpose Vehicle of Coimbatore may be adopted for the cities of Vellore, Salem, Thanjavur and Madurai, as below:-

- |       |  |   |                   |
|-------|--|---|-------------------|
| i.    | Madurai Special Purpose Vehicle  | Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited | Chairman          |
|       | Vellore Special Purpose Vehicle  | Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited | Chairman          |
|       | Salem Special Purpose Vehicle  | Managing Director, Tamil Nadu Urban Infrastructure Financial Services Limited                               | Chairman          |
|       | Thanjavur Special Purpose Vehicle  | Managing Director, Tamil Nadu Urban Infrastructure Financial Services Limited                               | Chairman          |
| ii.   | The Commissioner of concerned Corporations   |   | Managing Director |
| iii.  | The Chief Executive Officer of the Special Purpose Vehicle                           |   | Director          |
| iv.   | Representative of the Ministry of Urban Department, Government of India              |   | Director          |
| v.    | Representative of the Finance Department, Government of Tamil Nadu                   |   | Director          |
| vi.   | The City Engineer of the Urban Local Body  |   | Director          |
| vii.  | The Deputy Commissioner of Police, (Traffic) of the City                             |   | Director          |
| viii. | The Superintending Engineer/ Executive Engineer, Public Works Department of the City |   | Director          |



ix. Representative of the Managing Director, Tamil Nadu Urban Infrastructure Financial Services	Director
x. The Superintending Engineer, Tamil Nadu Generation and Distribution Corporation of the City	Director
xi. Representative of the Managing Director, Electronics Corporation of Tamil Nadu Limited	Director
xii. Independent Director – Urban Expert	Director
xiii. Independent Women Director	Director

7. The Government has already approved Memorandum of Agreement and Articles of Association for Chennai and Coimbatore Smart City Special Purpose Vehicles. The Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation (TUFIDCO) has requested that the Government may permit the four Mission cities namely Madurai, Salem, Vellore and Thanjavur to adopt the same to their Special Purpose Vehicle.

8. The Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation (TUFIDCO) has requested the Government to issue necessary orders enabling Madurai, Salem, Vellore and Thanjavur Corporations to form the Special Purpose Vehicle as mandated in the Guidelines of Smart Cities Mission.

9. The Government after careful examination of the proposal of Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation (TUFIDCO) have decided to accept the same and accords permission for the establishment of Special Purpose Vehicles for the Smart Cities viz., Vellore, Salem, Thanjavur and Madurai in Tamil Nadu. The Government also permit the Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation (TUFIDCO) to adopt Memorandum of Agreement and Articles of Association approved for Chennai and Coimbatore Smart City Special Purpose Vehicles for the four Mission cities namely Madurai, Salem, Vellore and Thanjavur Corporations.

**10.** The composition of Special Purpose Vehicle for Vellore, Salem, Thanjavur and Madurai as follows:-

- |              |  |   |                   |
|--------------|--|---|-------------------|
| <b>i.</b>    | Madurai Special Purpose Vehicle  | Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited | Chairman          |
|              | Vellore Special Purpose Vehicle  | Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited | Chairman          |
|              | Salem Special Purpose Vehicle  | Managing Director, Tamil Nadu Urban Infrastructure Financial Services Limited                               | Chairman          |
|              | Thanjavur Special Purpose Vehicle  | Managing Director, Tamil Nadu Urban Infrastructure Financial Services Limited                               | Chairman          |
| <b>ii.</b>   | The Commissioner of concerned Corporations   |   | Managing Director |
| <b>iii.</b>  | The Chief Executive Officer of the Special Purpose Vehicle                           |   | Director          |
| <b>iv.</b>   | Representative of the Ministry of Urban Department, Government of India              |   | Director          |
| <b>v.</b>    | Representative of the Finance Department, Government of Tamil Nadu                   |   | Director          |
| <b>vi.</b>   | The City Engineer of the Urban Local Body  |   | Director          |
| <b>vii.</b>  | The Deputy Commissioner of Police, (Traffic) of the City                             |   | Director          |
| <b>viii.</b> | The Superintending Engineer/ Executive Engineer, Public Works Department of the City |   | Director          |

- |       |   |          |
|-------|---|----------|
| ix.   | Representative of the Managing Director,<br>Tamil Nadu Urban Infrastructure Financial<br>Services | Director |
| x.    | The Superintending Engineer,<br>Tamil Nadu Generation and Distribution<br>Corporation of the City | Director |
| xi.   | Representative of the Managing Director,<br>Electronics Corporation of Tamil Nadu Limited         | Director |
| xii.  | Independent Director – Urban Expert   | Director |
| xiii. | Independent Women Director  | Director |

11. The Commissioner of Municipal Administration is directed to pursue necessary action with reference to the orders issued in paras 9 and 10 above, in consultation with the Mission Director, Smart Cities Mission/ the Chairperson, the Tamil Nadu Urban Finance and Infrastructure Development Corporation (TUFIDCO).

12. This order issues with the concurrence of the Finance Department vide its U.O.No.190/S(E)/Fin(MAWS)/2016, dated 28.10.2016.

**(BY ORDER OF THE GOVERNOR)**

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

**To**

The Chairman and Managing Director,  
Tamil Nadu Urban Finance and Infrastructure Development Corporation  
Limited, Chennai –600 035.

The Commissioner of Municipal Administration, Chennai-600 005.

The Managing Director,  
Tamil Nadu Urban Infrastructure Financial Services Limited ,  
Chennai-600 028

The Commissioner, Corporation of Vellore / Thanjavur / Salem / Madurai.

**Copy to :**

The Municipal Administration and Water Supply Department  
(MCII/MCVI/OPII) Department, Chennai-600 009.

The Finance (MAWS) Department, Chennai-600 009

Sf/Sc.

**/FORWARDED BY ORDER/**

*Dehakeshodya*  
**SECTION OFFICER** 11/12/16  
*11/12/16*



**ABSTRACT**

Smart Cities Mission – Creation of mandatory post of Chief Executive Officer, Chief Financial Officer and Company Secretary for the Smart Cities Special Purpose Vehicles – Permission Accorded – Orders - Issued.

**MUNICIPAL ADMINISTRATION AND WATER SUPPLY (MA2)  
DEPARTMENT**

**G.O.(D)No.22**

**Dated 31.01.2017**

திருவள்ளூர்வராண்டு, 2048  
சூன்முகி வருடம், கை 18

**Already Read:**

1. G.O.(Ms)No.112, Municipal Administration and Water Supply Department, dated 31.07.2015.
2. G.O.(Ms)No.77, Municipal Administration and Water Supply Department, dated 24.05.2016.
3. G.O. (Ms.) No. 174, Municipal Administration and Water Supply Department, dated 01.12.2016.

**Read also:**

4. From the Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited, Letter No.TUFIDCO/SCP/044/AM(M)/2-15, dated 15.12.2016.

\*\*\*\*\*

**ORDER:**

In the Government Order first read above Administration Sanction was issued for the implementation of the Government of India Sponsored Smart Cities Mission in the State.

2. The Corporations of Greater Chennai and Coimbatore are among the 20 Cities which have qualified as Smart Cities for the year 2015-16.

3. The Government of India has announced the list of 27 cities selected for development as Smart Cities in Round Two of Smart City Programme for the year 2016-2017 which includes the following cities of Tamil Nadu :-

- i. **Madurai City Municipal Corporation**
- ii. **Salem City Municipal Corporation**
- iii. **Vellore City Municipal Corporation**
- iv. **Thanjavur City Municipal Corporation**

4. Based on the Mission Guidelines, permission for Special Purpose Vehicles as a limited company have been accorded for Chennai and Coimbatore Corporations in the Government Order second read above.

