

## 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)  |

| A       | B                               | C   | D  | E  | F   | G   | H   | I  | J  | K  |
|---------|---------------------------------|---|--|--|---|---|---|--|--|--|
| Feature | Definition                      | Scenario 1 (BASE)   | Scenario 2   | Scenario 3   | Scenario 4 (ADVANCED)   | Self-assessment of the city (Per-City Solution) with regard to each feature   | Best assessment of the city (Per-City Solution) with regard to each feature | Best assessment of the city (Per-City Solution) with regard to each feature  | Projection of when the city wants to be with regard to the feature | Key initiatives that would move the city from its current status to Advanced status (Scenario 4, Column G)   |
| 1       | Citizen participation           | A smart city consistently shapes and changes course as its strategies, incorporating views of its citizens to bring maximum benefit for all. (Guideline 3.1.6)  | The city engages citizens proactively and projects to pursue well-consulted citizens.  | The city solicits citizen feedback on some selected initiatives. The findings are compiled and incorporated into some projects or programs. Very few major decisions are shared with citizens until final projects are unveiled.   | City conducts citizen engagement at city and local level with most stakeholders and in all areas. The findings are compiled and incorporated into projects or programs.   | City consistently conducts citizen engagement with people at each level: local to incorporate their views, and then through various channels to incorporate their views. The findings are compiled and incorporated into projects or programs.                                | 3   | City Level Plans incorporated multi-stakeholder consultation<br>- Active involvement of civil groups, NGOs and citizens forums<br>- Public citizen engagement in decision making<br>- Smart Cities Challenge through "Shape your City" campaign  | 4 in next 5 years  | - Establishing consultation forums to seek local resident feedback and enable more structured inputs from these forums for decision making<br>- Setting up Citizen Grievance Redressal and a comprehensive Citizen Engagement Platform by incorporating service delivery performance feedback capture and analysis to enable long-term solutions and improved decision making                    |
| 2       | Identity and culture            | A smart city has a unique identity, which distinguishes it from other cities, based on some key aspect to 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 is this city not so somewhere else?" A smart city celebrates and promotes its unique identity and culture. (Guideline 3.1.7)   | There are few architectural monuments, symbols, and features that distinguish the unique character of the city. Built, natural and cultural heritage is not preserved and utilized to the fullest. Heritage, physical, management and policy structures.   | Historic and cultural resources are preserved and utilized to the fullest. Historic and cultural resources are preserved and utilized and the surroundings are well-maintained. Public spaces, public buildings and amenities reflect the cultural identity of the city. | Historic and cultural resources are preserved and utilized and the surroundings are well-maintained. Public spaces, public buildings and amenities reflect the cultural identity of the city.                         | Built, natural and intangible heritages are preserved and utilized to the fullest. Historic and cultural resources are preserved and utilized through various means of preservation. Public spaces, public buildings and amenities reflect the cultural identity of the city. | 2   | - Active involvement of civil groups, NGOs and citizens forums<br>- Public citizen engagement in decision making<br>- Smart Cities Challenge through "Shape your City" campaign  | 3 in next 10 years   | - Develop the lake in the city to nurture environment<br>- Exchange digital smart efforts like Combinate Vaha<br>- Create 24 signature land marks from all the ideas received from local consultation  |
| 3       | Economy and employment          | A smart city has a robust and resilient economic base and provides growth that creates long-term employment and increases opportunities for the majority of its citizens. (Guidelines 2.1 & 2.1.7 & 2.2)  | There are some job opportunities in the city but they do not reach all sections of the population. There is a high number of jobs in the informal sector without sufficient facilities.  | There is a range of job opportunities in the city for many sections of the population. The city attempts to regulate the economy through the various types of jobs available to its citizens.  | There are adequate job opportunities for all sections of the population. The city attempts to regulate the economy through the various types of jobs available to its citizens.                                       | There are adequate job opportunities for all sections of the population. The city attempts to regulate the economy through the various types of jobs available to its citizens.   | 3   | - District 4th in Tamil Nadu in GDP and 6th in per capita (FY11)<br>- Major and Pump Industry account for two third of India capacity<br>- 2000+ welfare companies and 40,000 entrepreneurs<br>- IT exports of Rs. 5000 crore (FY 15)<br>- 4.2 lakh skilled and unskilled workers                | 3  | - Building Digital India platform in selected areas of the city<br>- Creation of jobs in the informal sector<br>- Creation of jobs in the formal sector<br>- Creation of jobs in the informal sector<br>- Creation of jobs in the formal sector  |
| 4       | Education                       | A smart city offers schooling and educational opportunities for all children in the city. (Guideline 2.3.10)  | The city provides very limited educational facilities to its residents. There are some schools but very limited computer facilities. Many schools are in poor condition.   | City provides adequate primary and secondary education facilities with easily reachable distance for most residential areas. The city also provides some secondary education facilities.   | City provides adequate primary and secondary education facilities with easily reachable distance for most residential areas. The city also provides some secondary education facilities.                              | City provides adequate primary and secondary education facilities with easily reachable distance for most residential areas. The city also provides some secondary education facilities.  | 3   | - Comarative better 7 universities, 54 engineering colleges, 2 medical colleges, 35 polytechnics and over 700 Arts and Science Colleges and over 2000 technical schools<br>- There is one primary school for every 1500 population and 1 secondary school per 2115 population (Guideline 2.3.10) | 4  | - Inauguration of education facilities in selected areas of the city<br>- Creation of jobs in the informal sector<br>- Creation of jobs in the formal sector<br>- Creation of jobs in the informal sector<br>- Creation of jobs in the formal sector   |
| 5       | Health                          | A smart city provides access to healthcare for all its citizens. (Guideline 2.5.10)   | Healthcare is difficult for citizens to access - demand for healthcare often exceeds hospital ability to meet current needs.   | The city provides some access to healthcare for its residents but healthcare facilities are concentrated and far from many sections of the population. The city also provides some secondary education facilities.   | City provides adequate health facilities with easily reachable distance for all residential areas and job centers of the city. The city also provides some secondary education facilities.                            | City provides adequate health facilities with easily reachable distance for all residential areas and job centers of the city. The city also provides some secondary education facilities.  | 3   | - Over 750 hospitals and 4000+ beds<br>- Emergency response ambulance service over 100 operating 24 hours<br>- 1000+ beds in 100+ hospitals<br>- Over 300 hospitals registered daily in Combinate which has the highest per capita car and ambulance connectivity in Tamil Nadu                  | 4  | - Continued support to expand and modernize healthcare facilities to meet an aging and pre-emptive healthcare needs for the region which furthering to medical tourism potential<br>- Expansion of existing hospitals and other services<br>- Expanding public health facilities to meet the needs of the population<br>- Expanding public health facilities to meet the needs of the population |
| 6       | Mixed use                       | A smart city has different kinds of land uses in the same place, such as offices, housing, and shops clustered together. (Guidelines 2.1.1 and 2.1.2)   | The city has mostly residential areas and areas are focused either on residential, commercial, or industrial, with little or no mixed use. The city has some mixed use but it is not well-planned and is not well-served. The city has some mixed use but it is not well-planned and is not well-served. | The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together. The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together.  | The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together. The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together. | The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together. The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together.   | 2   | - Land use of the city has been a mix of offices, housing, and shops clustered together. The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together.  | 4 during the next 10 to 15 years                                   | - The proposed activities in the Master Plan complied with the existing activities in the area<br>- The proposed activities in the area<br>- The proposed activities in the area<br>- The proposed activities in the area  |
| 7       | Compact                         | A smart city encourages development to be compact and dense, where buildings are located close to each other. (Guidelines 2.3 and 2.5)  | The city is sprawling widely in its periphery into undeveloped areas. The city is sprawling widely in its periphery into undeveloped areas. The city is sprawling widely in its periphery into undeveloped areas.  | The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together. The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together.  | The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together. The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together. | The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together. The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together.   | 1   | - Density ratio of 144 sq ft area of average of 100 sq ft per capita<br>- Spreading building in green in added areas due to absence of green spaces<br>- Over 300 villages registered daily in Combinate which has the highest per capita car and ambulance connectivity in Tamil Nadu           | 3 in the next 10 years   | - Expanding activities to revive Combinate's Master Plan with the existing activities in the area<br>- The proposed activities in the area<br>- The proposed activities in the area<br>- The proposed activities in the area   |
| 8       | Public open spaces              | A smart city has sufficient and usable public open spaces, many of which are green, that provide recreational and outdoor recreation for all age groups. Public open spaces of a range of sizes are dispersed throughout the city and all citizens can have access. (Guidelines 2.1.4 & 2.2)  | The city has very few public open spaces and they are not well-served. The city has very few public open spaces and they are not well-served.  | A variety of public open spaces are available in the city. The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together.  | A variety of public open spaces are available in the city. The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together.   | A variety of public open spaces are available in the city. The city has a mix of land uses in the same place, such as offices, housing, and shops clustered together.   | 2   | - Over 1000 Open Space availability ratio 11.2 in per capita (FY 15)<br>- 100+ parks and 100+ open spaces<br>- 100+ parks and 100+ open spaces   | 4 in the next 5 to 10 years  | - Rejuvenation of the lake system in the area of the city<br>- Rejuvenation of the lake system in the area of the city<br>- Rejuvenation of the lake system in the area of the city<br>- Rejuvenation of the lake system in the area of the city   |
| 9       | Housing and inclusiveness       | A smart city has sufficient housing for all income groups and promotes inclusive growth. (Guidelines 2.1.2)   | The city has a mix of housing types but it is not well-served. The city has a mix of housing types but it is not well-served.  | The city has a mix of housing types but it is not well-served. The city has a mix of housing types but it is not well-served.  | The city has a mix of housing types but it is not well-served. The city has a mix of housing types but it is not well-served.   | The city has a mix of housing types but it is not well-served. The city has a mix of housing types but it is not well-served.   | 2   | - Over 1000 Open Space availability ratio 11.2 in per capita (FY 15)<br>- 100+ parks and 100+ open spaces<br>- 100+ parks and 100+ open spaces   | 4 in next 10 years   | - In line with the Vision Tamil Nadu 2023, Combinate considers the need to provide affordable housing for all citizens<br>- In line with the Vision Tamil Nadu 2023, Combinate considers the need to provide affordable housing for all citizens   |
| 10      | Transport                       | A smart city does not require an automobile to get around. (Guidelines 2.1.5 & 2.2)   | Personal automobile services are very few and limited. Long line lengths for daily commuters to work and education facilities are not well-served. The city has a mix of housing types but it is not well-served.  | The smart transport system is robust and well-served. The city has a mix of housing types but it is not well-served.   | The smart transport system is robust and well-served. The city has a mix of housing types but it is not well-served.  | The smart transport system is robust and well-served. The city has a mix of housing types but it is not well-served.  | 2   | - Well-served road network of over 2100 km with main corridors<br>- Well-served road network of over 2100 km with main corridors<br>- Well-served road network of over 2100 km with main corridors   | 4  | - Mass Transit Systems on select corridors with investments in public transport<br>- Investments in public transport<br>- Investments in public transport<br>- Investments in public transport   |
| 11      | Walkable                        | A smart city's roads are designed equitably for pedestrians, cyclists and vehicles, and road safety and security are paramount to street design. Traffic signals are sufficient and traffic rules are enforced. Shops, restaurants, banking entrances and trees line the sidewalks to encourage walking and there is ample lighting so the pedestrian feels safe day and night. (Guidelines 2.1.3 & 2.2)  | The city has a mix of housing types but it is not well-served. The city has a mix of housing types but it is not well-served.  | The city has a mix of housing types but it is not well-served. The city has a mix of housing types but it is not well-served.  | The city has a mix of housing types but it is not well-served. The city has a mix of housing types but it is not well-served.   | The city has a mix of housing types but it is not well-served. The city has a mix of housing types but it is not well-served.   | 2   | - Share of pedestrian and cyclist 14% of trips<br>- First Tamil Nadu city to launch Happy Highway initiative under which<br>- Clean corridor and dedicated bike lanes along the Periyar Lake<br>- Well-served road network of over 2100 km with main corridors                                   | 4  | - Mass Transit Systems on select corridors with investments in public transport<br>- Investments in public transport<br>- Investments in public transport<br>- Investments in public transport   |
| 12      | IT connectivity                 | A smart city has a robust internet network allowing for high-speed connectivity to all offices and dwellings as desired. (Guideline 2.2)  | The city has a mix of housing types but it is not well-served. The city has a mix of housing types but it is not well-served.  | The city has a mix of housing types but it is not well-served. The city has a mix of housing types but it is not well-served.  | The city has a mix of housing types but it is not well-served. The city has a mix of housing types but it is not well-served.   | The city has a mix of housing types but it is not well-served. The city has a mix of housing types but it is not well-served.   | 2   | - High-speed internet connectivity (40% in urban areas)<br>- High-speed internet connectivity (40% in urban areas)<br>- High-speed internet connectivity (40% in urban areas)  | 4  | - High-speed internet connectivity (40% in urban areas)<br>- High-speed internet connectivity (40% in urban areas)<br>- High-speed internet connectivity (40% in urban areas)  |
| 13      | ICT-enabled government services | A smart city enables easy interaction (including through online and telephone services) with the government, obtaining services and transactions in interactions with government. (Guidelines 2.4.1, 2.5.1 & 2.5.2 & 2.5.3)   | Essential Government services are not linked with online platforms. Paper-intensive interactions with the government are not well-served. The city has a mix of housing types but it is not well-served.   | Some of the public services are provided online and infrastructure for digital transactions is available. The city has a mix of housing types but it is not well-served.   | Some of the public services are provided online and infrastructure for digital transactions is available. The city has a mix of housing types but it is not well-served.  | Some of the public services are provided online and infrastructure for digital transactions is available. The city has a mix of housing types but it is not well-served.  | 2   | - Citizen-centric e-governance - online payment gateway for all services<br>- Citizen-centric e-governance - online payment gateway for all services<br>- Citizen-centric e-governance - online payment gateway for all services   | 4 in next 10 years   | - Based on inputs obtained during the consultations, work closely with the District Administration and ICT services as a common platform for all government services<br>- Based on inputs obtained during the consultations, work closely with the District Administration and ICT services as a common platform for all government services   |
| 14      | Energy supply                   | A smart city has reliable, 24x7 electricity supply with no delays to requested households. (Guidelines 2.4)   | There is only intermittent electricity supply with regular power outages. Many residents have to plan their days around when power is available.   | Electricity supply meets demand as per demand and priority for various functions with clear scheduling, with electricity being available in many areas for most hours of the day.  | Electricity supply meets demand as per demand and priority for various functions with clear scheduling, with electricity being available in many areas for most hours of the day.                                     | Electricity supply meets demand as per demand and priority for various functions with clear scheduling, with electricity being available in many areas for most hours of the day.   | 2   | - Reliability supply of 1.2 MM FY15<br>- 210+ households and 30 government buildings with solar panels<br>- 210+ households and 30 government buildings with solar panels  | 4  | - Addition of solar financial incentives from the Ministry of New and Renewable Energy (MNRE) for them<br>- 100% well-to-wireless - digital meters after 5 years<br>- 100% well-to-wireless - digital meters after 5 years   |
| 15      | Energy source                   | A smart city has at least 10% of its electricity generated by renewables. (Guideline 2.2)   | The city does not have any renewable sources of energy and there is no commitment to promote renewable energy.   | The city is preparing plans for ensuring that it gets more energy from renewable sources. The city is preparing plans for ensuring that it gets more energy from renewable sources.  | The city is preparing plans for ensuring that it gets more energy from renewable sources. The city is preparing plans for ensuring that it gets more energy from renewable sources.                                   | The city is preparing plans for ensuring that it gets more energy from renewable sources. The city is preparing plans for ensuring that it gets more energy from renewable sources.   | 2   | - Renewable supply of 1.2 MM FY15<br>- 210+ households and 30 government buildings with solar panels<br>- 210+ households and 30 government buildings with solar panels  | 4  | - Addition of solar financial incentives from the Ministry of New and Renewable Energy (MNRE) for them<br>- 100% well-to-wireless - digital meters after 5 years<br>- 100% well-to-wireless - digital meters after 5 years   |
| 16      | Water supply                    | A smart city has a reliable, 24x7 supply of water that meets residents' global health needs. (Guidelines 2.4 & 2.5)   | The city has a poor water supply system with limited water availability. There are no clear targets to achieve higher quality and optimal quality standards. Unsanitary water loss to above 40%.   | The city has a 24x7 water supply in most areas but the quality of the water is not good. The city has a 24x7 water supply in most areas but the quality of the water is not good.  | The city has a 24x7 water supply in most areas but the quality of the water is not good. The city has a 24x7 water supply in most areas but the quality of the water is not good.                                     | The city has a 24x7 water supply in most areas but the quality of the water is not good. The city has a 24x7 water supply in most areas but the quality of the water is not good.   | 2   | - Water supply once in four days under Srinivas systems, 3 to 4 days under PWD systems and 4 to 7 days under Srinivas systems<br>- 100% well-to-wireless - digital meters after 5 years<br>- 100% well-to-wireless - digital meters after 5 years  | 4  | - Provision of 24x7 water supply through a pipeline for the entire city<br>- Provision of 24x7 water supply through a pipeline for the entire city<br>- Provision of 24x7 water supply through a pipeline for the entire city  |
| 17      | Water management                | A smart city has advanced water management programs, including smart meters, rain water harvesting, and green infrastructure to manage stormwater runoff. (Guideline 2.2)   | The city does not have any advanced water management programs. The city does not have any advanced water management programs.  | The city has a mix of water management programs. The city has a mix of water management programs.  | The city has a mix of water management programs. The city has a mix of water management programs.   | The city has a mix of water management programs. The city has a mix of water management programs.   | 2   | - 20% reduction in water loss to leaks and broken pipes<br>- 20% reduction in water loss to leaks and broken pipes<br>- 20% reduction in water loss to leaks and broken pipes  | 4  | - Implementation of water management practices in the area<br>- Implementation of water management practices in the area<br>- Implementation of water management practices in the area   |
| 18      | Water management                | A smart city treats all of its sewage to prevent the polluting of water bodies and aquifers. (Guideline 2.4)  | The city is unable to treat all of its sewage. Many local sewer lines open to water bodies and open ground and pollute the environment.  | The city has a mix of water management programs. The city has a mix of water management programs.  | The city has a mix of water management programs. The city has a mix of water management programs.   | The city has a mix of water management programs. The city has a mix of water management programs.   | 2   | - 20% reduction in water loss to leaks and broken pipes<br>- 20% reduction in water loss to leaks and broken pipes<br>- 20% reduction in water loss to leaks and broken pipes  | 4 in 10 years  | - Implementation of water management practices in the area<br>- Implementation of water management practices in the area<br>- Implementation of water management practices in the area   |
| 19      | Air quality                     | A smart city has air quality that always meets international standards. (Guidelines 2.4 & 2.5)  | The city does not have any air quality programs to improve air quality. The city does not have any air quality programs to improve air quality.  | The city has a mix of air quality programs. The city has a mix of air quality programs.  | The city has a mix of air quality programs. The city has a mix of air quality programs.   | The city has a mix of air quality programs. The city has a mix of air quality programs.   | 2   | - 20% reduction in water loss to leaks and broken pipes<br>- 20% reduction in water loss to leaks and broken pipes<br>- 20% reduction in water loss to leaks and broken pipes  | 4  | - Implementation of water management practices in the area<br>- Implementation of water management practices in the area<br>- Implementation of water management practices in the area   |
| 20      | Energy efficiency               | A smart city government uses state-of-the-art energy efficiency practices in buildings, street lights, and transit systems. (Guidelines 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 2.10, 2.11, 2.12, 2.13, 2.14, 2.15, 2.16, 2.17, 2.18, 2.19, 2.20, 2.21, 2.22, 2.23, 2.24, 2.25, 2.26, 2.27, 2.28, 2.29, 2.30, 2.31, 2.32, 2.33, 2.34, 2.35, 2.36, 2.37, 2.38, 2.39, 2.40, 2.41, 2.42, 2.43, 2.44, 2.45, 2.46, 2.47, 2.48, 2.49, 2.50, 2.51, 2.52, 2.53, 2.54, 2.55, 2.56, 2.57, 2.58, 2.59, 2.60, 2.61, 2.62, 2.63, 2.64, 2.65, 2.66, 2.67, 2.68, 2.69, 2.70, 2.71, 2.72, 2.73, 2.74, 2.75, 2.76, 2.77, 2.78, 2.79, 2.80, 2.81, 2.82, 2.83, 2.84, 2.85, 2.86, 2.87, 2.88, 2.89, 2.90, 2.91, 2.92, 2.93, 2.94, 2.95, 2.96, 2.97, 2.98, 2.99, 3.00, 3.01, 3.02, 3.03, 3.04, 3.05, 3.06, 3.07, 3.08, 3.09, 3.10, 3.11, 3.12, 3.13, 3.14, 3.15, 3.16, 3.17, 3.18, 3.19, 3.20, 3.21, 3.22, 3.23, 3.24, 3.25, 3.26, 3.27, 3.28, 3.29, 3.30, 3.31, 3.32, 3.33, 3.34, 3.35, 3.36, 3.37, 3.38, 3.39, 3.40, 3.41, 3.42, 3.43, 3.44, 3.45, 3.46, 3.47, 3.48, 3.49, 3.50, 3.51, 3.52, 3.53, 3.54, 3.55, 3.56, 3.57, 3.58, 3.59, 3.60, 3.61, 3.62, 3.63, 3.64, 3.65, 3.66, 3.67, 3.68, 3.69, 3.70, 3.71, 3.72, 3.73, 3.74, 3.75, 3.76, 3.77, 3.78, 3.79, 3.80, 3.81, 3.82, 3.83, 3.84, 3.85, 3.86, 3.87, 3.88, 3.89, 3.90, 3.91, 3.92, 3.93, 3.94, 3.95, 3.96, 3.97, 3.98, 3.99, 4.00, 4.01, 4.02, 4.03, 4.04, 4.05, 4.06, 4.07, 4.08, 4.09, 4.10, 4.11, 4.12, 4.13, 4.14, 4.15, 4.16, 4.17, 4.18, 4.19, 4.20, 4.21, 4.22, 4.23, 4.24, 4.25, 4.26, 4.27, 4.28, 4.29, 4.30, 4.31, 4.32, 4.33, 4.34, 4.35, 4.36, 4.37, 4.38, 4.39, 4.40, 4.41, 4.42, 4.43, 4.44, 4.45, 4.46, 4.47, 4.48, 4.49, 4.50, 4.51, 4.52, 4.53, 4.54, 4.55, 4.56, 4.57, 4.58, 4.59, 4.60, 4.61, 4.62, 4.63, 4.64, 4.65, 4.66, 4.67, 4.68, 4.69, 4.70, 4.71, 4.72, 4.73, 4.74, 4.75, 4.76, 4.77, 4.78, 4.79, 4.80, 4.81, 4.82, 4.83, 4.84, 4.85, 4.86, 4.87, 4.88, 4.89, 4.90, 4.91, 4.92, 4.93, 4.94, 4.95, 4.96, 4.97, 4.98, 4.99, 5.00, 5.01, 5.02, 5.03, 5.04, 5.05, 5.06, 5.07, 5.08, 5.09, 5.10, 5.11, 5.12, 5.13, 5.14, 5.15, 5.16, 5.17, 5.18, 5.19, 5.20, 5.21, 5.22, 5.23, 5.24, 5.25, 5.26, 5.27, 5.28, 5.29, 5.30, 5.31, 5.32, 5.33, 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7.00, 7.01, 7.02, 7.03, 7.04, 7.05, 7.06, 7.07, 7.08, 7.09, 7.10, 7.11, 7.12, 7.13, 7.14, 7.15, 7.16, 7.17, 7.18, 7.19, 7.20, 7.21, 7.22, 7.23, 7.24, 7.25, 7.26, 7.27, 7.28, 7.29, 7.30, 7.31, 7.32, 7.33, 7.34, 7.35, 7.36, 7.37, 7.38, 7.39, 7.40, 7.41, 7.42, 7.43, 7.44, 7.45, 7.46, 7.47, 7.48, 7.49, 7.50, 7.51, 7.52, 7.53, 7.54, 7.55, 7.56, 7.57, 7.58, 7.59, 7.60, 7.61, 7.62, 7.63, 7.64, 7.65, 7.66, 7.67, 7.68, 7.69, 7.70, 7.71, 7.72, 7.73, 7.74, 7.75, 7.76, 7.77, 7.78, 7.79, 7.80, 7.81, 7.82, 7.83, 7.84, 7.85, 7.86, 7.87, 7.88, 7.89, 7.90, 7.91, 7.92, 7.93, 7.94, 7.95, 7.96, 7.97, 7.98, 7.99, 8.00, 8.01, 8.02, 8.03, 8.04, 8.05, 8.06, 8.07, 8.08, 8.09, 8.10, 8.11, 8.12, 8.13, 8.14, 8.15, 8.16, 8.17, 8.18, 8.19, 8.20, 8.21, 8.22, 8.23, 8.24, 8.25, 8.26, 8.27, 8.28, 8.29, 8.30, 8.31, 8.32, 8.33, 8.34, 8.35, 8.36, 8.37, 8.38, 8.39, 8.40, 8.41, 8.42, 8.43, 8.44, 8.45, 8.46, 8.47, 8.48, 8.49, 8.50, 8.51, 8.52, 8.53, 8.54, 8.55, 8.56, 8.57, 8.58, 8.59, 8.60, 8.61, 8.62, 8.63, 8.64, 8.65, 8.66, 8.67, 8.68, 8.69, 8.70, 8.71, 8.72, 8.73, 8.74, 8.75, 8.76, 8.77, 8.78, 8.79, 8.80, 8.81, 8.82, 8.83, 8.84, 8.85, 8.86, 8.87, 8.88, 8.89, 8.90, 8.91, 8.92, 8.93, 8.94, 8.95, 8.96, 8.97, 8.98, 8.99, 9.00, 9.01, 9.02, 9.03, 9.04, 9.05, 9.06, 9.07, 9.08, 9.09, 9.10, 9.11, 9.12, 9.13, 9.14, 9.15, 9.16, 9.17, 9.18, 9.19, 9.20, 9.21, 9.22, 9.23, 9.24, 9.25, 9.26, 9.27, 9.28, 9.29, 9.30, 9.31, 9.32, 9.33, 9.34, 9.35, 9.36, 9.37, 9.38, 9.39, 9.40, 9.41, 9.42, 9.43, 9.44, 9.45, 9.46, 9.47, 9.48, 9.49, 9.50, 9.51, 9.52, 9.53, 9.54, 9.55, 9.56, 9.57, 9.58, 9.59, 9.60, 9.61, 9.62, 9.63, 9.64, 9.65, 9.66, 9.67, 9.68, 9.69, 9.70, 9.71, 9.72, 9.73, 9.74, 9.75, 9.76, 9.77, 9.78, 9.79, 9.80, 9.81, 9.82, 9.83, 9.84, 9.85, 9.86, 9.87, 9.88, 9.89, 9.90, 9.91, 9.92, 9.93, 9.94, 9.95, 9.96, 9.97, 9.98, 9.99, 10.00, 10.01, 10.02, 10.03, 10.04, 10.05, 10.06, 10.07, 10.08, 10.09, 10.10, 10.11, 10.12, 10.13, 10.14, 10.15, 10.16, 10.17, 10.18, 10.19, 10.20, 10.21, 10.22, 10.23, 10.24, 10.25, 10.26, 10.27, 10.28, 10.29, 10.30, 10.31, 10.32, 10.33, 10.34, 10.35, 10.36, 10.37, 10.38, 10.39, 10.40, 10.41, 10.42, 10.43, 10.44, 10.45, 10.46, 10.47, 10.48, 10.49, 10.50, 10.51, 10.52, 10.53, 10.54, 10.55, 10.56, 10.57, 10.58, 10.59, 10.60, 10.61, 10.62, 10.63, 10.64, 10.65, 10.66, 10.67, 10.68, 10.69, 10.70, 10.71, 10.72, 10.73, 10.74, 10.75, 10.76, 10.77, 10.78, 10.79, 10.80, 10.81, 10.82, 10.83, 10.84, 10.85, 10.86, 10.87, 10.88, 10.89, 10.90, 10.91, 10.92, 10.93, 10.94, 10.95, 10.96, 10.97, |  |  |   |   |   |  |  |  |