5. In the Government Order third read above Special Purpose Vehicle were also accorded permission to Madurai, Salem, Vellore and Thanjavur City Municipal Corporations.

6. In the letter fourth read above the Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited has stated that the Smart Cities guidelines mandates that the implementation of the Mission at the City level will be done by a Special Purpose Vehicle (SPV) created for the purpose. The Special Purpose Vehicle will plan, apprise, approve, release of funds, manage, operate, monitor and evaluate the Smart Cities development projects. The guideline also mandates that the Special Purpose Vehicle will be headed by a full time Chief Executive Officer (CEO).

7. The Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited has also stated that the guidelines specified that the paid up capital of the Special Purpose Vehicle to be Rs.200.00 crore (Rs.100.00 crore of Government of India contribution and Rs.100.00 crore of State / UT share). The Companies Act 2013 states that if the paid up capital is Rs.10.00 Crore or more, the company has to appoint full time Chief Financial Officer (CFO) and Company Secretary (CS). The Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited along with the Government have decided that the appointment of Chief Executive Officer, Chief Financial Officer and Company Secretary can be from the open market.

8. The Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited has requested orders of the Government for creation of the mandatory posts of Chief Executive Officer, Chief Financial Officer and Company Secretary for Smart Cities Special Purpose Vehicles.

9. The Government after careful examination accept the proposal of the Chairman and Managing Director, Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited and accord sanction for creation of the mandatory posts of Chief Executive Officer, Chief Financial Officer and Company Secretary for all the Smart Cities Special Purpose Vehicles accorded sanction in Government Order 2<sup>nd</sup> and 3<sup>rd</sup> read above.

10. The Government also prescribe qualification, remuneration, roles and responsibilities of Chief Executive Officer, Chief Financial Officer and Company Secretary to be appointed for Special Purpose Vehicle's to Smart Cities as annexed to this order.

11. This order issues with the concurrence of the Finance department vide its U.O.No.4183/Fin(MAWS)/2016, dated 30.01.2017.

**(BY ORDER OF THE GOVERNOR)**

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

**To**

The Chairman and Managing Director,  
Tamil Nadu Urban Finance and Infrastructure Development Corporation  
Limited, Chennai-600 035.

The Commissioner,

Greater Chennai Corporation of Chennai, Chennai-600 003.

The Commissioner of Municipal Administration,  
Chennai -600 005.

The Commissioners, Coimbatore, Madurai, Salem, Vellore, Thanjavur  
Corporations.

**Copy to :**

The Ministry of Urban Development,  
Government of India, New Delhi-110011.

The Office of the Hon'ble Chief Minister, Chennai-600 009

The Spl.P.A to Hon'ble Minister (MA&RD, Impn. Spl. Prog),,  
Chennai-600 009

The Municipal Administration and Water Supply (MCI/MCII/OPII)  
Department, Chennai-600 009.

The Finance (MAWS) Department, Chennai-600 009.

Sf/Sc

**/FORWARDED BY ORDER/**

*D. Lakshmi Devi*  
31/1/17  
**SECTION OFFICER**

*MSS*  
21/1/17

**Annexure-I to G.O.(Ms).No.22, Municipal Administration and  
Water Supply Department, dated 31.01.2017**

**The prescribed qualification, remuneration and roles and responsibilities of Chief Executive Officer to be appointed for Special Purpose Vehicle's to Smart Cities.**

**CHIEF EXECUTIVE OFFICER:**

The Chief Executive Officer is the visionary who develops the selected areas for Smart City projects and ensures that the objective of enhancing sustainability and livability by providing specific inputs to all infrastructure development projects is fulfilled.

**Roles & Responsibilities:**

The broad roles and responsibilities of the Chief Executive Officer shall cover but are not limited to the following activities:

- i. Provide overall leadership in formulating and achieving the Smart Cities plan objectives of improving sustainability and livability in the Smart City area.
- ii. Be primarily accountable to the Board of the Company for all activities, decisions, and objectives.
- iii. Engage with the line departments / Consultant in defining the scope, project design, and implementation plan for each urban development project taken up under smart city proposals.
- iv. Assess the resource requirements, from technical design consultants to contractors and developers, for implementing urban development projects in coordination with the line departments / Board of the Company.
- v. Build and nurture relationship with the Corporation's leadership / council to influence policy and goal alignment, and to improve coordination for project implementation.
- vi. Be a member of the sector specific Procurement Committees, and oversee hiring of project consultants and implementing agencies/ contractors for respective sector projects in coordination with line departments.

	with a developmental mind set, an effective personality and an ability to build external and internal relationships.
Consolidated pay per month (all inclusive on CTC basis) for deserving candidate (90%)	Rs.2.5 lakhs.
Performance Linked Pay (10%)	Rs.0.25 lakh. The Performance Linked Pay Guideline will be issued separately.
Tenure of employment	Initially for a period of three years and will be considered for extension based on performance.

**Academic qualification and experience: Other than Chennai**

Age as on 01.11.2016	Age of candidates should not exceed 50 years as on 01.11.2016.
Essential Qualification	Graduation in Engineering and Post-Graduation in Engineering / Business Administration from reputed institutions, with at least 60% marks or equivalent grade point average.
Experience	Not less than 15 years of post-qualification experience in managerial capacity in an equivalent or similar position in a reputed organization, of which not less than 5 years in urban sector. International engagement will be considered as an added advantage. In addition to technical competence, equal importance will be given to strategic thinkers, with a developmental mind set, an effective personality and an ability to build external and internal relationships.



Consolidated pay per month (all inclusive on CTC basis) for deserving candidate (90%)	Rs.2.0 lakhs.
Performance Linked Pay (10%)	Rs.0.20 lakh. The Performance Linked Pay Guideline will be issued separately.
Tenure of employment	Initially for a period of three years and will be considered for extension based on performance.

**Annexure-II to G.O.(Ms).No.22, Municipal Administration and Water Supply Department, dated 31.01.2017**

**The prescribed qualification, remuneration and roles and responsibilities of Chief Financial Officer to be appointed for Special Purpose Vehicle's to Smart Cities.**

**CHIEF FINANCIAL OFFICER:**

The Chief Financial Officer is the executive head responsible for financial management of the Company. He/She is responsible for assessing financial needs and preparing annual and long term plans, raising funds to meet the requirements, drafting policies and rules to ensure compliance with best practices in financial management, authorising cash flow to project specific and administrative expenses, and financial accounting and reporting. Oversee the management and coordination of all fiscal reporting activities of the Company including - expense and balance sheet reports, utilisation reports to funding agencies, etc.

**Roles & Responsibilities:**

The broad roles and responsibilities of the Chief Financial Officer shall cover but are not limited to the following activities

- i.** Develop overall financial strategy and plan for SPV.
- ii.** Provide overall leadership in raising sufficient funds to meet the planned CAPEX and OPEX requirements of smart city projects, and unplanned cost escalations and cash flow constraints.
- iii.** Manage the budgeting processes and develop internal control to avoid budget over run.
- iv.** Responsible for implementing the approved financial polices of SPV and ensuring compliance.
- v.** Responsible for preparation of annual budget (revenue and capital).
- vi.** Obtain necessary clearances and approval from the Governing Board and the Executive Committee for management of day to day operations.
- vii.** Ensure accuracy of all the accounting records.
- viii.** Ensuring that proper internal systems and controls are in place.

- ix. Preparation of financial statements.
- x. Cash and bank management.
- xi. Payroll management with the support of third party service providers.
- xii. Be part of the Purchase Committee and oversee all purchasing and payroll activity for staff, consultants, vendors, and contractors.
- xiii. Ensure statutory and regulatory compliances related to financial management functions.
- xiv. Develop Chart of accounts, reporting formats etc.,
- xv. Oversee Accounts Payable and Accounts Receivable and ensure a disaster recovery plan is in place.
- xvi. Oversee the management and coordination of all fiscal reporting activities for SPV including - expense and balance sheet reports, utilisation reports to funding agencies, etc.
- xvii. Develop and maintain systems of internal controls to safeguard financial assets of SPV.
- xviii. Support and facilitate the work of independent auditors ensuring all audit issues are resolved, and all compliance issues are met, and the preparation of the annual financial statements is in accordance with applicable accounting standards.

**Academic qualification and experience: Chennai**

Age as on 01.11.2016	Age of candidates should not exceed 40 years as on 01.11.2016.
Essential Qualification	Graduation in any discipline with at least 60% marks or equivalent grade point average and Member of Institute of Chartered Accountants of India or Institute of Cost Accountants of India or two-years full time Master of Business Administration / Post Graduate Diploma in Management with specialization in Finance from IIMs / IITs or in a reputed institution.

Experience	Not less than 7 years of post-qualification experience in managerial capacity in an equivalent or similar position in a reputed organization.
Consolidated pay per month (all inclusive on CTC basis) for deserving candidate (90%)	Rs.1.25 lakhs.
Performance Linked Pay (10%)	Rs.0.125 lakh. The Performance Linked Pay Guideline will be issued separately.
Tenure of employment	Initially for a period of three years and will be considered for extension based on performance.

**Academic qualification and experience: Other than Chennai**

Age as on 01.11.2016	Age of candidates should not exceed 40 years as on 01.11.2016.
Essential Qualification	Graduation in any discipline with at least 60% marks or equivalent grade point average and Member of Institute of Chartered Accountants of India or Institute of Cost Accountants of India or two-years full time Master of Business Administration / Post Graduate Diploma in Management with specialization in Finance from IIMs / IITs or in a reputed institution.
Experience	Not less than 7 years of post-qualification experience in managerial capacity in an equivalent or similar position in a reputed organization.
Consolidated pay per month (all inclusive on CTC basis) for deserving candidate (90%)	Rs.1.00 lakhs

Performance Linked Pay (10%)	Rs.0.10 lakh. The Performance Linked Pay Guideline will be issued separately.
Tenure of employment	Initially for a period of three years and will be considered for extension based on performance.

**Annexure-III to G.O.(Ms).No. 22, Municipal Administration and  
Water Supply Department, dated 31.01.2017**

**The prescribed qualification, remuneration and roles and responsibilities of Company Secretary to be appointed for Special Purpose Vehicle's to Smart Cities.**

**COMPANY SECRETARY:**

The Company Secretary is primarily responsible for all statutory compliances of Special Purpose Vehicle. He/She is in charge of secretarial, legal, corporate governance and administrative functions of the Company. He is responsible for conducting board and shareholders' meetings, statutory compliances, filing forms with various statutory authorities, court cases, due diligence / drafting of all contract documents, preparation and submission of periodical MIS, liaison with various Government Departments / Agencies, formulating and implementing HR policies of the Company.

The broad roles and responsibilities of the Company Secretary shall cover but are not limited to the following activities:

**Roles & Responsibilities:**

- i.** Ensure compliance of the provisions of Companies Law and rules made there-under and other statutes and bye-laws of the company.
- ii.** Ensure that business of the company is conducted in accordance with its objects as contained in its memorandum of association.
- iii.** Ensure that affairs of the company are managed in accordance with its objects contained in the articles of association and the provisions of the Companies Law.
- iv.** Prepare the agenda in consultation with the CEO and Managing Director and the other documents for all the meetings of the board of directors.
- v.** Arrange with and to call and hold meetings of the board and to prepare a correct record of proceedings.
- vi.** Attend the board meetings in order to ensure that the legal requirements are fulfilled, and provide such information as are necessary.

- vii. Prepare, in consultation with the chairman, the agenda and other documents for the general meetings.
- viii. Arrange with the consultation of CEO and Managing Director the annual and extraordinary general meetings of the company and to attend such meetings in order to ensure compliance with the legal requirements and to make correct record thereof.
- ix. Carry out all matters concerned with the allotment of shares, and issuance of share certificates including maintenance of statutory Share Register and conducting the appropriate activities connected with share transfers.
- x. Prepare, approve, sign and seal agreements leases, legal forms, and other official documents on the company's behalf, when authorised by the board of the directors or the executive responsible.
- xi. Advise, in conjunctions with the company's solicitors, the chief executive or other executive, in respect of the legal matters, as required.
- xii. Engage legal advisors and defend the rights of the company in Courts of Law.
- xiii. Maintain custody of the seal of the company.
- xiv. Assist day to day administration activities of the company and to report to CEO.

**Academic qualification and experience: Chennai**

Age as on 01.11.2016	Age of candidates should not exceed 35 years as on 01.11.2016
Essential Qualification	Graduation in any discipline with at least 60% marks or equivalent grade point average and Member of Institute of Company Secretaries of India. Preference will be given to those candidates who is also a Member of Chartered Accountants of India or Institute of Cost Accountants of India.

Experience	Not less than 5 years of post-qualification experience in managerial capacity in an equivalent or similar position in a reputed organization.
Consolidated pay per month (all inclusive on CTC basis) for deserving candidate (90%)	Rs.1.0 lakh
Performance Linked Pay (10%)	Rs.0.10 lakh. The Performance Linked Pay Guideline will be issued separately.
Tenure of employment	Initially for a period of three years and will be considered for extension based on performance.

**Academic qualification and experience: other than Chennai**

Age as on 01.11.2016	Age of candidates should not exceed 35 years as on 01.11.2016.
Essential Qualification	Graduation in any discipline with at least 60% marks or equivalent grade point average and Member of Institute of Company Secretaries of India. Preference will be given to those candidates who is also a Member of Chartered Accountants of India or Institute of Cost Accountants of India.
Experience	Not less than 5 years of post-qualification experience in managerial capacity in an equivalent or similar position in a reputed organization.
Consolidated pay per month (all inclusive on CTC basis) for deserving candidate (90%)	Rs.0.75 lakh.



Performance Linked Pay (10%)	Rs.0.07 lakh. The Performance Linked Pay Guideline will be issued separately.
Tenure employment of	Initially for a period of three years and will be considered for extension based on performance.

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

**/TRUE COPY/**

*DSKakshreddy*  
**SECTION OFFICER**

*Msk*  
*30/11/17*

## Annexure 4 – 6 Funding Options Available with TNUIFSL



**Kakarla Usha, I.A.S.,**  
Managing Director

18 December 2015

Tamil Nadu Urban Infrastructure Financial Services Limited operates three externally aided projects for funding urban infrastructure projects implemented in Tamil Nadu as detailed below:

i) KfW assisted Sustainable Municipal Infrastructure Financing in Tamil Nadu – Phase-II – Part-1 (SMIF-TN-II-1) Program with an outlay of Euro 80 mn (equivalent to about Rs.578.16 crores). The entire amount is allotted for investment in urban infrastructure projects.

ii) KfW assisted Sustainable Municipal Infrastructure Financing in Tamil Nadu – Phase-II – Part-2 (SMIF-TN-II-2) Program with an outlay of Euro 107.75 mn (equivalent to about Rs.877.39 crores). Of the above Euro 100 mn (equivalent to about Rs.814.30 crores) is allotted for investment in urban infrastructure projects.

iii) World Bank assisted Tamil Nadu Sustainable Urban Development Project (TNSUDP) with an outlay of US \$ 600 mn (equivalent to about Rs.3831 crores) of which the World Bank financing is US \$ 400 mn (equivalent to about Rs.2554 crores). Of the above US \$ 384 mn (equivalent to about Rs.2451.84 crores) is allotted for investment in urban infrastructure projects.