## 1. List of Abbreviations\*

|          |   |
|----------|---|
| CCMC     | Coimbatore City Municipal Corporation   |
| CCP      | Coimbatore City Police  |
| CCTP     | Coimbatore City Traffic Police  |
| CCTV     | Closed-circuit television   |
| CII      | Confederation of Indian Industry  |
| CODISSIA | Coimbatore District Small Industries Association                                  |
| EESL     | Energy Efficiency Services Limited  |
| ESCO     | Energy Service Company  |
| ICC      | Indian Chamber of Commerce  |
| IPDS     | Integrated Power and Distribution System  |
| ITDP     | Institute for Transportation and Development Policy                               |
| ITS      | Intelligent Transport systems   |
| MHUPA    | Ministry of Housing and Urban Poverty Alleviation                                 |
| MNRE     | Ministry of New and Renewable Energy  |
| MSME     | Ministry of Micro Small and Medium Enterprises                                    |
| NMT      | Non-Motorised Transport   |
| NTADCL   | New Tirupur Area Development Corporation Limited                                  |
| NUHM     | National Urban Health Mission   |
| PMU      | Project Management Unit   |
| PTZ      | Pan-Tilt-Zoom   |
| PMAY     | Pradhan Mantri Awas Yojana  |
| RAAC     | Residents Awareness Association of Coimbatore                                     |
| r-APDRP  | Restructured Accelerated Power Development and Reforms Programme                  |
| RFID     | Radio-frequency identification  |
| SBM      | Swachh Bharat Mission   |
| SCMP     | Solar City Mission Plan   |
| 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.          |
| UTTIPEC  | Unified Traffic and Transportation Infrastructure (Planning & Engineering) Centre |

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

## 2. List of References for Questions 1-43

This section provides sources, references and additional information pertaining to responses provided for Questions 1-43 and needs to be read along with Section 3 which lists the documents and information referred. They have been uploaded on CCMC's website for public dissemination and to provide a comprehensive reference guide for the Smart City Proposal.

| Q. No. | Sources, references and additional information  |
|--------|---|
| 1      | <p>a) Transportation condition<br/>STATUS</p> <ul style="list-style-type: none"> <li>i. Coimbatore's City Mobility Plan 2015. For document link refer Section 3 (1a)</li> <li>ii. – same as above -</li> <li>iii. – same as above-</li> <li>iv. Refer Happy Streets Coimbatore's community page on Facebook <a href="https://www.facebook.com/events/884627071037/">https://www.facebook.com/events/884627071037/</a> and CMP proposals for NMT</li> </ul> <p>EFFORTS</p> <ul style="list-style-type: none"> <li>ii. Model Roads are being planned along 6 stretches covering 11 km. The bid process for appointing consultants for the same is being initiated. <a href="http://www.thehindu.com/news/cities/Coimbatore/six-model-roads-planned-in-coimbatore/article7666730.ece">http://www.thehindu.com/news/cities/Coimbatore/six-model-roads-planned-in-coimbatore/article7666730.ece</a></li> </ul> <p>b) Water availability in the city and reduction in water wastage/ NRW<br/>STATUS</p> <ul style="list-style-type: none"> <li>i. City Development Plan. For document link, refer Section 3(1c)</li> <li>ii. Tamil Nadu ordinance passed in 2003 to make rain Water harvesting Mandatory across the State. For document link, check Section 3 (3a)</li> <li>iii. Refer <a href="https://www.ccmc.gov.in/">https://www.ccmc.gov.in/</a> for the details on the helpline</li> <li>iv. AMRUT-SLIP on water supply has the SLBs.</li> </ul> <p>EFFORTS</p> <ul style="list-style-type: none"> <li>ii. PPP bid process RFQ and DPR presentation. <a href="https://payment.ccmc.gov.in/DwnldForms/24X7_Water_supply.pdf">https://payment.ccmc.gov.in/DwnldForms/24X7_Water_supply.pdf</a></li> </ul> <p>c) Solid waste management programs in the city</p> <ul style="list-style-type: none"> <li>i. <a href="http://jnnurm.nic.in/wp-content/uploads/2013/08/City-Report-on-Coimbatore-SWM-Project-under-JNNURM_Final.pdf">http://jnnurm.nic.in/wp-content/uploads/2013/08/City-Report-on-Coimbatore-SWM-Project-under-JNNURM_Final.pdf</a> and <a href="http://icrier.org/Urbanisation/events/26-27-August-Kerala/GLatta_SWM_CCMC_PPT_Coimbatore.pdf">http://icrier.org/Urbanisation/events/26-27-August-Kerala/GLatta_SWM_CCMC_PPT_Coimbatore.pdf</a></li> <li>ii. <a href="http://www.skoch.in/168/skoch-smart-governance-award-2015--order-of-merit-list.html">www.skoch.in/168/skoch-smart-governance-award-2015--order-of-merit-list.html</a></li> <li>iii. Reported SLB performance. CCMC. Coimbatore City Development Plan. For document link, refer Section 3(1c)</li> <li>iv. – Same as Above-</li> <li>v. – Same as Above-</li> </ul> <p>d) Safety/ security conditions in the city<br/>Source: <a href="http://www.thehindu.com/todays-paper/tp-national/tp-tamilnadu/criminal-tracking-system-launched-in-coimbatore-district/article5040447.ece">http://www.thehindu.com/todays-paper/tp-national/tp-tamilnadu/criminal-tracking-system-launched-in-coimbatore-district/article5040447.ece</a> and Crime/ CCTV database. Coimbatore City Police. Additional media reporting under <a href="http://timesofindia.indiatimes.com/city/coimbatore/Crime-rate-down-this-year-Top-cop/articleshow/45684930.cms">http://timesofindia.indiatimes.com/city/coimbatore/Crime-rate-down-this-year-Top-cop/articleshow/45684930.cms</a> and <a href="http://timesofindia.indiatimes.com/city/coimbatore/Crime-rate-down-this-year-Top-cop/articleshow/45684930.cms">http://timesofindia.indiatimes.com/city/coimbatore/Crime-rate-down-this-year-Top-cop/articleshow/45684930.cms</a></p> <p>e) Energy availability and reduction of outages in the city<br/>Details collected from TANGEDCO. For document link, check Section 3 (2n)<br/>Solar City Master Plan. For document link, Check Section 3(1d)</p> <p>f) Housing situation in the city, specifically role of municipality in expediting building plan approvals, property tax collection, etc</p> <ul style="list-style-type: none"> <li>i. Refer <a href="http://115.249.120.209/bpams/cmc/loginccmc.aspx">http://115.249.120.209/bpams/cmc/loginccmc.aspx</a> for the automated building approval website</li> <li>ii. Check Section 10 for property tax DCB.</li> <li>iii. Coimbatore City Development Plan. For document link refer section 3(1c)</li> </ul> |
| 2      | <p>Presentation on E-governance system in Coimbatore. <a href="http://icrier.org/pdf/Tamilnadu_Coimbatore_6nov12.pdf">http://icrier.org/pdf/Tamilnadu_Coimbatore_6nov12.pdf</a></p>   |