Further, resources may also be mobilized from the capital markets on pooled finance mechanism for funding urban infrastructure projects. A sum of Rs.222.30 crores has already been mobilized and utilized for implementing urban infrastructure projects within the State. Further resources under the pooled finance mechanism will be mobilized based on the requirement for implementing urban infrastructure projects by the Urban Local Bodies in Tamil Nadu.

Kakarla Usha  
Managing Director

**TAMIL NADU URBAN INFRASTRUCTURE FINANCIAL SERVICES LIMITED**

No. 19, T.P. Scheme Road, Raja Annamalaipuram, Chennai 600 028.

Phone : 044 - 24643103 | 24643104 | 24643105 | 24643107 Fax : 044 - 24613106 website : www.tnuifsl.com

## Annexure 4 – 7 Expression of Interest of Private/Multilateral Agencies in supporting the implementation of Smart City Initiatives

**ROYAL DANISH EMBASSY**  
New Delhi

The Commissioner  
Erode City Municipal Corporation  
Erode  
Tamil Nadu

11, Golf Links  
New Delhi 110 003  
Tel: +91 (11) 4209 0700  
Fax: +91 (11) 2460 2019  
E-mail: delamb@um.dk  
<http://indien.um.dk>



Enclosure

File

Department

28 June 2016

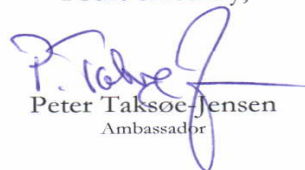
### **Erode Smart City: Expression of interest**

The Royal Danish Embassy, New Delhi, expresses its interest in cooperating with Erode on the Smart Erode mission.

The Royal Danish Embassy had undertaken a Fact Finding Mission to Erode in March 2016 and aims to provide a platform for the involvement of Danish technology, knowledge and competencies with the city authorities in Erode on various smart city related projects.

We look forward to a fruitful collaboration.

Yours sincerely,

  
Peter Taksøe Jensen  
Ambassador



**M.Chinnasami**  
Chairman

**S.Ganesan**  
Secretary

No. 119, Power House Road, Erode - 638 001,  
Tamilnadu, India Mobile : 097869 53395  
www.olirumerodu.com, email : info@olirumerodu.com



**OLIRUM ERODU**  
foundation



*Handwritten signature and date '23/3/17'*

**Date: March 23, 2017**

To,

**The Commissioner,**  
Erode City Municipal Corporation  
New No.246, Old No.894  
Brough Road,  
Erode – 638 001

**Subject: Support to ECMC's Smart City initiative**

Dear Sir,

We would like to Congratulate you and the entire Team of Erode City Municipal Corporation (ECMC) on taking forward of Erode Smart City Initiatives into a new feather.

We are delighted to extend our supports to ECMC in taking initiatives for implementing the Erode Smart City Initiatives as listed in the Smart City Proposals to really make a long lasting and sustainable engagement along with all concerned stakeholders.

We would also like to mention our efforts towards making Erode Smart City initiatives as people centric. As part of Olirum Erodu Foundation, we have continuously campaigning with holistic approach to mobilise supports from citizens of Erode towards making Erode Smart City Proposals in reality in coming years. In turn Erode citizens have expressed immense aspiration and transformative supports for making Erode Smart City initiatives.

Thanking You,

Yours sincerely

*Handwritten signature of B. Chandrasekaran*  
**B.Chandrasekaran**  
Chief Executive Officer



23/3/17

March 23, 2017

The Commissioner,  
Erode city Municipal Corporation  
New No.246, Old No.894  
Brough Road,  
Erode - 638 001



Subject: Support to ECMC's Smart City initiative

Dear Sir,

We would like to ~~take~~ this opportunity to congratulate you and the entire ECMC team on the plan to make Erode a smart city.

We will be delighted to extend our support to erode Corporation in implementing the smart initiatives as listed in their smart city proposal and seek a deeper engagement at your convenience to drive this forward.

Thanking You.

Yours Sincerely  
For SCHNELL ENERGY EQUIPMENTS (P) LTD

Authorised Signatory

**Schnell Energy Equipments Pvt. Ltd.**

CIN : U31900TZ2008PTC014277

6/3, Ranganayaki Nagar, Lions Club Building, Gudalur Village, Periyanaickenpalayam, Coimbatore - 641020, India

Tel : + 91 - 422 - 2697077 TIN : 33092027439 CST No. : 966405 Dt. : 02.03.09

E-mail : schnell@schnellenergy.com



March 20, 2017

The Municipal Commissioner,  
Erode City Municipal Corporation  
New No.246, Old No 894  
Brough Road, Erode – 638 001

Dear Sir,

Subject: Letter of Support for Erode Smart City initiative under Smart City Mission-Reg.

We would like to take this opportunity to congratulate you and the entire ECMC team on the plan to make Erode a smart city.

Since last year, we are actively involved in different rounds of consultations with Erode City Municipal Corporation (ECMC) on Smart City Proposal for Erode city. We further keen to get involved during the next stages of detailed planning and implementation of the Smart City Proposal for Erode City.

In this regard, we would like to contribute our knowledge, efforts and involvement towards development of city.

Smart Cities will get a benefit of, ecologically friendly, technologically integrated and meticulously planned with a particular reliance on the use for information technology and improve efficiency.

City will improve economic development and activity is sustainable and rationally incremental by virtue of being based on success-oriented market drivers such as supply and demand. They benefit everybody, including citizens, businesses, the government and the environment.

Cities need to sustainability increase the efficiency in which they operate and use their resources, by way of our participation in various forms and resources in development of various projects in Erode City Municipal Corporation smart city Proposals.

We strongly believe proposed smart city projects will greatly benefit our community/research/etc. and we express our full support."

Through this letter we express our intention of participation in these prestigious projects of making Erode a **SMART CITY**.

Thanking You,  
Yours sincerely  
for Infrastructure Management and Advisory Services Pvt Ltd

  
(N.Nagarajan)  
General Manager



**INFRASTRUCTURE MANAGEMENT AND ADVISORY SERVICES PRIVATE LIMITED**

Block - I, IC, First Floor, Bajaj Apartments, No.4/7, Nandanam Extension Main Road, Nandanam, Chennai - 600035.

Ph: 044-2431 2513 / 4306 6550 Email: [info@inmaas.com](mailto:info@inmaas.com) Web: [www.inmaas.com](http://www.inmaas.com)

CIN : U74210TN2008PTC066522

# EVERBRIGHT ENGINEERING COMPANY



*An Engineering, Procurement & Construction Company*

The Municipal Commissioner,  
Erode City Municipal Corporation  
New No.246, Old No.894  
Brough Road,  
Erode – 638 001.

Handwritten signature and date: 24/3/2017



Sub : Letter of Support for Erode Smart City initiative under Smart City  
Mission – reg.

Dear Sir,

We would like to take this opportunity to congratulate you and the entire ECMC team on the plan to make Erode a smart city.

Since last year, we are actively involved in different rounds of consultations with Erode City Municipal Corporation (ECMC) on Smart City Proposal for Erode city. We further keen to get involved during the next stages of detailed planning and implementation of the Smart City Proposal for Erode City.

In this regard, we would like to contribute our knowledge, efforts and involvement towards,

Cities will get a benefit of, ecologically friendly, technologically integrated and meticulously planned with a particular reliance on the use for information technology and improve efficiency.

City will improve economic development and activity is sustainable and rationally incremental by virtue of being based on success-oriented market drivers such as supply and demand. They benefit everybody, including citizens, businesses, the government and the environment.

Cities need to sustainability increase the efficiency in which they operate and use their resources, by way of our participation in various forms and resources in development of various projects in Erode City Municipal Corporation smart city Proposals.

**Pumping Infrastructure**

**Piping Infrastructure**

**Electrical Infrastructure**

**[www.everbright.co.in](http://www.everbright.co.in) e-mail : [info.everbright@gmail.com](mailto:info.everbright@gmail.com)**

Shop No 47, TNHB Complex, 180 Luz Church Road, Mylapore, Chennai - 600 004. ☎ 044 - 2466 2445

TIN No 33930801770 CST No. 698776 /99



I strongly believe proposed smart city projects will greatly benefit my community/research/etc. and am writing to express my full support."

Through this letter we express our intention of participation in these prestigious projects of making Erode a **SMART CITY**.

Thanking You,

Yours Sincerely,  
For EVERBRIGHT ENGINEERING CO.,

Manager Accounts.





**Confederation of Indian Industry**

(Southern Region) Erode Zone  
P & C Towers, III Floor  
140 Perundurai Road, Erode - 638011  
T : +91 424 2219080  
E : ci.erode@cii.in  
W : www.cii.in

March 23, 2017

Subject: Support to Erode City Municipal Corporation's Smart City initiative

Dear Mr Seeni Ajmal Khan,

We would like to take this opportunity to congratulate you and the entire ECMC team on the plan to make Erode a smart city.

Erode city is the district of talent pool of educated youths. Construction contractors in Erode together generate a billion dollars turnover every year. There is diverse entrepreneurship, and the people are business and industry oriented. Erode definitely qualifies for the next cycle.

With this introduction, CII would like to extend our support to Erode Municipal Corporation for implementing the smart initiatives as listed in their smart city proposal and seek a deeper engagement at your convenience to drive this forward.

Thanking You,

With regards



**Mr M Seeni Ajmal Khan**  
The Commissioner,  
Erode City Municipal Corporation  
Erode - 638 001

TIN No. 33112880543

௩.

1200

0424-2214873  
98432 - 21487

Fax : 0424-4270873

# LAVANYA ELECTRICALS

Dealers in : All Kinds of Electrical Goods

17, Prakasam Street, ERODE - 638 001, Erode District  
E-mail : lavanyaelectricals@rediffmail.com

லாவண்யா எலக்ட்ரிகல்ஸ், ஈரோடு - 638 001.

March 20, 2017

Ref. No.

The Municipal Commissioner,  
Erode City Municipal Corporation  
New No.246, Old No.894  
Brough Road,  
Erode - 638 001



Date.....

**Subject:** Letter of Support for Erode Smart City initiative under Smart City Mission.

Dear Sir,

We would like to take this opportunity to congratulate you and the entire ECMC team on the plan to make Erode a smart city.

Since last year, we are actively involved in different rounds of consultations with Erode City Municipal Corporation (ECMC) on Smart City Proposal for Erode city. We further keen to get involved during the next stages of detailed planning and implementation of the Smart City Proposal for Erode City.

In this regard, we would like to contribute our knowledge, efforts and involvement towards, Cities will get a benefit of, ecologically friendly, technologically integrated and meticulously planned with a particular reliance on the use for information technology and improve efficiency.

City will improve economic development and activity is sustainable and rationally incremental by virtue of being based on success-oriented market drivers such as supply and demand. They benefit everybody, including citizens, businesses, the government and the environment.

TIN No. 33112880543

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0424-2214873  
98432 - 21487  
Fax : 0424-4270873

## LAVANYA ELECTRICALS

Dealers in : All Kinds of Electrical Goods  
17, Prakasam Street, ERODE - 638 001. Erode District  
E-mail : lavanyaelectricals@rediffmail.com

லாவண்யா எலக்ட்ரிகல்ஸ், ஈரோடு - 638 001.

Ref. No.

Date.....

Cities need to sustainability increase the efficiency in which they operate and use their resources, by way of our participation in various forms and resources in development of various projects in Erode City Municipal Corporation smart city Proposals.

I strongly believe proposed smart city projects will greatly benefit my community/research/etc. and am writing to express my full support."

Through this letter we express our intention of participation in these prestigious projects of making Erode a SMART CITY.

Thanking You,

Yours sincerely



LAVANYA ELECTRICALS  
No 17, PRAKASAM STREET,  
ERODE - 638 001.

# Prasanna Engineering Works

550, Agraharam Street, ERODE - 638 001.

March 20, 2017

To

The Municipal Commissioner,  
Erode City Municipal Corporation  
New No.246, Old No.894  
Brough Road,  
Erode - 638 001



**Subject:** Letter of Support for Erode Smart City initiative under Smart City Mission.

Dear Sir,

We would like to take this opportunity to congratulate you and the entire ECMC team on the plan to make Erode a smart city.

Since last year, we are actively involved in different rounds of consultations with Erode City Municipal Corporation (ECMC) on Smart City Proposal for Erode city. We further keen to get involved during the next stages of detailed planning and implementation of the Smart City Proposal for Erode City.

In this regard, we would like to contribute our knowledge, efforts and involvement towards, Cities will get a benefit of, ecologically friendly, technologically integrated and meticulously planned with a particular reliance on the use for information technology and improve efficiency.

City will improve economic development and activity is sustainable and rationally incremental by virtue of being based on success-oriented market drivers such as supply and demand. They benefit everybody, including citizens, businesses, the government and the environment.

Cities need to sustainability increase the efficiency in which they operate and use their resources, by way of our participation in various forms and resources in development of various projects in Erode City Municipal Corporation smart city Proposals.

I strongly believe proposed smart city projects will greatly benefit my community/research/etc. and am writing to express my full support."

Through this letter we express our intention of participation in these prestigious projects of making Erode a **SMART CITY**.

Thanking You,

Yours sincerely

*N. Nithila*  
**Prasanna Engineering Works**  
550, AGRAHARAM STREET  
ERODE - 638 001

March 20, 2017

The Municipal Commissioner,  
Erode City Municipal Corporation  
New No.246, Old No.894  
Brough Road,  
Erode – 638 001

Kind Attn: Thiru. Seeni Ajmalkhan, Commissioner

Subject: Letter of Support for Erode Smart City initiative under Smart City Mission.

Dear Sir,

Greetings from Bharti airtel ltd,  
Apart from providing connectivity , we provide conferencing solutions,  
m-governance solutions , and wifi enablement .

We would like to take this opportunity to congratulate you and the entire ECMC team on the plan to make Erode a smart city.

Since last year, we are actively involved in different rounds of consultations with Erode City Municipal Corporation (ECMC) on Smart City Proposal for Erode city. We further keen to get involved during the next stages of detailed planning and implementation of the Smart City Proposal for Erode City.

In this regard, we would like to contribute our knowledge, efforts and involvement towards,

Cities will get a benefit of, ecologically friendly, technologically integrated and meticulously planned with a particular reliance on the use for information technology and improve efficiency.

City will improve economic development and activity is sustainable and rationally incremental by virtue of being based on success-oriented market drivers such as supply and demand. They benefit everybody, including citizens, businesses, the government and the environment.