| Q. No. | Sources, references and additional information   |
|--------|--|
|        | b(iii). For document link refer section 3 (2a) and (2b) for details on “Shape Your City” campaign. View <a href="https://www.ccmc.gov.in/ccmc/">https://www.ccmc.gov.in/ccmc/</a> for the corporation website  |
| 3      | <p><b>Strengths</b></p> <ul style="list-style-type: none"> <li>i. Coimbatore District Development Plan.</li> <li>ii. Coimbatore City Development Plan. For document link refer Section 3 (1c)</li> <li>iv. Coimbatore CMP. For document link refer Section 3 (1a)</li> </ul> <p><b>Weakness</b></p> <ul style="list-style-type: none"> <li>ii. AMRUT SLIP for Sewerage.</li> <li>iv. AMRUT SLIP for parks.</li> <li>v. Refer Coimbatore financials of FY15 and investments identified in CDP. Check Section J and Section 3(1c)</li> </ul>   |
| 4      | Coimbatore CMP for the key goals. For document link refer Section 3 (1a)<br>Solar City Master Plan for Section 3(1d)   |
| 5      | Step 2- For document link refer Section 3 (1a),(1c) and (2a) for the city plans<br>Step 3- Refer question 6,Section 3(2b) for the social media links, Section 3(2k) and Section 4 for detailed citizen engagement results  |
| 6      | Section 3 (2a) for the details on Shape Your City workshop and Seminar<br>Section 3 (2b) for the social media links<br>Section 3 (2e) and(2i) for the consultation questionnaire<br>Section 3(2d) and (2h) for consultation presentations<br>Section 3(2l) and (2m) for Press articles and Photographs of consultations<br>Section 3(2k) and Section 4 for findings from Citizen Engagement  |
| 7      | Annexure 2 for Self Assessment   |
| 8      |  |
| 9      | Section 3 (2o) for the baseline details of Area under ABD  |
| 10     | <p><u>Step I</u></p> <ul style="list-style-type: none"> <li>i. Refer Section 4 for the results of Citizen Pulse Survey</li> </ul> <p><u>Step II-</u> For document link 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 options identified for Area based Development</li> <li>iv. Refer Section 3(2o) for the population covered under ABD</li> <li>v. <a href="http://www.newindianexpress.com/states/tamil_nadu/Valankulam-Rid-of-Encroachments/2015/05/28/article2836202.ece">http://www.newindianexpress.com/states/tamil_nadu/Valankulam-Rid-of-Encroachments/2015/05/28/article2836202.ece</a> for the removal of encroachments around Vaalankulam lake, DPR of all lakes, <a href="http://www.thehindu.com/news/cities/Coimbatore/periyakulam-tank-bund-work-begins/article6997462.ece">http://www.thehindu.com/news/cities/Coimbatore/periyakulam-tank-bund-work-begins/article6997462.ece</a> on bund strengthening of Periyakulam lake and For document link refer Section 3 (1a) for CMP</li> </ul> <p><u>Step III</u></p> <p>For document link refer Section 3 (2j) for the Round II consultation presentation with the components of ABD proposal</p> |
| 11     | Refer Section 12 for spatial maps of ABP and Section 5 for Smart Solutions used  |
| 12     | Section E for Smart Solutions used in ABP  |
| 13     | <p><b>Table I</b></p> <ul style="list-style-type: none"> <li>1. AMRUT SLIPS</li> <li>4. For document link refer Section 3 (2n) for the details on IPDS</li> <li>5. For document link refer Section 3 (1b) for Slum-free city action plan</li> <li>6. For document link refer Section 3 (1d) for Solar City Master Plan</li> </ul>  |
| 16     | <ul style="list-style-type: none"> <li>i. <b>Seamless Mobility</b> <ul style="list-style-type: none"> <li>a. For document link refer Section 3 (1a) for the CMP proposals</li> <li>b. Refer Happy Streets Coimbatore’s community page on Facebook <a href="https://www.facebook.com/events/884627071037/">https://www.facebook.com/events/884627071037/</a></li> <li>c. Model Roads are being planned along 6 stretches covering 11 km. The bid process for appointing consultants for the same is being initiated. <a href="http://www.thehindu.com/news/cities/Coimbatore/six-model-roads-planned-in-coimbatore/article7666730.ece">http://www.thehindu.com/news/cities/Coimbatore/six-model-roads-planned-in-coimbatore/article7666730.ece</a></li> <li>d. For document link refer Section 3 (1a) for the CMP proposals</li> </ul> </li> <li>iii. Closing the water loop</li> </ul>   |

| Q. No. | Sources, references and additional information   |
|--------|--|
|        | <ul style="list-style-type: none"> <li>a. DPR of lakes and Section 3(3a) for the Tamil Nadu Municipal Laws ordinance on RWH</li> <li>b. PPP bid process RFQ. <a href="https://payment.ccmc.gov.in/DwnldForms/24X7_Water_supply.pdf">https://payment.ccmc.gov.in/DwnldForms/24X7_Water_supply.pdf</a></li> <li>c. RFP of TTRO</li> <li>iv. Sanitation and Solid Waste Management <ul style="list-style-type: none"> <li>d. Refer <a href="http://www.skoch.in/168/skoch-smart-governance-award-2015--order-of-merit-list.html">www.skoch.in/168/skoch-smart-governance-award-2015--order-of-merit-list.html</a> for the SKOCH award details</li> <li>e. Refer <a href="http://www.thehindu.com/news/cities/Coimbatore/corpn-forms-swachh-bharat-task-force/article7704183.ece">http://www.thehindu.com/news/cities/Coimbatore/corpn-forms-swachh-bharat-task-force/article7704183.ece</a> on the city sanitation task force formed to spread awareness</li> </ul> </li> <li>v. Affordable housing- For document link refer Section 3 (1b)</li> <li>vi. Energy Security <ul style="list-style-type: none"> <li>f. For document link refer Section 3 (1d) for Solar City Master Plan</li> <li>g. Same as above</li> <li>h. For document link refer Section 3 (2n) for the details on IPDS</li> </ul> </li> <li>vii. Energy Security- Refer <a href="http://ncrb.gov.in/CD-CII2013/Statistics-2013.pdf">http://ncrb.gov.in/CD-CII2013/Statistics-2013.pdf</a> for the crime statistics</li> <li>viii. IT connectivity, digitization and smart applications- <a href="http://icrier.org/pdf/Tamilnadu_Coimbatore_6nov12.pdf">http://icrier.org/pdf/Tamilnadu_Coimbatore_6nov12.pdf</a></li> </ul> |
| 21     | <p>Step I- Refer <a href="http://icrier.org/pdf/Tamilnadu_Coimbatore_6nov12.pdf">http://icrier.org/pdf/Tamilnadu_Coimbatore_6nov12.pdf</a> for the presentation of the E-governance system existing in CCMC</p> <p>Step II- For document link refer Section 3 (2k) and Section D for the findings of Citizen engagement, Section 3(2b),(2c), (2i) and (2h) for the links on social media, agenda of technology workshop conducted by GoTN, questionnaire on pan-city and round II presentations.</p>   |
| 22     | <ul style="list-style-type: none"> <li>i. <b>Safety and Security</b>-Source: Crime and CCTV database. Coimbatore City Police. Additional media reporting under <a href="http://timesofindia.indiatimes.com/city/coimbatore/Crime-rate-down-this-year-Top-cop/articleshow/45684930.cms">http://timesofindia.indiatimes.com/city/coimbatore/Crime-rate-down-this-year-Top-cop/articleshow/45684930.cms</a> and <a href="http://timesofindia.indiatimes.com/city/coimbatore/Crime-rate-down-this-year-Top-cop/articleshow/45684930.cms">http://timesofindia.indiatimes.com/city/coimbatore/Crime-rate-down-this-year-Top-cop/articleshow/45684930.cms</a></li> <li>ii. <b>Energy Efficiency</b>-For document link refer Section 3 (1d) for Solar City Master Plan</li> <li>iii. <b>Citizen Opinion and Aspirations</b>- Refer Section 3(2k) and Section 4 for results of Citizen Pulse survey and Priority Options identified for Pan City Proposal and <a href="https://mygov.in/group-poll/select-any-one-pan-city-solutions-coimbatore/">https://mygov.in/group-poll/select-any-one-pan-city-solutions-coimbatore/</a> for the poll for Pan-city solution in Mygov.</li> </ul>   |
| 23     | For document link refer Section 3 (2k) for the Citizen engagement which also took ideas from physically challenged citizens  |
| 31     | Refer Section 3(2o) for the details of the Area under ABD  |
| 37     | Refer Section 3(2p) for the charts on financial plan and the spreadsheet on the finances   |
| 38     |  |
| 39     |  |
| 40     | Refer Section 10 and Section 3 (2p) on finances  |
| 41     | <p>Component wise plan for covering O&amp;M costs</p> <ul style="list-style-type: none"> <li>ii. DPR of lakes</li> <li>iii. Water supply benchmarks in AMRUT SLIPS</li> <li>v. <a href="https://www.ccmc.gov.in/ccmc/images/stories/FlashNews/swm_by_law_english.pdf">https://www.ccmc.gov.in/ccmc/images/stories/FlashNews/swm_by_law_english.pdf</a> for Solid Waste Management Bye-law</li> </ul>   |
| 42     | Refer Section 10 for the financials of Coimbatore  |



### **3. Documents/Information uploaded on CCMC website**

<https://payment.ccmc.gov.in/smartcity.asp>

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

- a. Coimbatore City Mobility Plan
- b. Slum- free city action plan
- c. City development Plan of Coimbatore
- d. Solar City Plan

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

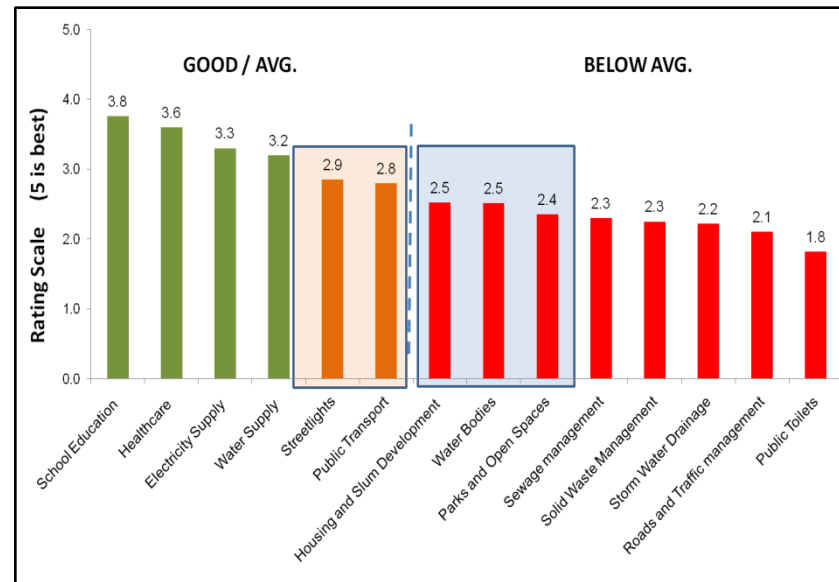
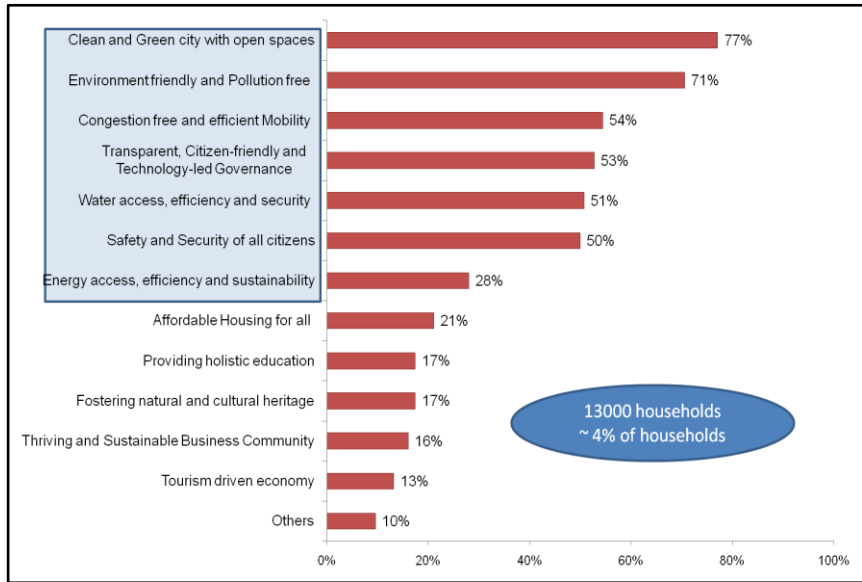
- a. “Shape Your City” workshop - Report for formulating City Vision
- b. Social Media Links and Screen shots: Facebook (Smart City Coimbatore and Shape Your City) and MyGov page
- c. Technology Options workshop. 8th October. List of speakers and agenda
- d. Presentation used for steering Round I Consultations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

#### **3. Other Information uploaded on website**

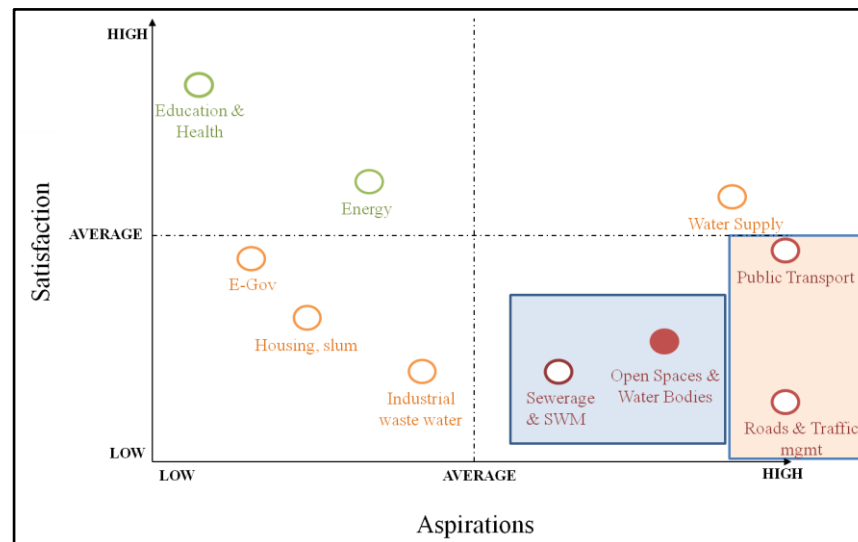
- a. TamilNadu Municipal Laws ordinance, 2003, dated July 19, 2003 on making Rainwater harvesting
- b. Case study on successful implementation of integrated processing-landfill facility on PPP