Cities need to sustainability increase the efficiency in which they operate and use their resources, by way of our participation in various forms and resources in development of various projects in Erode City Municipal Corporation smart city Proposals.

we strongly believe proposed smart city projects will greatly benefit my community/research/etc. and am writing to express my full support.”

Through this letter we express our intention of participation in these prestigious projects of making Erode a **SMART CITY**.

Thanking You,  
Yours sincerely

*M. Rajinikanth*  
9944101112

Rajinikanth maturi  
Business manager-govt vertical  
Bharti airtel ltd.  
101, Santhome high road,  
Oceanic towers  
Santhome, chennai.  
Call up : 9944101112  
E mail : rajinikanth.maturi@airtel.com





**Reliance Jio**  
Infocomm Limited

No.89, Dr.Radhakrishnan Salai, Mylapore, Chennai 600 004 – Ph.044-43320585.

March ~~29~~-2017 .

The Municipal Commissioner,  
Erode City Municipal Corporation  
New No.246, Old No.894  
Brough Road,  
Erode – 638 001

Kind Attn: Thiru. Seeni Ajmalkhan, Commissioner

Subject: Letter of Support for Erode Smart City initiative under Smart City Mission.

Dear Sir,

### Credentials

We would like to take this opportunity to congratulate you and the entire ECMC team on the plan to make Erode a smart city.

Since last year, we are actively involved in different rounds of consultations with Erode City Municipal Corporation (ECMC) on Smart City Proposal for Erode city. We further keen to get involved during the next stages of detailed planning and implementation of the Smart City Proposal for Erode City.

In this regard, we would like to contribute our knowledge, efforts and involvement towards,

Cities will get a benefit of, ecologically friendly, technologically integrated and meticulously planned with a particular reliance on the use for information technology and improve efficiency.

City will improve economic development and activity is sustainable and rationally incremental by virtue of being based on success-oriented market drivers such as supply and demand. They benefit everybody, including citizens, businesses, the government and the environment.

Cities need to sustainability increase the efficiency in which they operate and use their resources, by way of our participation in various forms and resources in development of various projects in Erode City Municipal Corporation smart city Proposals.

No.89, Dr.Radhakrishnan Salai, Mylapore, Chennai 600 004 – Ph.044-43320585.

Reliance Jio Infocomm Limited (formerly Infotel Broadband Services Limited); CIN U72900MH2007PLC234712

Registered Office: 3rd Floor, Maker Chambers IV, 222, Nariman Point, Mumbai 400021, India. Tel: 022-22785500; Fax: 022-22785560



**Reliance Jio**  
Infocomm Limited


No.89, Dr.Radhakrishnan Salai, Mylapore, Chennai 600 004 – Ph.044-43320585.

I strongly believe proposed smart city projects will greatly benefit my community/research/etc. and am writing to express my full support.”

Through this letter we express our intention of participation in these prestigious projects or making Erode a **SMART CITY**.

Thanking You,  
Yours sincerely

For Reliance Jio Infocomm Ltd.

  
Authorized Signatory

(K. Ramu)

Reliance Jio Infocomm Limited (formerly Infotel Broadband Services Limited): CIN U72900MH2007PLC234712

Registered Office: 3rd Floor, Maker Chambers IV, 222, Nariman Point, Mumbai 400021, India. Tel: 022-22785500; Fax: 022-22785560





# INDIAN MEDICAL ASSOCIATION

## Erode Branch

**President**

**Dr. K. Soundara Raj**  
Consultant Orthopaedic Surgeon  
Raja Hospital  
247, Eswaran Kovil Street,  
Erode - 638 001.  
Mobile: 94439 07085  
Email: drsoundararaj@gmail.com

**Hon. Secretary**

**Dr. P. Jayanth Kumar**  
Consultant ENT & Facial Plastic Surgeon  
Lotus & Care 24 Hospital  
HIG-1064, Manickampalayam Housing Unit  
Erode - 638 011  
Mobile: 94426 46960  
Email: drjayanthkumar@gmail.com

**Finance Secretary**

**Dr. V. Sachithanandam**  
Consultant Orthopaedic Surgeon  
Erode Ortho Centre  
803, EVN Road  
Erode - 638 001  
Mobile: 94437 20831  
Email: erodeorthoctr@gmail.com

**Dr. M.V. Madhan Kumar**  
Consultant Laparoscopic Surgeon  
Imm. Past President  
9443229321

**Dr. E. Thangavelu**  
Consultant Diabetologist  
Vice President  
99945 22822

**Dr. Chakravarthi Mailer Ravindran**  
Consultant Dermatologist  
Joint Secretary I  
96552 19181

**Dr. S.T. Prasad**  
Consultant Paediatrician  
Joint Secretary II  
98427 23055

**Dr. T. Vijayakumar**  
Consultant Orthopaedic Surgeon  
Asst. Secretary  
98427 29575

29-11-2017

To  
The Commissioner  
Erode City Municipal Corporation  
Erode.

Respected Sir,

We would like to extend our full support for the initiative taken by the corporation for getting E-Health Smart City project to Erode District.

Thanking you

Yours sincerely

Dr. P. Jayanth Kumar

Hony Secretary IMA Erode Branch.

**SECRETARY**  
INDIAN MEDICAL ASSOCIATION  
**ERODE**

**Address for Correspondence**

**Dr. P. Jayanth Kumar**  
Hon. Secretary, Erode IMA  
Consultant ENT & Facial Plastic Surgeon  
Lotus & Care 24 Hospital

HIG-1064, Manickampalayam Housing Unit, Erode - 638 011, Tamilnadu, India  
Mobile: 94426 46960 / E-mail: erodeima1949@gmail.com / drjayanthkumar@gmail.com



## Annexure 4 - 8. Under TNSUDP – World Bank GO Release for Model City



### ABSTRACT

Tamil Nadu Sustainable Urban Development Project (TNSUDP) - Model Cities sub-component - Velore City Municipal Corporation, Erode City Municipal Corporation and Hosur Municipality selected as Model Cities for support under the sub-component - Orders - Issued.

#### MUNICIPAL ADMINISTRATION AND WATER SUPPLY (MA2) DEPARTMENT

**G.O.(Ms)No.31**

**Dated: 17.02.2015**

திருவள்ளூர் ஆண்டு 2016  
ஜூன் வருடம், அரிசி 5

**Read:**

From the Director of Municipal Administration,  
Rec.Lr.No. 16865 / 2014 / WB, Dated 10.12.2014.

\*\*\*\*\*

#### **ORDER:**

The proposed World Bank assisted Tamil Nadu Sustainable Urban Development Project (TNSUDP) has "Model Cities" as one of its sub-component with the main objective of demonstrating new models in urban management.

2. Under this sub-component, three selected medium sized Urban Local Bodies will be empowered and incentivized to improve governance and service delivery, such that the "Model Cities" become role models for the urban local bodies across the State.

3. The Director of Municipal Administration in his proposal read above has stated that the World Bank pre-appraisal Mission which visited the State during October 2014, has agreed on the Disbursement Linked Indicators (DLIs) approach for the Model Cities sub-component and also four 'Reform / Management / Governance' areas, namely, (i) Urban Local Bodies' Empowerment and Capacity, (ii) Sustainable finances; (iii) Development Planning; and (iv) E-governance and Government of India 'Smart City Program' Information and Communication Technology benchmarks that would form the basis for Disbursement Linked Indicators.

4. The Director of Municipal Administration has also stated that, the selected Model Cities will be provided an annual grant based on satisfactory performance in these urban governance / management areas aggregating to

US \$ 60 million for all model cities over the period of Tamil Nadu Sustainable Urban Development Project.

**5.** Disbursements will be based on the achievement of pre-specified results / annual targets specified in the set of Disbursement Linked Indicators in these four areas. On achieving the Disbursement Linked Indicators, these disbursements will be against a set of 'Eligible Expenditures'.

**6.** The Director of Municipal Administration in his proposal read above has stated that, Population and population growth, Revenue Expenditure base and presence of revenue surplus, Availability of master plans and plans for Infrastructure are the parameters for selection of Model Cities and has furnished a summary of the status of the Municipal Corporations and Municipalities in the State, with respect to the said criteria.

**7.** The Director of Municipal Administration has stated that, based on a review of these criteria, two options were examined for selection of cities under the Model Cities component:

(I) A threshold level of population and future potential as reflected in recent population is a critical consideration for selection of a city as a model city. Two cities, Vellore and Erode, with a population base higher than 475,000 and population growth greater than 20% emerge as eligible cities.

(II) A review of latest available financial accounts Vellore (2013) and Erode (2014) indicate that both cities have a revenue expenditure base higher than Rs.50 crore with a revenue surplus and hence meet threshold level of revenue expenditure necessary to be in a position to absorb the USD 60 million (Rs.360 crore) over a 5 to 6 years period, as proposed under the model Cities component.

**8.** The Director of Municipal Administration has further stated that, Vellore and Erode cities also have Water supply and Under Ground infrastructure coverage, at-least, partially within the city and plans for revision. While Vellore already has a Master Plan approved in 2011, the Master Plan for Erode is currently under revision.

**9.** The Director of Municipal Administration has stated that, apart from the above two Corporations, during discussions with the World Bank, addition of one Municipality under the Model Cities component was discussed. In this regard, Hosur emerges as the eligible Municipality in view of the factors that, (i) Hosur municipality is a special grade municipality (ii) As a leading industrial city, it has significant industrial intrinsic potential for development (reflected in the rapid growth in population in city / extended areas) (iii) With the completion of Hogenakkal water supply, a water distribution system and underground drainage system are being planned for the city.

**10.** The Director of Municipal Administration has stated that in view of the above factors, the Vellore City Municipal Corporation, the Erode City Municipal Corporation and the Hosur Municipality emerge as the eligible cities for support under the Model Cities sub-component of the Tamil Nadu Sustainable Urban Development Project and requested the Government to issue necessary orders in this regard.

**11.** The Government after careful examination of the proposal of the Director of Municipal Administration on the selection of Vellore City Municipal Corporation, Erode City Municipal Corporation and Hosur Municipality (which emerge as the eligible cities as per the parameters) as the Model Cities for support under the Model Cities sub-component of the Tamil Nadu Sustainable Urban Development Project, accept the same and orders accordingly.

**(BY ORDER OF THE GOVERNOR)**

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

**To**

The Director of Municipal Administration, Chennai -5.  
The Chairperson and Managing Director,  
Tamil Nadu Urban Infrastructure Financial Services Limited,  
Chennai-17.

**Copy to:**

The Ministry of Urban Development,  
New Delhi - 110 001.  
The Department of Economic Affairs,  
Ministry of Finance, New Delhi - 110 001.  
The Country Director,  
World Bank, New Delhi.  
The Special Personal Assistant to the Hon'ble Minister (MA, RD, Law, Cts, & Pri.)  
Chennai-9.  
The Finance (EAP/MAWS) Department, Secretariat, Chennai-9.  
Sf/Sc

**/FORWARDED BY ORDER/**

**SECTION OFFICER**

# **Memorandum of Agreement**

**Between**

**Government of Tamil Nadu (GoTN) through  
Department of Municipal Administration (DMA)**

**And**

**The Municipal Corporation of Erode**

Tamil Nadu Sustainable Urban Development Project (TNSUDP)

August 2015



தமிழ்நாடு தமில்நாடு TAMILNADU

Rs. 100/-  
No. 23875  
Date 18/8/2015  
COMMISSIONER  
ERODE CORPORATION

AV 774095  
P.G. MURALI KRISHNAM  
STAMP VENDOR  
No 21 VALLAB-IA AGRAPARAM STREET  
TRIPPLICANE, CHENNAI-600 005.  
L No B-3-13827 / 93  
Phone : 28544262

THIS AGREEMENT is made on this 18th day of August 2015 between the Government of Tamil Nadu through the Department of Municipal Administration (hereinafter referred to as DMA)

AND

The Municipal Corporation of Erode through its authorized person (hereinafter referred to as ERODE CITY MUNICIPAL CORPORATION)

WHEREAS Erode City Municipal Corporation seeks financial assistance from the DMA under the Urban Governance and Management Enhancement of Model Towns Sub-component of the Tamil Nadu Sustainable Urban Development Mission (TNSUDP);

AND WHEREAS the DMA and Erode City Municipal Corporation as the Implementation agency for oversight of implementation of the targets set under the Disbursement Linked Indicators (DLI) framework set forth under the Urban Governance Component of TNSUDP

NOW THE PARTIES WITNESSED as follows:

1. That the DMA shall release the amounts to Erode City Municipal Corporation as per the terms and conditions of the engagement specified here-in-after in this agreement;
2. That the Erode City Municipal Corporation shall report to the DMA on an annual basis, the performance of ERODE CITY MUNICIPAL CORPORATION with respect to the Disbursement Linked Indicator (DLI) reform targets and also the Annual Financial Statements, as per the format provided by Erode City Municipal Corporation
3. That the Erode City Municipal Corporation shall submit a spending plan to the DMA for the grants received under this sub component. The ERODE CITY MUNICIPAL CORPORATION shall also provide periodic (quarterly) updates to the DMA on the utilization of grants received under this sub-component against the spending plan provided.
4. That the DMA shall appoint Independent verification agents for verifying the submissions of Erode City Municipal Corporation. That the DMA or an agency nominated by it, may undertake site visits to ascertain the progress of the DLI reform actions through designated representatives as and when required

5. Review and changes to the terms of this MOA if required, will be governed and made as per the terms and conditions of the Project Appraisal document and Loan Agreement of TNSUDP

IN WITNESS HEREOF all the parties have put their hands on these presents of Memorandum of Agreement in the presence of witnesses.

**SIGNATORIES:**

1. Director of Municipal Administration

*[Handwritten signature]*  
10/2/15

2. Commissioner, Erode City Municipal Corporation

*[Handwritten signature]*  
**Commissioner  
Erode City Municipal Corporation**

**WITNESS:**

1. *[Handwritten signature]* .....