## 4. PRIORITIES EMERGING FROM CONSULTATIONS

### Top Vision Themes Perception on prevailing serviced delivery

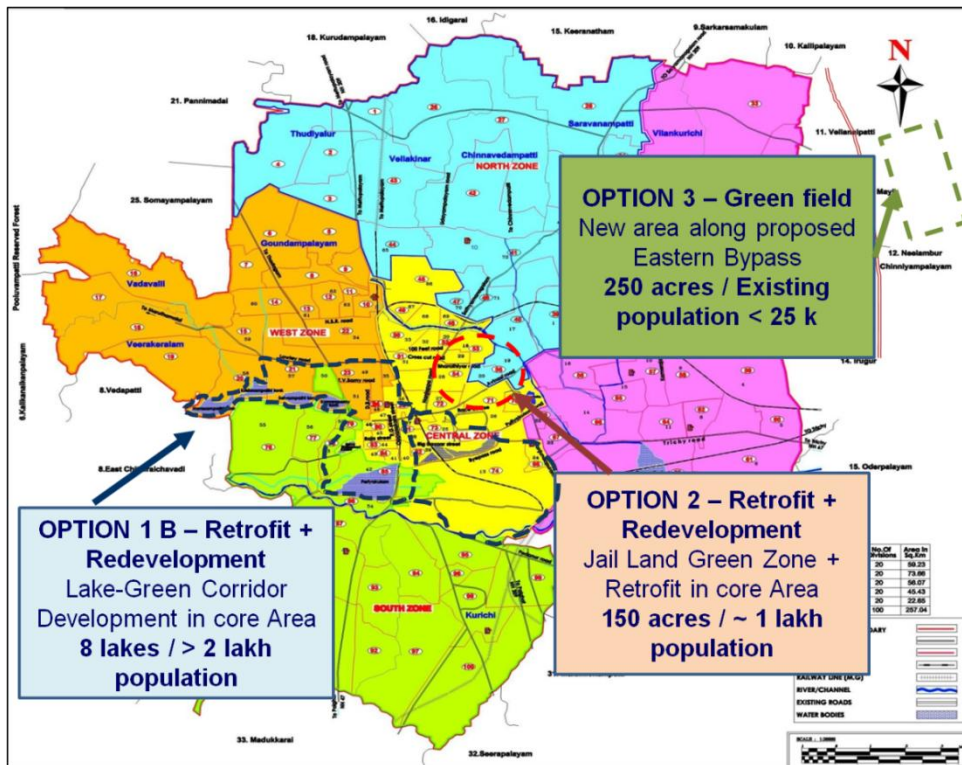


### Aspirations Vs. Satisfaction Matrix





## Area Based Development: Options and evaluation



| Option               | Challenges | Impact                  | Remarks   |
|----------------------|------------|-------------------------|---|
| 1 – Lake Development | Low        | High                    | <ul style="list-style-type: none"> <li>15% of city's population</li> <li>DPR for lake restoration is ready</li> <li>Successful relocation of objectionable slums along Valankulam lake</li> <li>Huge economic, social and environment impact</li> </ul> |
| 2 – Jail land        | Medium     | Medium                  | <ul style="list-style-type: none"> <li>Only 45 acres with the Corporation</li> <li>Movement of jail is a challenge</li> <li>Other projects proposed in the area</li> </ul>  |
| 3 – Green            | High       | High (but in long term) | <ul style="list-style-type: none"> <li>Land acquisition</li> <li>Immediate impact not seen</li> </ul>   |

## 5. Smart Solutions embedded in SCP and CCMC's initiatives

| Sl. No | Smart Solutions   | Funding            | Status   |
|--------|---|--------------------|--|
| 1      | E-governance application                                |                    | Comprehensive E-governance application in place. Features transactions (online payment of taxes, user charges), information dissemination (Active award winning website), automatic building approvals |
| 2      | Web-enabled E-Governance Application                    | State              | State wide E-governance platform is under development under the Department of Municipal Administration; to be rolled out in all ULBs in TN including CCMC.   |
| 3      | Mobile Governance and Citizen Engagement platform       | State              | Proposed by CCMC; will build on the roll-out of web-enabled e-gov application  |
| 4      | GIS Mapping and Spatial Information Centre              | Smart City Mission | Proposed for implementation city-wide under World Bank assisted TNSUDP; will be piloted in the Area-based proposal area  |
| 5      | Water Supply - SCADA, Metering, Advanced Leak Detection | JNNURM/PPP         | Part of the 24x7 water project for which the city has initiated bidding process to select a capable private partner to implement on PPP mode   |
| 6      | Online Water Quality monitoring - STPs                  | State/City         | Under State/City initiative  |
| 7      | Online Water Quality monitoring - Lakes                 | Smart City Mission | As part of Area Development Plan for all the 8 lakes in the city   |
| 8      | Waste Processing Facility - Decentralised               | City/PPP           | As part of Project Shunya - City wide already initiated  |
| 9      | Intelligent Transport System (ITS)                      | State/City         | Driven through TNSTC as identified in CMP; Traffic management surveillance to be integrated with CCTV surveillance as part of pan-city solution  |
| 10     | Waste Water Recycling                                   | PPP                | 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 – Bio-methanation                                   |                    | Already in place; expansion underway   |
| 13     | SWM – Waste-to-energy                                   |                    | Feasibility completed; evaluation of technology options underway considering implementation on PPP   |
| 14     | Integrated CCTV surveillance                            | Smart City Mission | As part of Pan City Initiative under Smart cities Mission  |
| 15     | Online Ambient Air Quality Monitoring                   | Smart City Mission | As part of Pan City Initiative under Smart cities Mission  |
| 16     | Energy efficient street lighting                        | SCM, GOTN and PPP  | To be taken up as an allied Pan-city solution under SCM  |

## 6. SCP Implementation: Gantt chart showing Activities, Sequencing, Timelines

| Sl. No   | Efforts and Milestones  | Timeline |    |       |    |       |    |       |    |       |    |
|----------|---|----------|----|-------|----|-------|----|-------|----|-------|----|
|          |   | FY 17    |    | FY 18 |    | FY 19 |    | FY 20 |    | FY 21 |    |
|          |   | H1       | H2 | H1    | H2 | H1    | H2 | H1    | H2 | H1    | H2 |
| <b>1</b> | <b>ADMINISTRATIVE, INSTITUTIONAL ACTIONS, MONITORING &amp; REVIEWS</b>                              |          |    |       |    |       |    |       |    |       |    |
| <b>a</b> | <b>Operationalization of SPV</b>  |          |    |       |    |       |    |       |    |       |    |
| i        | Incorporation and Registration of SPV   |          |    |       |    |       |    |       |    |       |    |
| ii       | Infusion of Equity Capital / First installment of Grants  |          |    |       |    |       |    |       |    |       |    |
| iii      | Induction of CEO, Key staff and Expert team / PMU support   |          |    |       |    |       |    |       |    |       |    |
| <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;<br>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       | Lake Development Master plan and DPR  |          |    |       |    |       |    |       |    |       |    |
| iii      | NMT and Model Roads Master Plan and DPR   |          |    |       |    |       |    |       |    |       |    |
| iv       | Household survey of GIS mapping - Properties, utilities, assets                                     |          |    |       |    |       |    |       |    |       |    |
| v        | DPR/Transaction advisory for Tertiary Treatment   |          |    |       |    |       |    |       |    |       |    |
| vi       | Slum rehabilitation plan and Biometric mapping of slum households                                   |          |    |       |    |       |    |       |    |       |    |
| vii      | DPR for tenements construction  |          |    |       |    |       |    |       |    |       |    |
| <b>b</b> | <b>Pan-city Proposal</b>  |          |    |       |    |       |    |       |    |       |    |
| i        | Surveillance Program: Technology review, Scoping and DPR  |          |    |       |    |       |    |       |    |       |    |
| ii       | Energy efficient Street lighting: Inventorisation, Audit and DPR                                    |          |    |       |    |       |    |       |    |       |    |
| <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 CCMC   |          |    |       |    |       |    |       |    |       |    |
| iii      | O&M sustainability plan and manual for CCMC's essential services                                    |          |    |       |    |       |    |       |    |       |    |
| iv       | Financial Improvement Plan  |          |    |       |    |       |    |       |    |       |    |
| <b>3</b> | <b>BID DOCUMENTATION, PROCUREMENT AND CONTRACTING</b>   |          |    |       |    |       |    |       |    |       |    |
| <b>a</b> | <b>Lake development and rejuvenation</b>  |          |    |       |    |       |    |       |    |       |    |
| i        | Lake development and rejuvenation   |          |    |       |    |       |    |       |    |       |    |
| <b>b</b> | <b>Lake-side facilities</b>   |          |    |       |    |       |    |       |    |       |    |
| i        | Lake-side facilities  |          |    |       |    |       |    |       |    |       |    |

| Sl. No   | Efforts and Milestones  | Timeline |    |       |    |       |    |       |    |       |    |
|----------|---|----------|----|-------|----|-------|----|-------|----|-------|----|
|          |   | FY 17    |    | FY 18 |    | FY 19 |    | FY 20 |    | FY 21 |    |
|          |   | H1       | H2 | H1    | H2 | H1    | H2 | H1    | H2 | H1    | H2 |
| c        | NMT, Road ducting, drains and surfacing   |          |    |       |    |       |    |       |    |       |    |
| d        | Additional scope - Water Supply (if any)  |          |    |       |    |       |    |       |    |       |    |
| e        | Additional scope - Sewerage (if any)  |          |    |       |    |       |    |       |    |       |    |
| f        | Hospital and healthcare centres modernisation   |          |    |       |    |       |    |       |    |       |    |
| g        | School Infrastructure upgradation   |          |    |       |    |       |    |       |    |       |    |
| h        | CCTV Surveillance   |          |    |       |    |       |    |       |    |       |    |
| i        | Energy efficient street lighting  |          |    |       |    |       |    |       |    |       |    |
| <b>4</b> | <b>PROGRAM IMPLEMENTATION</b>   |          |    |       |    |       |    |       |    |       |    |
| a        | Solid Waste Management - To achieve 100% compliance to SWM Rules                            |          |    |       |    |       |    |       |    |       |    |
| b        | Sewerage Network - Connecting properties to network   |          |    |       |    |       |    |       |    |       |    |
| c        | Septage connections - To connect the unconnected  |          |    |       |    |       |    |       |    |       |    |
| d        | Lake Development - Complete Restoration, Interlinking, arresting sewage flows               |          |    |       |    |       |    |       |    |       |    |
| e        | Lake Development - Landscaping and development of allied facilities                         |          |    |       |    |       |    |       |    |       |    |
| f        | Slum Rehabilitation and Re-location   |          |    |       |    |       |    |       |    |       |    |
| g        | Water Supply - DMA design, distribution strengthening, metered connections                  |          |    |       |    |       |    |       |    |       |    |
| h        | NMT Network and Bike sharing  |          |    |       |    |       |    |       |    |       |    |
| i        | Road re-development with ducting, drains and integration with NMT                           |          |    |       |    |       |    |       |    |       |    |
| j        | Modernisation of Hospital, Health centres and Public schools                                |          |    |       |    |       |    |       |    |       |    |
| <b>5</b> | <b>REFORMS, SUSTAINABLE O&amp;M AND FINANCES</b>  |          |    |       |    |       |    |       |    |       |    |
| a        | Rollout of Web-enabled E-governance solution  |          |    |       |    |       |    |       |    |       |    |
| b        | Roll-out of O&M Sustainability Plan   |          |    |       |    |       |    |       |    |       |    |
| c        | Roll-out of Financial Mobilisation and Improvement plan                                     |          |    |       |    |       |    |       |    |       |    |
| d        | Support DTCP with inputs in revision and preparation of a state-of-art Master Plan          |          |    |       |    |       |    |       |    |       |    |
| e        | Initiate rolling multi-year investment program and budget formulation process by March 2018 |          |    |       |    |       |    |       |    |       |    |

## **7. List of private service providers met / interacted with**

1. Airtel
2. Black and Weatch India
3. CISCO Systems, Inc.
4. ESRI
5. Hyflux India
6. IBM India Pvt. Ltd.
7. Infosys
8. Intergraph
9. L&T ECC Limited
10. MindTek
11. Oracle
12. RAMCO
13. Robert Bosch Engineering & Business Solutions
14. Suez International
15. Tata Consultancy Service Limited
16. Tech Mahindra
17. Wipro

## **8. Select Citizen Forums/ Associations that supported the SCP process**

1. IC Centre for Governance
2. Residents Awareness Association of Coimbatore
3. Institute for transportation & Development Policy
4. Siruthuli
5. Rotary Club of Coimbatore
6. SriDevi Nagar Ladies Association
7. Thiyagi G.P. Velan Trust
8. CODISSIA
9. Confederation of Indian Industry
10. Indian Chamber of Commerce
11. Buildings' Association of India
12. CREDAI
13. GKS Nagar Welfare association
14. VOC Nagar Residential welfare association
15. Sabari Garden Shreyas Lay out Resident's Welfare association
16. OM Sakthi Nagar Residential Welfare association
17. Marvel Parampariyam Residents welfare Association
18. SriDevi Nagar Residents welfare Association
19. INTACH Coimbatore chapter
20. The Institution of Engineers Coimbatore chapter

## 9. Coimbatore'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>        | 2                   | 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  | Air quality                      | 3                   | 4                          |
| 12  | <b>Sanitation</b>                | 3                   | 4                          |
| 13  | Waste management                 | 2                   | 4                          |
| 14  | Underground Electric wiring      | 2                   | 3                          |
| 15  | Energy supply                    | 3                   | 4                          |
| 16  | Energy source                    | 3                   | 4                          |
| 17  | Energy efficiency                | 3                   | 4                          |
| <b>Housing, Inclusiveness and Social Infrastructure</b>           |                                  |                     |                            |
| 18  | <b>Safety and security</b>       | 2                   | 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  | IT Connectivity                  | 3                   | 4                          |
| 24  | Intelligent Government services  | 3                   | 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.



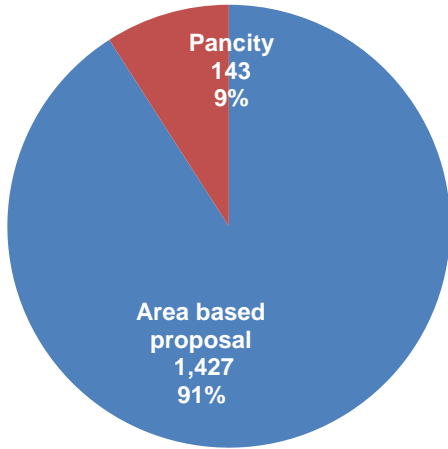
## 10. Financial Plan – Summary, Assumptions and Charts

### Project Cost and Financial Plan

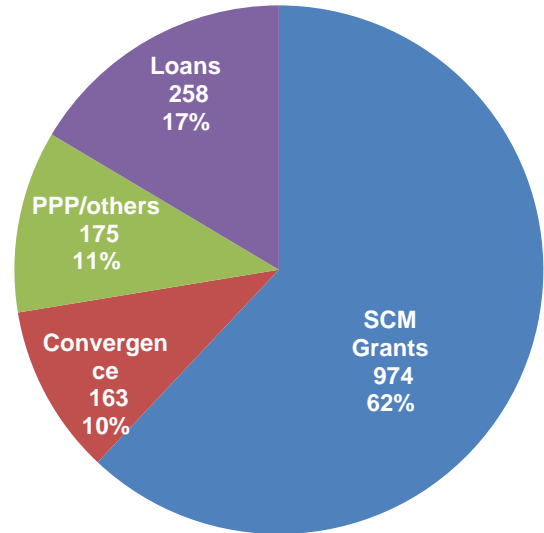
|    | Component  | Capital Cost | O&M Cost    | Financing Plan |              |                |              |
|----|--|--------------|-------------|----------------|--------------|----------------|--------------|
|    |  |              |             | Smart Cities   | Other Grants | PPP / CSR / HH | Loans / ULBs |
|    | <b>AREA DEVELOPMENT PLAN</b>   |              |             |                |              |                |              |
| 1  | <b>Lake Restoration</b> - Desilting, Deweeding, Bund strengthening, Drains, Treatment and allied facilities  | 189          | 2.7         | 189            | -            | -              | -            |
| 2  | <b>Lakefront Development</b> - Landscaped Cycling / walking tracks, Watch Towers/Viewing Galleries, Solar/LED Lighting, Boating/Water sports, Themed Nature parks, Medicinal gardens                     | 66           | 1.3         | 46             | -            | 20             | -            |
| 3  | <b>Arterial Roads</b> - Footpath/Cycle Tracks, Bike sharing, Landscaping, Drains/ducting, NMT bridges, Parking, Road surfacing, Signages, Bus shelters, 80 ft Road formation connecting Singanallur lake | 271          | 8.1         | 179            | 19           | 73             | -            |
| 4  | <b>Other Roads</b> - Footpaths, Landscaping, Drains/ducting, Parking, Road surfacing and Signages  | 352          | 10.6        | 282            | -            | -              | 70           |
| 5  | <b>24x7 Water Supply (under implementation) + Rainwater Harvesting</b>   | 11           | 3.5         | -              | -            | 11             | -            |
| 6  | <b>Sewerage (under implementation) + Septage management</b>  | 15           | 4.5         | -              | -            | 15             | -            |
| 7  | <b>Solid Waste Management</b>  | 23           | 1.6         | 9              | 8            | 6              | -            |
| 8  | <b>Access to Toilets</b>   | 4            | 0.5         | -              | 2            | -              | 2            |
| 9  | <b>Housing for All and Social Infrastructure</b>   | 233          | 4.7         | 55             | 95           | 28             | 55           |
| 10 | <b>Energy</b>  | 78           | 1.6         | 16             | 40           | 23             | -            |
|    | Project Development (5%), Contingences & Escalation (10%)  | 186          | -           | 93             | -            | -              | 93           |
|    | <b>Sub-Total</b>   | <b>1,427</b> | <b>39.0</b> | <b>869</b>     | <b>163</b>   | <b>175</b>     | <b>220</b>   |
|    | <b>PAN-CITY INITIATIVE</b>   |              |             |                |              |                |              |
| 1  | Energy Efficient Streetlights  | 59           | 2           |                |              |                |              |
| 2  | CCTV surveillance + allied facilities  | 84.00        | 3           |                |              |                |              |
|    | <b>Sub-Total</b>   | <b>143</b>   | <b>5.7</b>  | <b>104</b>     | <b>-</b>     | <b>-</b>       | <b>38</b>    |
|    | <b>TOTAL</b>   | <b>1,570</b> | <b>45</b>   | <b>974</b>     | <b>163</b>   | <b>175</b>     | <b>258</b>   |

## Charts complimenting the Section on Financial Plan

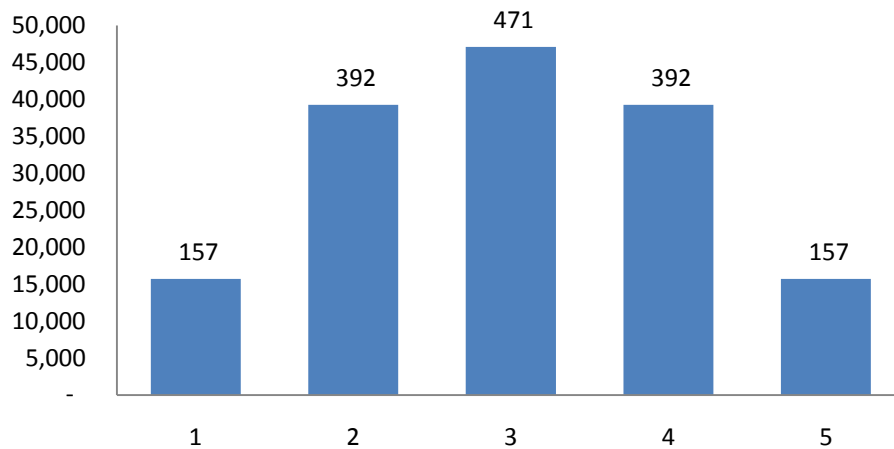
**Project Cost split - Area based and Pancy - Rs. Crore / Percentage**



**Sources of Financing (Rs. crore)**



**Capital Expenditure (Rs. crore)**



**Assumptions Underlying Project Cost component wise (for ABP and Pan City Solution)**

|           | AREA DEVELOPMENT PROPOSAL - Components   | Unit        | Basis / Assumptions        | Quantity        | Unit Cost (Rs.)             | Costs (Rs. Crore)        | Status                    |
|-----------|--|-------------|----------------------------|-----------------|-----------------------------|--------------------------|---------------------------|
| <b>1</b>  | <b>LAKE DEVELOPMENT COSTS</b>  |             |                            |                 |                             |                          |                           |
|           | Desilting, Bund strengthening, Dewatering, Turfing and Lining                                      |             | DPR estimates              |                 |                             | 15.82                    |                           |
|           | Waste-water treatment  |             | DPR estimates              |                 |                             | 18.29                    |                           |
|           | Drains development, inter-linkages   |             | DPR estimates              |                 |                             | 120.34                   |                           |
|           | Retaining wall/fencing, Toilets and Maintenance room and others                                    |             | DPR estimates              |                 |                             | 34.96                    |                           |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>189.41</b>            |                           |
| <b>2</b>  | <b>LAKE-SIDE FACILITIES AND RECREATION</b>   |             |                            |                 |                             |                          | Identified in CDP         |
| a         | Lake side forestry, and Landscaping  | Lakh sq.ft  | L x 5 m x 10.76            | 10              | 150                         | 14.96                    | Proposed                  |
| b1        | Watch Towers   | Nos.        | 2 per lake                 | 8               | 200,000                     | 0.16                     | Proposed                  |
| b2        | Viewing Galleries  | Nos.        | 4 per lake                 | 16              | 400,000                     | 0.64                     | Proposed                  |
| c1        | Park Pathways with cycling/walking tracks  | km          | Entire length              | 19              | 10,000,000                  | 18.54                    | Proposed                  |
| c2        | Solar paneled roofs, LED Lighting and Light posts  | Nos.        | Every 20 m                 | 930             | 20,000                      | 1.86                     | Proposed                  |
| d         | Boating and water sports facilities  | Nos.        | 2 lakes                    | 2               | 50,000,000                  | 10.00                    | Proposed                  |
| f         | Other amusement and recreational facilities  | Nos.        | 4 lakes                    | 2               | 50,000,000                  | 10.00                    | Proposed                  |
| g         | Themed Nature parks, medicinal gardens   | Nos.        | 4 lakes                    | 2               | 50,000,000                  | 10.00                    | Proposed                  |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>66.16</b>             |                           |
| <b>3</b>  | <b>24x7 water supply and Rainwater harvesting</b>  |             |                            |                 |                             |                          |                           |
|           | Water Supply - JNNURM  | DPR         |                            |                 |                             |                          | Under bidding             |
|           | RWH  | Nos.        | 40%                        | 4233.6          | 25000                       | 10.58                    | Ongoing                   |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>10.58</b>             |                           |
| <b>4</b>  | <b>Sewerage and Septage</b>  |             |                            |                 |                             |                          |                           |
|           | Sewerage   |             |                            |                 |                             |                          | Under implementation      |
|           | Septage  | Nos.        | 10%                        | 5074            | 30000                       | 15.22                    | Proposed                  |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>15.22</b>             |                           |
| <b>5</b>  | <b>Solid Waste Management</b>  |             |                            |                 |                             |                          |                           |
|           | Per capita cost  | Rs.         |                            |                 | 1300                        | 22.75                    | Replication of Ward 21    |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>22.75</b>             |                           |
| <b>6</b>  | <b>Access to Toilets</b>   |             |                            |                 |                             |                          |                           |
|           | No. of Toilets   | Nos.        | SBM Project                | 1000            | 25,000                      | 2.50                     | Under implementation      |
|           | Public Conveniences  | Nos.        | 1 per km                   | 35              | 300,000                     | 1.05                     | Proposed                  |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>3.55</b>              |                           |
| <b>7</b>  | <b>Integrated Road re-design - Arterial - 27 km</b>  |             |                            |                 |                             |                          | DPR under preparation     |
|           | <b>Total Road Length</b>   | <b>km</b>   |                            | <b>30.00</b>    |                             |                          |                           |
| a         | Foot path and Cycle Tracks   | km          | 100%                       | 30.00           | 17,500,000                  | 52.50                    | Proposed                  |
| b         | Urban forestry and Landscaping   | km          | 100%                       | 30.00           | 5,000,000                   | 15.00                    | Proposed                  |
| c         | Storm Water Drain  | km          | 50%                        | 15.00           | 10,000,000                  | 15.00                    | Proposed                  |
| d         | Aesthetically themed Green designed bridges  | Nos.        | Junctions                  | 8               | 10,000,000                  | 8.00                     | Proposed                  |
| e         | Ducting for Cables, pipelines  | km          | 200%                       | 60.00           | 10,000,000                  | 60.00                    | Proposed                  |
| f         | MLCPs  | nos.        | from CMP                   | 4               | 50,000,000                  | 20.00                    | Proposed                  |
| g         | Road surfacing and signages  | km          | 100%                       | 30.00           | 12,500,000                  | 37.50                    | Proposed                  |
| h         | Bus shelters   | Nos.        | 300                        | 100.00          | 1,000,000                   | 10.00                    | Proposed                  |
| i         | New 80 ft Road formation connecting Singanallur lake   | km          | CMP                        | 3               | 10,000,000                  | 3.00                     | Proposed                  |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>221.00</b>            |                           |
| <b>8</b>  | <b>Integrated Road re-design - Other Roads - 183 km</b>  |             |                            |                 |                             |                          |                           |
|           | <b>Total Road Length</b>   | <b>km</b>   |                            | <b>183.00</b>   |                             |                          |                           |
| a         | Foot path + Storm Drain  | km          | 60%                        | 109.80          | 10,000,000                  | 109.80                   | Proposed                  |
| b         | Urban forestry and Landscaping   | km          | 60%                        | 65.88           | 500,000                     | 3.29                     | Proposed                  |
| c         | Ducting for Cables, pipelines  | km          | 30%                        | 54.90           | 10,000,000                  | 54.90                    | Proposed                  |
| d         | Street-side parking  | km          | 10%                        | 18.30           | 500,000                     | 0.92                     | Proposed                  |
| e         | Road surfacing and signages  | km          | 100%                       | 183.00          | 10,000,000                  | 183.00                   | Proposed                  |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>351.91</b>            |                           |
| <b>9</b>  | <b>Bike sharing</b>  |             |                            |                 |                             |                          | Identified in CMP         |
|           | Cycle sharing system   | nos         |                            | 50              | 100000                      | 50.00                    | Identified in CMP         |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>50.00</b>             |                           |
| <b>10</b> | <b>Housing for all and Social Infrastructure</b>   |             |                            |                 |                             |                          |                           |
|           | Housing for all and Social Infrastructure  | HHs         | TNSCB                      | 5500            | 350000                      | 192.50                   | Under implementation      |
|           | Education  | CDP         |                            |                 |                             | 20.00                    | Identified in CDP         |
|           | Health care centres and Hospital modernisation   | CDP         |                            |                 |                             | 20.00                    | Identified in CDP         |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>232.50</b>            |                           |
| <b>11</b> | <b>Energy Security and Sourcing</b>  |             |                            |                 |                             |                          | Under implementation      |
|           | Rooftop Solar  | KW          | SCMP                       | 4566.24         | 100000                      | 45.66                    | Approved SMP              |
|           | Power Distribution - Substations and allied  | nos.        | TANGEDCO                   | 2               | 50000000                    | 10.00                    | Proposed                  |
|           | Power Distribution - Cabling   | km          | 70%                        | 149.10          | 1500000                     | 22.37                    | Proposed                  |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>78.03</b>             |                           |
| <b>12</b> | <b>Others (As % of Capex)</b>  |             |                            |                 |                             |                          |                           |
|           | SPV Staffing/PMU, Project Preparation, Advisory 5% of project cost                                 | %           | 5%                         |                 |                             | 62.06                    |                           |
|           | Contingency and Escalation - 10% of project cost   | %           | 10%                        |                 |                             | 124.11                   |                           |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>186.17</b>            |                           |
|           | <b>TOTAL PROJECT COST</b>  |             |                            |                 |                             | <b>1,427</b>             |                           |
|           | Capex other than 12  |             |                            |                 |                             | <b>1,241</b>             |                           |
|           | <b>Pan City Proposal components</b>  | <b>Unit</b> | <b>Basis / Assumptions</b> | <b>Quantity</b> | <b>Unit Cost (Rs. lakh)</b> | <b>Costs (Rs. Crore)</b> | <b>Status</b>             |
| <b>1</b>  | <b>ENERGY EFFICIENT STREETLIGHTS</b>   |             |                            |                 |                             |                          |                           |
| a         | Conversion of SVL to LED/CFL   | Nos.        | Non-LED/CFL                | 30506           | 0.1                         | 31                       | DPR for added areas ready |
| b         | New LED streelights  | Nos.        | 1 per 30m                  | 14004           | 0.2                         | 28                       | Initiated                 |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>59</b>                |                           |
| <b>2</b>  | <b>CCTV SURVEILLANCE</b>   |             |                            |                 |                             |                          |                           |
| a         | CCTV cameras, poles, server, junction switch & Field component at all junctions/critical locations | Nos.        |                            | 200             | 40                          | 80.00                    | Proposed                  |
| b         | Control Room   | Nos.        | 1                          | 1               | 200                         | 2.00                     | Proposed                  |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>82.00</b>             |                           |
| <b>3</b>  | <b>AIR QUALITY MONITORING</b>  |             |                            |                 |                             |                          |                           |
| a         | Equipments- sensors  | Nos.        | Major junctions            | 10              | 20                          | 2.00                     | Proposed                  |
|           | <b>Sub-Total</b>   |             |                            |                 |                             | <b>2.00</b>              |                           |
|           | <b>Total</b>   |             |                            |                 |                             | <b>143</b>               |                           |