*[Handwritten signature]*

2. City Engineer(I/c), Erode City Municipal Corporation

*[Handwritten signature]*  
**[K. ARUMUGIAM]**



**TERMS OF EEP REIMBURSEMENT**

ERODE								
	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	TOTAL
ULB Empowerment and Organizational Capacity	1.00	1.00	1.00	1.00	1.50		1.00	6.50
Spatial/ Development Planning			1.00	1.00	1.50	1.50		5.00
Sustainable Finances		1.00	1.00	1.00	1.00	1.50	1.50	7.00
E-Governance and & Public Disclosure		1.00	1.00	1.00		1.00	1.50	5.50
<b>TOTAL</b>	<b>1.00</b>	<b>3.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>24.00</b>
VELLORE								
	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	TOTAL
ULB Empowerment and Organizational Capacity	1.00	1.00	1.00	1.00	1.50		1.00	6.50
Spatial/ Development Planning			1.00	1.00	1.50	1.50		5.00
Sustainable Finances		1.00	1.00	1.00	1.00	1.50	1.50	7.00
E-Governance and & Public Disclosure		1.00	1.00	1.00		1.00	1.50	5.50
<b>TOTAL</b>	<b>1.00</b>	<b>3.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>24.00</b>
HOSUR								
	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	TOTAL
ULB Empowerment and Organizational Capacity	0.50	0.50	0.50	0.50	0.75		0.50	3.25
Spatial/ Development Planning			0.50	0.50	0.75	0.75		2.50
Sustainable Finances		0.50	0.50	0.50	0.50	0.75	0.75	3.50
E-Governance and & Public Disclosure		0.50	0.50	0.50		0.50	0.75	2.75
<b>TOTAL</b>	<b>0.50</b>	<b>1.50</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>12.00</b>
<b>GRAND TOTAL</b>	<b>2.50</b>	<b>7.50</b>	<b>10.00</b>	<b>10.00</b>	<b>10.00</b>	<b>10.00</b>	<b>10.00</b>	<b>60.00</b>

6/6

*Praveen*  
 DIRECTOR OF MUNICIPAL  
 ADMINISTRATION,  
 SHEPAUK, CHENNAI-600 005.

*Praveen*  
 Commissioner  
 Erode City Municipal Corporation

## Annexure 4 - 9- GO Released for TTRO

CE/9  
Adviser  
R



### ABSTRACT

Announcement under Rule 110 – Setting up of Tertiary Treatment Plant with Reverse Osmosis (TTRO) Plant under Public Private Partnership (PPP) Mode in 2 ULB's (Perambalur Municipality and Erode Corporation) – Supplying recycled water for Industrial Purposes – Administrative Sanction – Orders – Issued.

Municipal Administration and Water Supply (MA3) Department.

G.O.(Ms) No.47



Dated:09.05.2017  
ஹேலிளம்பி, சித்திரை 26  
திருவள்ளூர் ஆண்டு – 2048

Read :

1. G.O. (Ms) No.68., Municipal Administration and Water Supply (MA3) Department., dated 13.6.2014
2. Honorable Chief Minister announcement under Rule 110 on 29.08.16
3. From the Commissioner of Municipal Administration, Chennai.5 Letter No. Roc. No.19554/ 2015/ UGSS-1, dated.03.02.2017.

\*\*\*\*

### Order:-

In the Government Order first read above, the Government have issued order for delegation of power to decide on the sale of Secondary Treated Effluent Water (STEW) to the needy industries or buyers on case to case basis.

2. The Commissioner of Municipal Administration in his letter third read above has stated that based on the request of the 7 Urban Local Bodies (Coimbatore, Erode, Madurai, Salem and Tiruchirappalli Corporations and Perambalur and Tiruvallur Municipalities) TNUIFSL has appointed Transaction Advisor to take up a feasibility study for establishment of Tertiary Treatment Plant with Reverse Osmosis (TTRO) for recycle and reuse of treated effluent.

The consultant has recommended for taking up Perambalur and Erode TTRO's as there is considerable opportunities for setting up Tertiary Treatment Plant with Reverse Osmosis (TTRO) is feasible.

3. In the meantime, the Honorable Chief Minister has announced under Rule 110 on 29.08.2016 in the floor of Assembly:-

"கழிவு நீர் சுத்திகரிப்பு நிலையத்திலிருந்து வெளியேறும் நீர் மீண்டும் சுத்திகரித்து பயன்படுத்த ஈரோடு மாநகராட்சியில் இரண்டாம் நிலை சுத்திகரிப்பு நிலையம் அமைக்கப்பட்டு வருகிறது. இரண்டாம் நிலை சுத்திகரிக்கப்பட்ட நீரினை மறுசுழற்சி மற்றும் மறுபயன்பாட்டிற்காக மீண்டும் சுத்திகரிக்க 20 MLD கொள்ளளவு உள்ள எதிர்மறை சவ்வூடு பரவலுடன் கூடிய மூன்றாம் நிலை சுத்திகரிப்பு நிலையம் 62 கோடியே 20 இலட்சம் ரூபாய் மதிப்பீட்டில் அரசு மற்றும் தனியார் பங்களிப்பு முறையில் (PPP Mode) நிறுவப்படும். இவ்வாறு சுத்திகரிக்கப்பட்ட நீரானது தொழிற்சாலை பயன்பாட்டிற்காக வழங்கப்படும்.

இதே போன்று, பெரும்பலூர் நகராட்சியில், நெடுவாசல் சாலையில் அமைந்துள்ள 4.20 MLD கொள்ளளவு உள்ள கழிவுநீர் சுத்திகரிப்பு நிலையத்திலிருந்து வெளியேறும் இரண்டாம் நிலை சுத்திகரிக்கப்பட்ட நீரினை, மறுசுழற்சி மற்றும் மறுபயன்பாட்டிற்காக மீண்டும் சுத்திகரிக்க 2.50 MLD கொள்ளளவு உள்ள எதிர்மறை சவ்வூடு பரவலுடன் கூடிய மூன்றாம் நிலை சுத்திகரிப்பு நிலையம் 12 கோடியே 60 இலட்சம் ரூபாய் மதிப்பீட்டில் அரசு மற்றும் தனியார் பங்களிப்பு முறையில் (PPP Mode) நிறுவப்படும்."

4. Based on the announcement and recommendation of the Transaction Advisor, the feasibility report was placed before on the Tamil Nadu Infrastructure Development Board (TNIDB) on 27.09.2016.

The project structure suggested by the Consultant on Public Private Partnership (PPP) mode was agreed in principle with certain bid variables modification suggested by TNIDB.

5. The Commissioner of Municipal Administration has requested the Government to issue suitable Administrative Sanction for taking up 20 MLD Tertiary Treatment Plant with Reverse Osmosis (TTRO) Plant at a cost of Rs.62.20 crore at Erode Corporation and 2.50 MLD capacities at a cost of Rs.12.60 crore at Perambalur Municipality under PPP Mode.

6. The Government after careful examination of the proposal of the Commissioner of Municipal Administration have decided to accord Administrative Sanction for taking up 20 MLD Tertiary Treatment Plant with Reverse Osmosis (TTRO) Plant at a cost of Rs.62.20crore at Erode Corporation and 2.50 MLD capacities at a cost of Rs.12.60 crore at

//3//

Perambalur Municipality under Public Private Partnership (PPP) Mode and orders accordingly.

7. The order issues with the concurrence of Finance department vide its U.O. No.23346/2017, dated 04.05.2017.

**(By Order of the Governor)**

**HARMANDER SINGH  
PRINCIPAL SECRETARY TO GOVERNMENT.**


**To**

The Commissioner of Municipal Administration, Chennai -5.  
The Commissioner, Erode Corporation.  
The Commissioner, Perambalur Municipality  
The Managing Director,  
Tamil Nadu Urban Infrastructure Financial Services Limited, Chennai -17.  
The Pay and Accounts Officer, East, Chennai - 8.

**Copy to:**

The Principal Accountant General (G&SSA), Chennai - 18.  
The Principal Accountant General (Audit), Chennai - 18.  
The Finance (MAWS) Dept, Chennai - 9.  
The Municipal Administration and Water Supply (OP.II/MA II) Department,  
Chennai -9  
The Senior Principal Private Secretary to Principal Secretary to Government,  
Municipal Administration and Water Supply Department, Chennai -9  
The Senior Personal Assistant to Hon'ble Minister (MA,RD & Spl.Imp.Prog.),  
Chennai-9  
Stock file/spare copies

**//FORWARDED BY ORDER//**

  
SECTION OFFICER  
10/5/17