**Assumptions Underlying Financial Statement (2017-21) (for ABP and Pan City Solution)**

| REVENUE ACCOUNT  | UNIT            | 2015         | 2016         | 2017         | 2018         | 2019         | 2020         | 2021         |
|--|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>REVENUE ACCOUNT - RECEIPTS - FOR AREA</b>           |                 |              |              |              |              |              |              |              |
| <b>Property Taxes</b>                                  |                 |              |              |              |              |              |              |              |
| Property Tax assessments in Area                       | Nos.            | 50,736       | 51,243       | 51,755       | 52,273       | 52,796       | 53,324       | 53,857       |
| YoY Increase - Assessments                             | %               |              | 1%           | 1%           | 1%           | 1%           | 1%           | 1%           |
| Increase in Rate                                       | %               |              | 30%          |              |              |              |              | 20%          |
| Tax per assessment per year                            |                 | 4,990        | 6,487        | 6,487        | 6,487        | 6,487        | 6,487        | 7,784        |
| Property Tax - Current demand (2014-15) in Area        | Rs. Lakh        | 2,532        |              |              |              |              |              |              |
| <b>Property Tax - projections</b>                      | <b>Rs. Lakh</b> |              | <b>3,324</b> | <b>3,357</b> | <b>3,391</b> | <b>3,425</b> | <b>3,459</b> | <b>4,192</b> |
| <b>Water and Sewerage connections</b>                  |                 |              |              |              |              |              |              |              |
| Water connections                                      |                 | 27,180       |              |              |              |              |              |              |
| Sewerage Connections                                   |                 | 38,121       |              |              |              |              |              |              |
| Water Connections / Properties                         |                 | 54%          | 54%          | 56%          | 65%          | 70%          | 80%          | 80%          |
| Sewerage connections / Properties                      |                 | 75%          | 75%          | 75%          | 75%          | 75%          | 80%          | 80%          |
| Projected water connections                            |                 |              | 27,671       | 28,983       | 33,977       | 36,957       | 42,659       | 43,086       |
| Projected sewerage Connections                         |                 |              | 38,432       | 38,816       | 39,205       | 39,597       | 42,659       | 43,086       |
| <b>Water and Sewerage User Charges</b>                 |                 |              |              |              |              |              |              |              |
| Water user charges demand (2014-15)                    |                 | 589          |              |              |              |              |              |              |
| Annual user fee increase                               |                 | 5%           |              |              |              |              |              |              |
| Average Realisation - existing and projected           |                 | 2,167        |              | 2,275        | 2,389        | 2,508        | 2,633        | 2,765        |
| <b>Water user charges - projections</b>                |                 |              | <b>618</b>   | <b>659</b>   | <b>812</b>   | <b>927</b>   | <b>1,123</b> | <b>1,191</b> |
| Sewerage user charges demand (% of water charges)      |                 |              |              | 50%          | 65%          | 80%          | 90%          | 100%         |
| <b>Sewerage user charges - projections</b>             |                 |              |              | <b>330</b>   | <b>528</b>   | <b>742</b>   | <b>1,011</b> | <b>1,191</b> |
| <b>Professional Taxes</b>                              |                 |              |              |              |              |              |              |              |
| Current demand in Area - 2014-15 and projections       | 1,240.45        |              |              |              |              |              |              |              |
| Growth   | 10%             |              |              |              |              |              |              |              |
| <b>Professional tax projections</b>                    |                 | <b>1,364</b> | <b>1,501</b> | <b>1,651</b> | <b>1,816</b> | <b>1,998</b> | <b>2,198</b> | <b>2,417</b> |
| <b>Other Own Income &amp; Dev Income - Apportioned</b> |                 |              |              |              |              |              |              |              |
| Other own income - All City                            | 7,166           |              |              |              |              |              |              |              |
| Devolution Income - All City                           | 7,702           |              |              |              |              |              |              |              |
| Total  | 14,868          |              |              |              |              |              |              |              |
| Apportionable to Area                                  | 13%             |              |              |              |              |              |              |              |
| Growth in other own income and devolution income       | 5%              |              |              |              |              |              |              |              |
| <b>Projections - other own income and devolution</b>   |                 | <b>1,973</b> | <b>2,072</b> | <b>2,175</b> | <b>2,284</b> | <b>2,398</b> | <b>2,518</b> | <b>2,644</b> |
| <b>New Revenue Streams in Project Area</b>             |                 |              |              |              |              |              |              |              |
| % of Revenue targeted                                  |                 |              |              | 0%           | 0%           | 3%           | 5%           | 5%           |
| <b>Revenue Expenditure Apportioned</b>                 | 35,782          |              |              |              |              |              |              |              |
| <b>Apportioned revenue expenditure projections</b>     | <b>2%</b>       | <b>4,748</b> | <b>4,843</b> | <b>4,940</b> | <b>5,039</b> | <b>5,140</b> | <b>5,242</b> | <b>5,347</b> |
| Incremental O&M % of Capex added                       | 2.5%            |              |              |              |              |              |              |              |
| <b>Incremental O&amp;M Cost</b>                        |                 |              |              | <b>392</b>   | <b>1,374</b> | <b>2,551</b> | <b>3,532</b> | <b>3,924</b> |
| <b>CAPITAL ACCOUNT</b>                                 |                 |              |              |              |              |              |              |              |
| <b>Financing Plan</b>                                  |                 |              |              |              |              |              |              |              |
| SCM Grants   | 97,356          |              |              |              |              |              |              |              |
| Convergence  | 16,313          |              |              |              |              |              |              |              |
| PPP/others   | 17,482          |              |              |              |              |              |              |              |
| Loans  | 25,827          |              |              |              |              |              |              |              |
| <b>Project spending</b>                                | <b>156,979</b>  |              |              |              |              |              |              |              |
| <b>Capex schedule</b>                                  |                 |              |              | <b>10%</b>   | <b>25%</b>   | <b>30%</b>   | <b>25%</b>   | <b>10.0%</b> |
| <b>Debt</b>  |                 |              |              |              |              |              |              |              |
| Term   | 15              |              |              |              |              |              |              |              |
| Moratorium   | 3               |              |              |              |              |              |              |              |
| Principal servicing years                              | 12              |              |              |              |              |              |              |              |
| Interest p.a   | 9%              |              |              |              |              |              |              |              |
|  |                 | <b>2015</b>  | <b>2016</b>  | <b>2017</b>  | <b>2018</b>  | <b>2019</b>  | <b>2020</b>  | <b>2021</b>  |
| <b>Debt Schedule</b>                                   |                 |              |              |              |              |              |              |              |
| Opening  |                 |              |              | -            | -            | 10,000       | 20,000       | 20,000       |
| Borrowed   |                 |              |              | -            | 10,000       | 10,000       | -            | -            |
| Repaid   |                 |              |              | -            | -            | -            | -            | 833          |
| Closing  |                 |              |              | -            | 10,000       | 20,000       | 20,000       | 19,167       |
| <b>Interest payable</b>                                |                 |              |              | <b>-</b>     | <b>450</b>   | <b>1,350</b> | <b>1,800</b> | <b>1,763</b> |

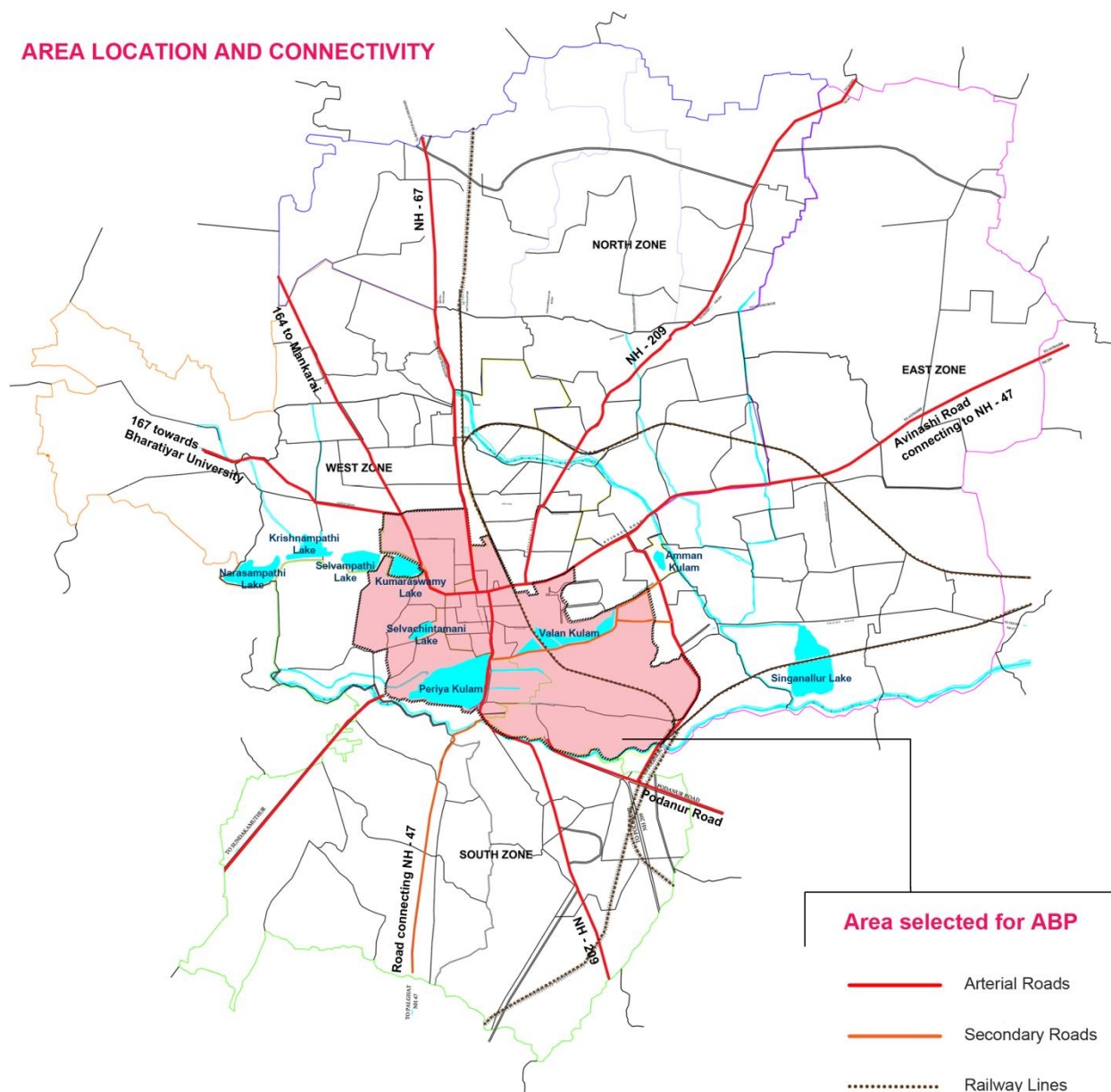
## 11. Organogram showing the relationship (Q. 36)

| SI | 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 achieved clarity on contextual priorities and aspirations; build consensual buy-in for Smart city proposals and components</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>Fully committed to consultative processes; generate good-will and public support</li> </ul>  | <ul style="list-style-type: none"> <li>Leverage the capacity augmentation through a professionally equipped SPV for implementation excellence to drive contextual relevance 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> </ul>  | <ul style="list-style-type: none"> <li>Will through 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, CCP&amp;CTP, 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                   | <ul style="list-style-type: none"> <li>Several city level citizen forums including Indian Centre for Governance, Siruthuli, Rotary Club and Industry chambers including CII, CODISSIA and ICC supported the exercise wholeheartedly. Written representations were received from over 20 associations in the city</li> </ul> | <ul style="list-style-type: none"> <li>The active stakeholders 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  | Asian Development Bank (ADB) / City Development Initiative for Asia | <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> </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. A list of service providers that were consulted is enclosed in Annexure 4</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 CCMC to communicate progress of initiatives under the SCM</li> </ul>   |



## 12.SPATIAL MAPS ON THE AREA DEVELOPMENT PROPOSAL

### AREA LOCATION AND CONNECTIVITY



#### Area selected for ABP

- Arterial Roads
- Secondary Roads
- - - - - Railway Lines
- Water Bodies

#### City Overview

Second Largest City in Tamil Nadu

**Area:** 257 sq.km (expanded in 2011)  
**Population:** 16.02 lakh (Census '11)  
**Slum Population:** 1.29 lakh (Census '11)  
**Decadal population Growth:** 73.78%  
**Population Density:** 63 ppha

**3 National Highways:** NH - 47, NH - 67, NH - 209 traverse the city

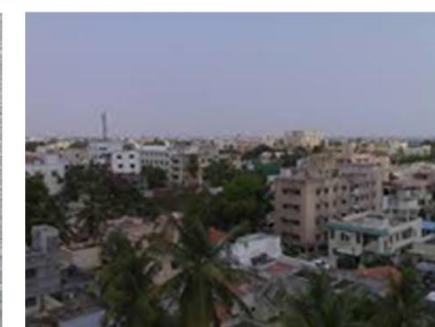
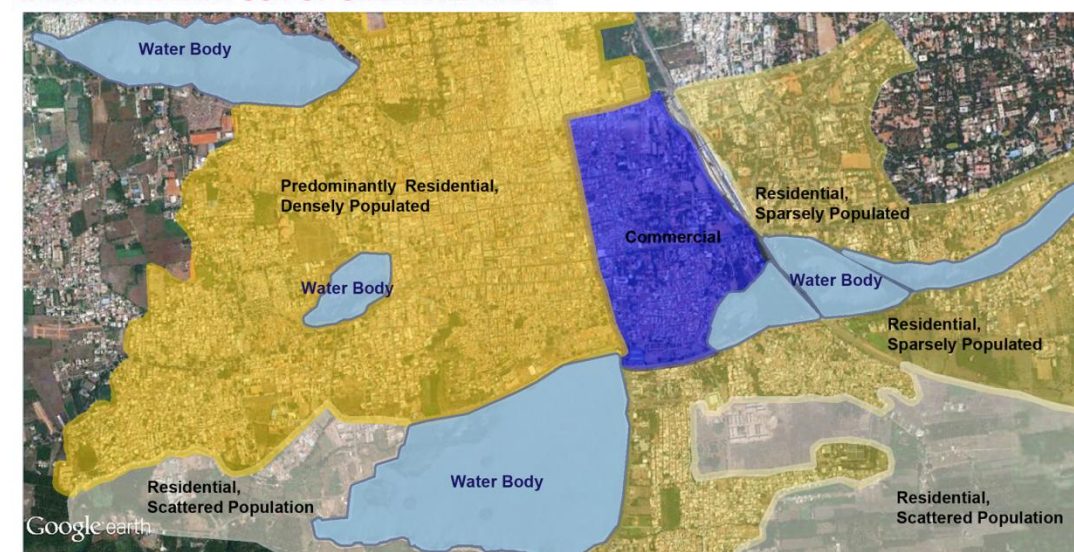
#### Area selected for ABP

Retrofit of parts of Central Coimbatore adjoining an 8-lake network

**Area:** 17 sq.km ~ 6.6% of city  
**Population:** 225,000 ~ 14% of city  
**Population Density:** 134 ppha  
**Households:** 50,736  
**Slum Population:** 43,939 ~ 34% of city  
**Slum Households:** 10,584

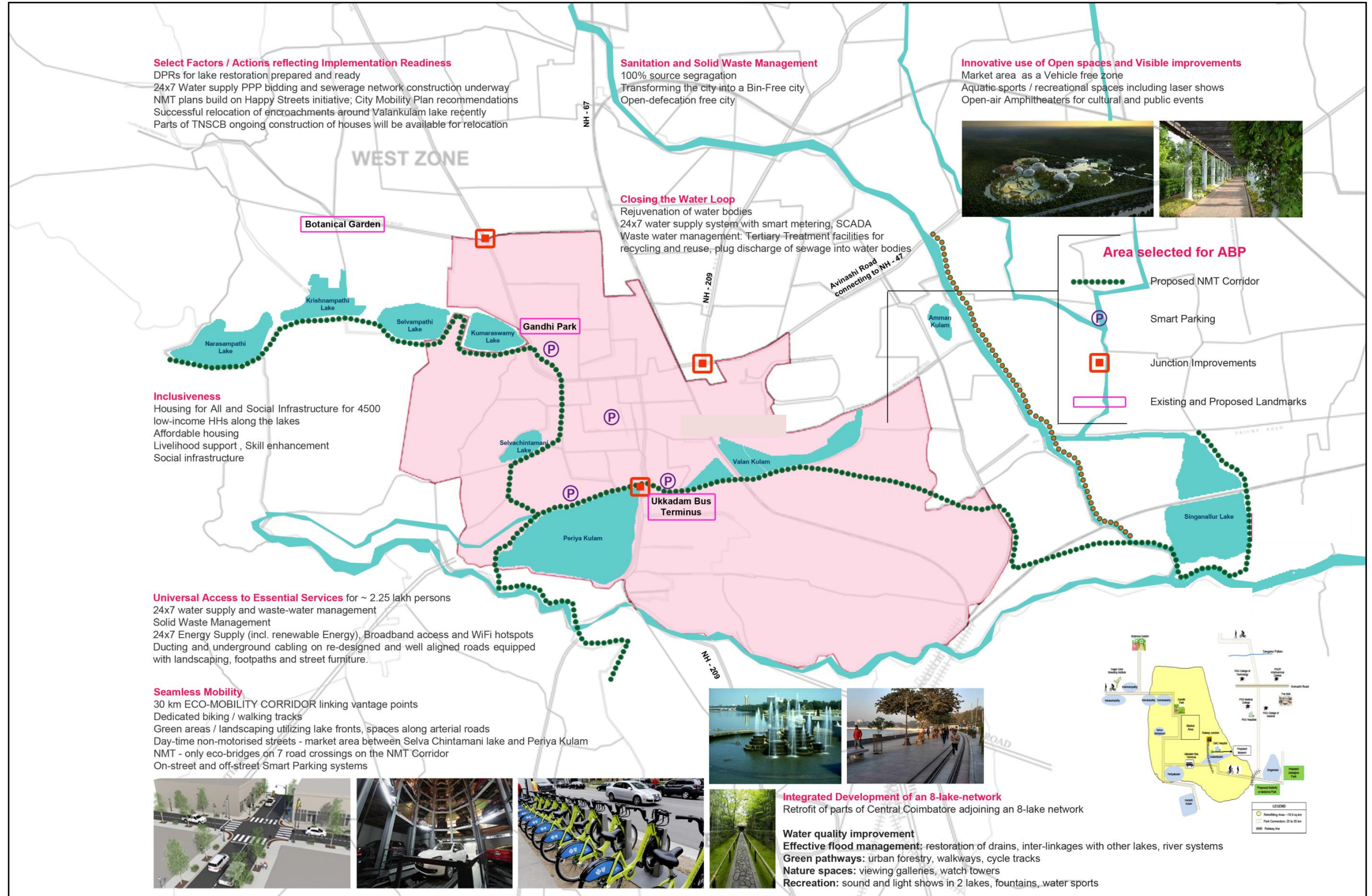
| Particulars             | Unit                   | Value   |
|-------------------------|------------------------|---------|
| Road length- Interior   | Km                     | 183.8   |
| Road length- Arterial   | Km                     | 26.8    |
| Footpath                | Km                     | 16.8    |
| Storm Water Drains      | Km                     | 138.9   |
| Streetlights - LED      | Nos.                   | 1428    |
| Streetlights - Others   | Nos.                   | 5763    |
| Toilets                 | Nos.                   | 43      |
| Property tax assessment | Nos.                   | 50736   |
| Water supply            | Connections (Nos.)     | 27180.0 |
|                         | Distribution line (km) | 136.8   |
| Sewerage                | Connections (Nos.)     | 38121   |
|                         | Drainage length (km)   | 1428.8  |
| Parks                   | Area (sq.km)           | 0.21    |

### INDICATIVE LANDUSE OF SELECTED AREA



## AREA BASED PROPOSAL : AREA LOCATION AND PROFILE





**Select Factors / Actions reflecting Implementation Readiness**  
 DPRs for lake restoration prepared and ready  
 24x7 Water supply PPP bidding and sewerage network construction underway  
 NMT plans build on Happy Streets initiative; City Mobility Plan recommendations  
 Successful relocation of encroachments around Valankulam lake recently  
 Parts of TNSCB ongoing construction of houses will be available for relocation

**Sanitation and Solid Waste Management**  
 100% source segregation  
 Transforming the city into a Bin-Free city  
 Open-defecation free city

**Innovative use of Open spaces and Visible improvements**  
 Market area as a Vehicle free zone  
 Aquatic sports / recreational spaces including laser shows  
 Open-air Amphitheaters for cultural and public events

**Closing the Water Loop**  
 Rejuvenation of water bodies  
 24x7 water supply system with smart metering, SCADA  
 Waste water management: Tertiary Treatment facilities for recycling and reuse, plug discharge of sewage into water bodies

**Inclusiveness**  
 Housing for All and Social Infrastructure for 4500 low-income HHs along the lakes  
 Affordable housing  
 Livelihood support, Skill enhancement  
 Social infrastructure

**Universal Access to Essential Services** for ~ 2.25 lakh persons  
 24x7 water supply and waste-water management  
 Solid Waste Management  
 24x7 Energy Supply (incl. renewable Energy), Broadband access and WiFi hotspots  
 Ducting and underground cabling on re-designed and well aligned roads equipped with landscaping, footpaths and street furniture.

**Seamless Mobility**  
 30 km ECO-MOBILITY CORRIDOR linking vantage points  
 Dedicated biking / walking tracks  
 Green areas / landscaping utilizing lake fronts, spaces along arterial roads  
 Day-time non-motorised streets - market area between Selva Chintamani lake and Periya Kulam  
 NMT - only eco-bridges on 7 road crossings on the NMT Corridor  
 On-street and off-street Smart Parking systems

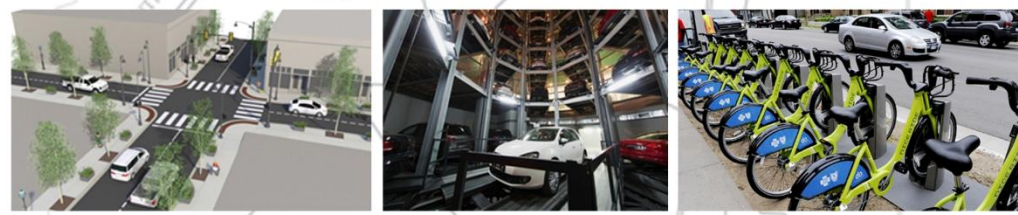
**Area selected for ABP**

- Proposed NMT Corridor
- Smart Parking
- Junction Improvements
- Existing and Proposed Landmarks



**Integrated Development of an 8-lake-network**  
 Retrofit of parts of Central Coimbatore adjoining an 8-lake network

**Water quality improvement**  
**Effective flood management:** restoration of drains, inter-linkages with other lakes, river systems  
**Green pathways:** urban forestry, walkways, cycle tracks  
**Nature spaces:** viewing galleries, watch towers  
**Recreation:** sound and light shows in 2 lakes, fountains, water sports



**HOLISTIC, INCLUSIVE AND TRANSFORMATIVE RETROFIT DEVELOPMENT OF CENTRAL COIMBATORE**  
 Incorporating Biophilic Principles, Non-Motorised Mobility and Visible Quality of Living



1. Council Resolution approving Smart City Plan including Financial Plan  
2. Council Resolution for setting up Special Purpose Vehicle

மாமன்ற கூட்டதாள்

பொருள்

மத்திய அரசால் அறிவிக்கப்பட்டுள்ள "மிடுக்கான நகரம்" (Smart City) திட்டத்தில் முதற்கட்ட நிலையில் பல்வேறு போட்டிகளில் கோயம்புத்தூர் மாநகராட்சி பங்கேற்று அகில இந்திய அளவில் முன்னேறி இரண்டாம் கட்ட நிலைக்கு தகுதி பெற்றுள்ளது. இதற்காக நாட்டிலுள்ள 98 இதர நகரங்களுடன், கோயம்புத்தூர் மாநகராட்சி போட்டியில் உள்ளது. 20 மாநகரங்களில் ஒன்றாக 2015-16ஆம் நிதி ஆண்டிற்கான முதற்கட்ட நிதியினை பெறுவதற்கான போட்டியில் உள்ளது.

இத்திட்டத்தினை செயல்படுத்த, சிறப்பு செயலாக்க குழு அமைக்கப்படும் (Special purpose vehicle). இக்குழு இத்திட்டத்திற்கு தேவையான அடிப்படை திட்டங்கள், செயல்படுத்துவதற்கான நடவடிக்கைகள், அனுமதி வழங்குதல், தேவையான நிதி விடுவித்தல், திட்டத்தை செயல்படுத்துதல், மேலாண்மை மற்றும் கண்காணித்தல் உள்ளிட்ட அனைத்து பணிகளையும் செயல்படுத்த உள்ளது. இக்குழுவின் ஒவ்வொரு மிடுக்கான நகரத்திற்கும் தனியாக ஒரு முழு நேர தலைமை செயல் தலைவர் நியமிக்கப்படுவார். அவரின் கீழ் மத்திய அரசு, மாநில அரசு மற்றும் உள்ளாட்சி நிறுவனங்களிலிருந்து அலுவலர்கள், உறுப்பினர்களாக நியமிக்கப்பட்டு குழு அமைக்கப்பட உள்ளது.

இத்திட்டத்திற்கான ஆலோசகர்களாக தி/ள். ICRA மேனேஜ்மென்ட் கன்சல்டிங் சர்வீசஸ் லிட்ட., (IMACS) நிறுவனம் மத்திய மற்றும் மாநில அரசுகளால் நியமிக்கப்பட்டுள்ளது. இத்திட்ட ஆலோசகர்கள் கீழ்க்கண்ட அடிப்படை திட்டங்களை கோயம்புத்தூர் மாநகராட்சிக்கு தயாரித்து சமர்ப்பித்துள்ளார்கள்.

1. மாநகர மதிப்பீடு (City Assessment)
2. பகுதி நிலையிலான திட்டம் (Area based proposal)
3. பான் நகர திட்டம் (Pan City Proposal)
4. நடைமுறைப்படுத்துதல் திட்டம் (Implementation Plan)
5. நிதித்திட்டம் (Financial Plan)

எனவே "மிடுக்கான நகரம்" (Smart City) திட்டத்தின் கீழ் மேற்கண்ட அடிப்படை திட்டங்களை தயாரித்து சமர்ப்பித்துள்ள திட்டங்களை (நிதித்திட்டம் உட்பட) ஒப்புதல் வழங்கவும் மேலும் இத்திட்டத்திற்காக (Smart city Guide lines) உருவாக்கப்பட உள்ள சிறப்பு குழு (Special purpose vehicle) அமைப்பதற்கும் மாண்புமிகு மேயர் அவர்கள் முன் அனுமதி வழங்கியதற்கு பின்னேற்பு வேண்டி மாமன்றத்திற்கு பொருள் வைக்கப்படுகிறது.

அலுவலகக்குறிப்பு: அனுமதிக்கலாம்

ந.க.எண்.5782/2015/எம்.டி.3

உ.நி.பொ

நி.பொ

மா.பொ.  
14/12/15

ஆணையாளர்

மாண்புமிகு மேயர்

கனடா கற்று கிடுகாடு' ஸ்த 30) 3ம் 22.12.2015

புள்ளி 4 உதவிக்கப்பட்டது.

(ச.க) H. சந்திரன்  
பேர்

(2016 ஸ்)

  
மாமன்ற செயலாளர்  
காயம்புத்தூர் மாநகராட்சி

  
22/12/15

# COIMBATORE CITY MUNICIPAL CORPORATION

## COUNCIL SUBJECT

Coimbatore City Municipal Corporation has been selected through a competitive process for SMART City Mission initiative of Government of India. In Stage II, Coimbatore city has to compete with 98 other cities from across the country to make it into the Top 20 cities which will be taken up for the first round of funding, for the financial year 2015-16 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.

1. City Assessment
2. Area Based Proposal
3. Pan- City Proposal
4. Implementation Plan
5. 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.

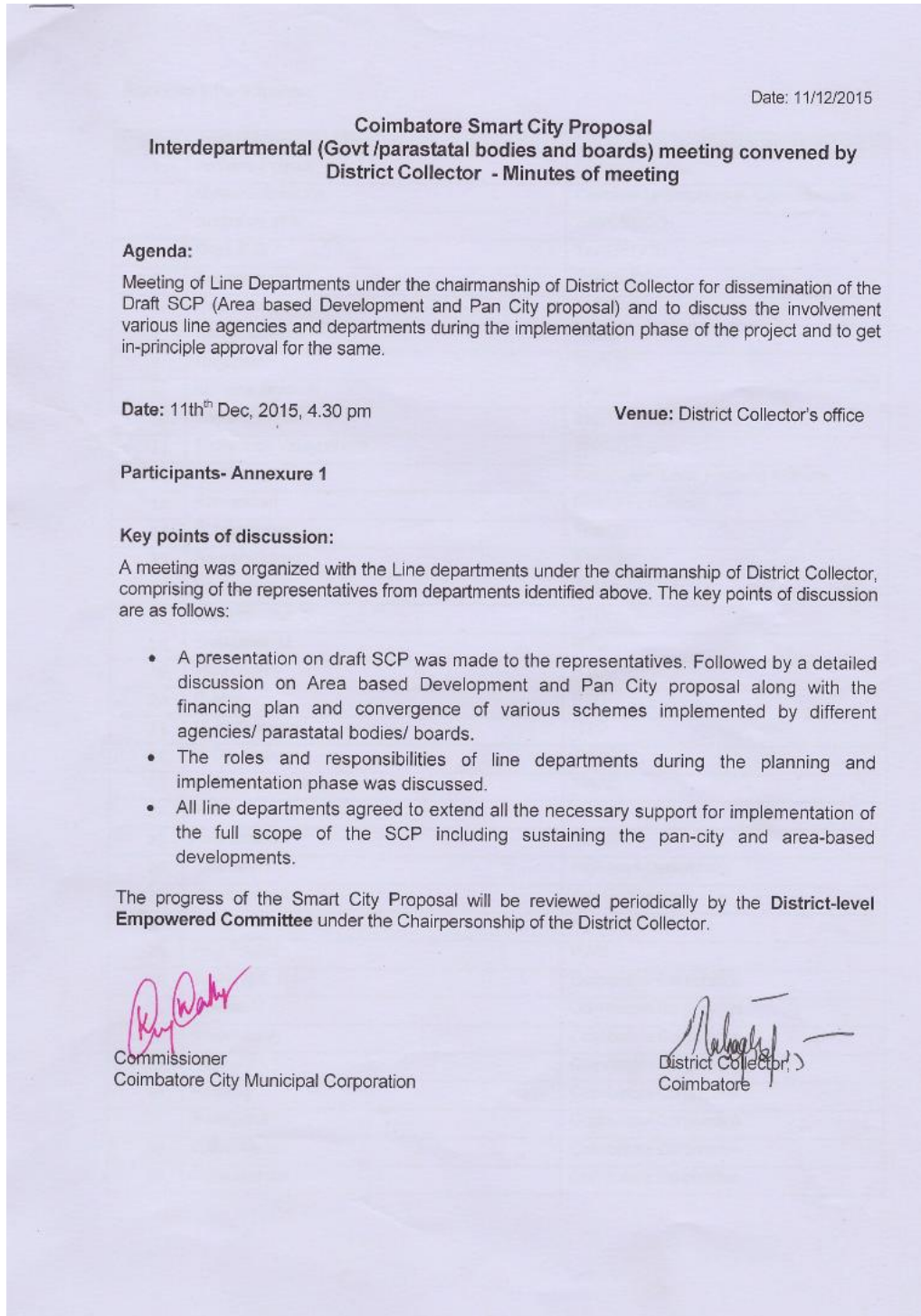
  
EE  
11/12/15

  
CE  
11/12/15

  
Commissioner  
Coimbatore City Municipal Corporation

  
Hon'ble Mayor  
Coimbatore City Municipal Corporation

**3. Agreement/s with Para Statal 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 Convenor of the District Level Empowered Committee)**





**Annexure I- Participants:**

| SN  | Designation         | Line Departments                     |
|-----|---------------------|--------------------------------------|
| 1.  | Archana Patnaik     | District Collector                   |
| 2.  | VijayaKarthikeyan   | Coimbatore Corporation, Commissioner |
| 3.  | Sudhakar. G.N       | TANGEDCO                             |
| 4.  | Gopi. P.G           | TANGEDCO                             |
| 5.  | Subramanian. R      | TANGEDCO                             |
| 6.  | Ragukannan V        | TNEB                                 |
| 7.  | Ranganathan V       | TNEB                                 |
| 8.  | Ragupath            | TNPCB                                |
| 9.  | Mohana Jayavalli    | TNPCB                                |
| 10. | SayeeKrishnan       | TNSTC                                |
| 11. | Shanmuga Velayudham | TNSTC                                |
| 12. | Mathivanan          | Coimbatore Local Planning Authority  |
| 13. | Kumaresan           | District Fire Officer                |
| 14. | Subramanian         | TNSCB                                |
| 15. | Raja Shekaran       | TNSCB                                |
| 16. | Kavithavani.S       | TNHB                                 |
| 17. | Udhayakumar. S      | RTO                                  |
| 18. | Sivakumar. M        | RTO                                  |
| 19. | Munnusamy           | RTO                                  |
| 20. | P. Mani             | RTO                                  |
| 21. | M. Karthikeyan      | RTO                                  |
| 22. | K. Dharmaraju       | TWAD                                 |
| 23. | A. Balasubramaniam  | TWAD                                 |
| 24. | T. Sukumar          | TWAD                                 |
| 25. | Palanichamy         | DDHS                                 |
| 26. | Saravanan           | Highways Department                  |
| 27. | Jeevanandam         | Agri Engineering                     |
| 28. | Vincent Manoharan   | Agriculture                          |
| 29. | Arun Prakash        | PWD                                  |
| 30. | SashiPriya. R       | Coimbatore Corporation               |
| 31. | Geetha. V           | Coimbatore Corporation               |
| 32. | Sreenivasan         | Coimbatore Corporation               |
| 33. | Rajendran           | Coimbatore Corporation               |
| 34. | AmalRaj             | Coimbatore Corporation               |
| 35. | RaviKumar           | Coimbatore Corporation               |
| 36. | Subramanian         | Coimbatore Corporation               |
| 37. | Mohansundar         | Coimbatore Corporation               |

Letter from TANGEDCO



POWERING TAMILNADU'S PROGRESS ...

**To whomsoever it may concern**

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

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

*Amritha*  
23/12/15  
Chief Engineer/Planning & Resource Centre  
TANGEDCO

## Letter from Tamil Nadu Pollution Board



### TAMILNADU POLLUTION CONTROL BOARD

From

To

K.Ravichandran.B.E.(Hons),M.Tech.,  
District Environmental Engineer  
Tamilnadu Pollution Control Board  
Coimbatore South Office  
42-D, S.N.R. College Road  
Peelamedu, Coimbatore – 04.

The District Collector  
Coimbatore  
Coimbatore District.

Lr.No./DEE/TNPCB/CBE(S)/2015 Dt.23.12.2015

Sir,

Sub : TNPCB – O/o.DEE, Coimbatore South – Support for Smart City  
– Coimbatore Corporation – reg.

Ref : Smart City Programme Meeting held on 11.12.2015

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With reference to the above, I submit to inform that, TNPCB will support initiatives taken for SMART CITY PROGRAMME for Coimbatore Corporation.

*L.2.2*  
District Environmental Engineer  
TNPC Board, Coimbatore South



## Letter from Agriculture University

DISTRICT COLLECTOR OFFICE  
23 DEC 2015  
COIMBATORE

வேளாண்மை பொறியியல் துறை  
பெறுநர்

அனுப்பநர்  
திரு. ப.ஜீவானந்தம்.பி.இ.,(விவ) எம்.பி.ஏ.,  
செயற் பொறியாளர்(வே.பொ)  
கோவை.13

மா.வட்ட ஆட்சியர் அவர்கள்  
கோவை.

அப்பா, கடிதம் எண் .அ/கா.மு.அ/01/2015 நாள்: 23.12.2015

பொருள் வேளாண்மை பொறியியல் துறை — மா.வட்ட ஆட்சியர் அவர்களால் 11.12.2015 அன்று நடத்தப்பட்ட Smart City-ஆய்வுக் கூட்டம் தொடர்பாக.

பார்வை மா.வட்ட ஆட்சியர்/கோவை அவர்களின் Smart City-கூட்ட நாள் 11.12.2015.

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மா.வட்ட ஆட்சியர்/கோவை அவர்களின் முன்னிலையில் 11.12.2015 அன்று நடைபெற்ற Smart City- கூட்டத்தில் கலந்து கொண்டேன் என்ற விபரத்தினை பணிவுடன் சமர்ப்பித்துக் கொள்வதுடன், Smart City திட்டத்திற்கு எனது முழு ஒத்துழைப்பையும் அளிக்கிறேன் என்பதனையும் சமர்ப்பித்துக் கொள்கிறேன்.

மேலும் கீழ்க்கண்ட கருத்துக்களை பரிசீலிக்குமாறு பணிவுடன் வேண்டுகிறேன்.

- 1.நகரின் அனைத்து முன்னேற்றங்களும் சூரிய ஒளி மின்சக்தியை பயன்படுத்துவதன் மூலம் சுற்றுதழல் பாதுகாக்கப்படுவதோடு காற்றில் கரிமமில் வாயுவின் அளவு குறையும்.
- 2.நகரில் உள்ள அனைத்து நிராதரங்களும் அவற்றிற்கு நிர்வகும் நிர்வாகியினரின் துள் வார்ப்புட்டு கரைகள் பரப்படுத்தப்பட வேண்டும்

செயற் பொறியாளர் (செ.பொ)  
கோவை.13.

23/12/15

## Letter from Department of Agriculture

வேளாண்மைத் துறை

அனுப்பவர்  
திரு.க.சத்திரசேகரன், பிஎஸ்ஸி(விவ),  
வேளாண்மை இணை இயக்குநர்,  
கோவை - 13.

பெறுநர்  
மாவட்ட ஆட்சித் தலைவர்  
கோவை 18

சுழி எண். இ4/ 5740/2015 நாள். 23.12.2015

ஐயா,



பிராநுள்.- ஸ்மார்ட் சிட்டி - கோயம்புத்தூர் மாநகராட்சி - மத்திய  
அரசின் ஸ்மார்ட் சிட்டி திட்டத்தின் கீழ் ஸ்மார்ட் சிட்டியாக  
உருவாக்க - அனுமதித்தல் - குறித்து.  
பார்வை.- மாவட்ட ஆட்சித் தலைவர், கோவை அவர்களின் சுழி  
எண்.5782/2015/எம்.4/3, நாள் 10.12.2015.

பார்வைக் சுழித்தின் படி இந்தியாவில் ஸ்மார்ட் சிட்டி நகரங்களை  
உருவாக்குவதில் கோயம்புத்தூர் மாநகராட்சியினை மத்திய அரசின் ஸ்மார்ட் சிட்டி  
திட்டத்தின் கீழ் ஸ்மார்ட் சிட்டியாக உருவாக்க அனுமதிக்கலாம் என்பதை பணிவுடன்  
தெரிவித்துக்கொள்கிறேன்.

ஒய்/- க.சத்திரசேகரன்,  
வேளாண்மை இணை இயக்குநர்,  
கோவை-13.

//உத்தரவுப்படி//

  
கண்காணிப்பாளர். 23/12/15

23/12/15

## Letter from Department of Highways

23 DEC 2015 நெடுஞ்சாலைத்துறை  
அனுப்பினர்  
திரு.ஜெ.கண்ணன்,எம்.டி.  
கோட்டப்பொறியாளர்,(நெ)  
க(ம)ப, கோவை -18

பெறுநர்  
மாவட்ட ஆட்சியர்,  
மாவட்ட ஆட்சியர் அலுவலகம்,  
கோவை.

க.எண் : ஸ்மார்ட் சிட்டி/2015/இலாஅ-2/நாள் :23.12.2015.

அம்மையர்,

பொருள் : ஸ்மார்ட் சிட்டி கோயம்புத்தூர் மாநகராட்சி - மத்திய அரசின் ஸ்மார்ட் சிட்டி திட்டத்தின் கீழ் கோயம்புத்தூர் மாநகராட்சி நேர்வு செய்யப்பட்டுள்ளது - மாநகராட்சி பகுதிகளில் மேற் கொள்ளப்பட வேண்டிய உட்கட்டணப்பு அபிவிருத்திப் பணிகள் குறித்து மாவட்ட ஆட்சியர் அவர்கள் தலைமையில் கலந்தாலோசனை கூட்டம் 11.12.2015 அன்று மாலை 4.30 மணிக்கு கோயம்புத்தூர் மாவட்ட ஆட்சித்தலைவர் அலுவலகத்தில் நடைபெற்றது - கலந்து கொண்டது தொடர்பாக.

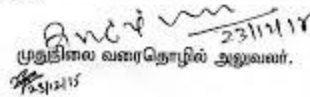
பார்வை : மாவட்ட ஆட்சியர், கோவை அவர்களின்  
ந.க.எண் : 5782/2015/எம்.டி.3/நாள் : 10.12.2015.

11.12.2015 அன்று கோவை மாவட்ட ஆட்சியர், தலைமையில் மாவட்ட ஆட்சியர் அலுவலகத்தில் நடைபெற்ற ஸ்மார்ட் சிட்டி திட்ட கலந்தாலோசனைக் கூட்டத்தில், நெடுஞ்சாலைத்துறை சார்பில், கலந்து கொண்டது.

ஜி.ஜெ.கண்ணன்,  
கோட்டப்பொறியாளர்,(நெ)  
க(ம)ப,கோவை -18.

நகல் - கண்காணிப்புப்பொறியாளர்,(நெ) க(ம)ப, கோவை அவர்களுக்கு பணிந்து  
சமர்ப்பிக்கப்படுகிறது.

// உண்மை நகல் // உத்திரவிற்படி //

  
முதுநிலை வளர்தொழில் அலுவலர்,  
23/12/15

## Letter from Health Department

அனுப்புநர்:  
மரு.மா.தமிழ்மணி,எம்பிஎஸ்.,டி.ஏ.,  
இணை இயக்குநர்  
நலப்பணிகள்,  
கோவை-18.

பெறுநர்:  
மாவட்ட ஆட்சியர்,  
கோயம்புத்தூர்.

23 DEC 2015  
COIMBATORE

ந.க.எண்:6707/பொபி/2015

நாள்:23.12.2015.

அம்மையர்,

பொருள்: ஸ்மார்ட் சிட்டி கோயம்புத்தூர் மாநகராட்சி - மத்திய அரசின் ஸ்மார்ட் சிட்டி திட்டத்தின் கீழ் கோயம்புத்தூர் மாநகராட்சி தேர்வு செய்யப்பட்டுள்ளது. மாவட்ட ஆட்சியர் தலைமையில் கலந்தாலோசனைக் கூட்டம் 11.12.2015 அன்று மாலை 4.30 மணிக்கு கோயம்புத்தூர் மாவட்ட ஆட்சித் தலைவர் அலுவலகத்தில் நடைபெற்றது - கலந்து கொண்டது - அறிக்கை சமர்ப்பிப்பது - தொடர்பாக.

பார்வை: கோவை மாவட்ட ஆட்சியரின் ந.க.எண்.5782/2015 /எம்டி-3  
நாள்: 10.12.2015.

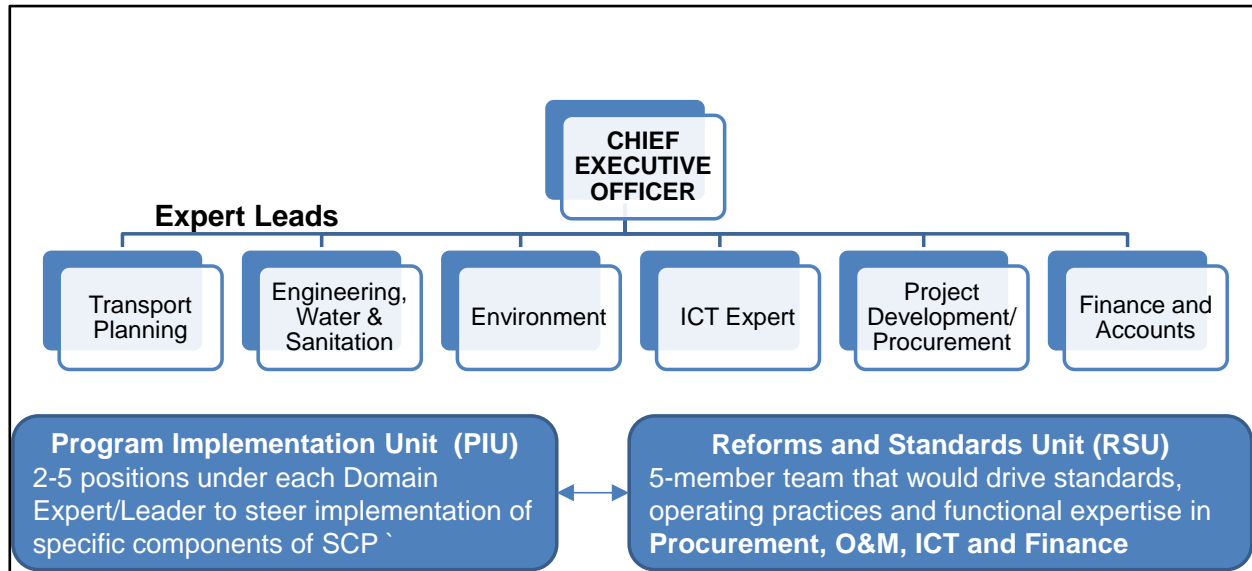
பார்வையில் காணும் மாவட்ட ஆட்சியரின் கடிதத்தின்படி 11.12.2015 அன்று மாலை 4.30 மணிக்கு கோவை மாவட்ட ஆட்சியர் தலைமையில் நடைபெற்ற ஸ்மார்ட் சிட்டி கலந்தாலோசனைக் கூட்டத்தில் கலந்து கொள்ளப்பட்டது. கோயம்புத்தூர் மாநகராட்சி ஸ்மார்ட் சிட்டி ஆவதற்கு முழு ஒத்துழைப்பை அளிக்கிறேன் என்பதைக் கனிவுடன் தெரிவித்துக்கொள்கிறேன்.

இணை இயக்குநர்,  
நலப்பணிகள், கோவை.

23/12/15

#### 4. Preliminary human resource plan for the SPV

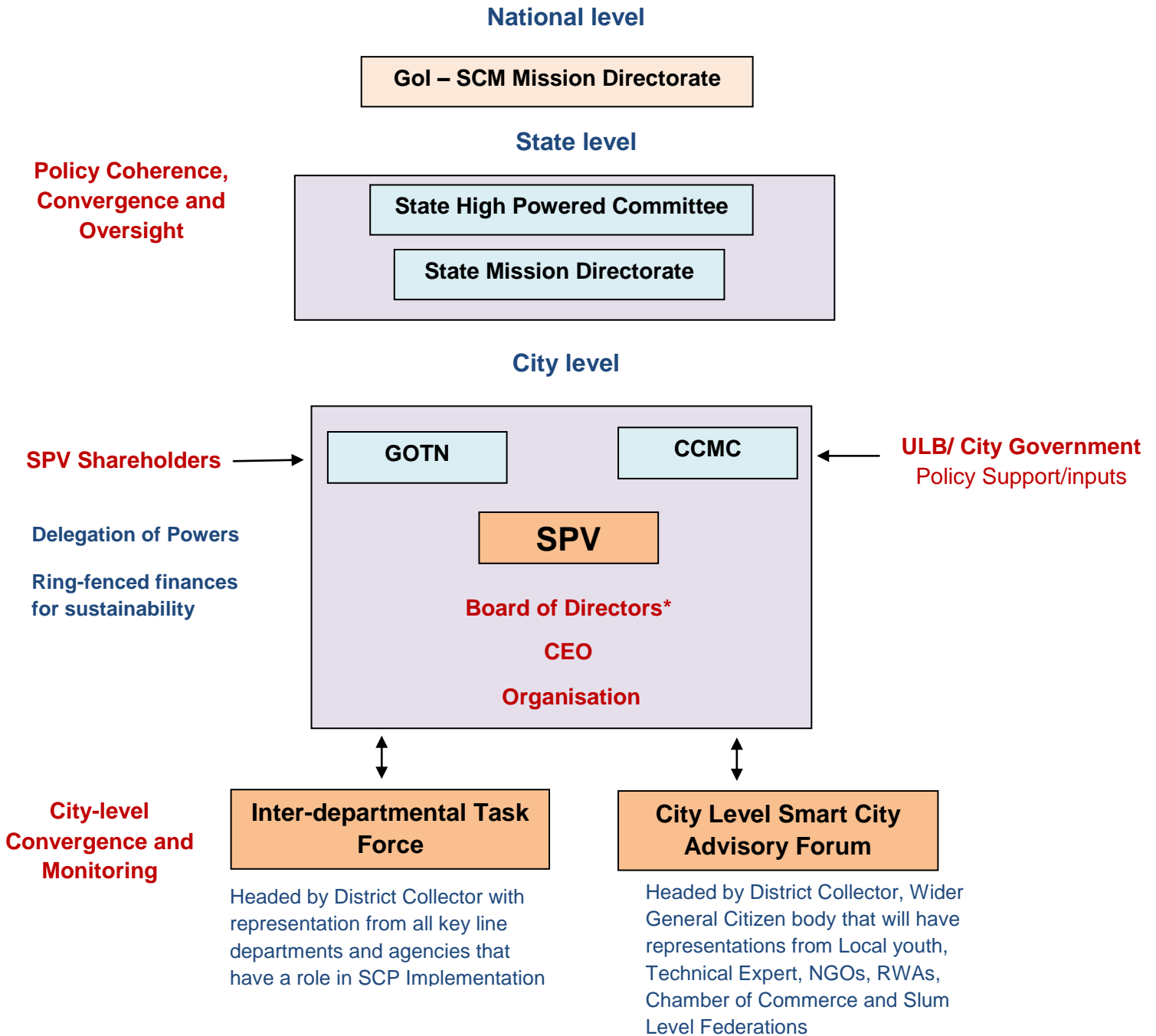
**Organisation Chart**(to be finalised by the Staffing Committee of the Board of the SPV upon formation)



#### 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

## 5. Institutional arrangement for operationalization of the SPV



## 6. 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**  
ஆதித்யா M. 2046  
ககி து, 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, for 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**

## 7. 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

## 8. Forwarding Letter from HPSC

**Most Immediate**



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

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

**From**

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

**To**

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

**Sir,**

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

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

Yours sincerely,

for Principal Secretary to Government

**Copy to**

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

## 9. Minutes of Meeting- HPSC



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

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

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

The following members attended the meeting:

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



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

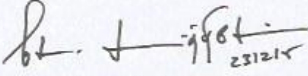
- |   |   |
|---|---|
| 16.Thiru K.R.Selvaraj<br>Commissioner,<br>Salem Corporation               | Member                                  |
| 17.Thiru R.Mohan<br>Commissioner,<br>Erode Corporation                    | Member                                  |
| 18.Tmt P.Janaki Ravindran<br>Commissioner,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

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

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

**K.GNANADESIKAN**  
**CHIEF SECRETARY & CHAIRMAN OF HPSC**

**//True Copy//**

  
**Section Officer**