

ANNEXURE 2

ANNEXURE 2 – SELF ASSESSMENT FORM

Features	Definition	Scenario 1 (BASE)	Scenario 2	Scenario 3	Scenario 4 (ADVANCED)	Self-assessment for the full city with regard to each feature	Basis for assessment and/or quantitative indicator (Optional - only if data exists)	Projection of 'where the city wants to be' with regard to the feature/indicator based on the city vision and strategic blueprint	Input/Initiative that would move the city from its current status to Advanced status (Scenario 4: Column G)
1 Citizen participation	A smart city constantly shapes and changes course of its strategies incorporating views of its citizen to bring maximum benefit for all. (Guideline 3.1.6)	The City begins identifies priorities and projects to pursue without consulting citizens.	City undertakes citizen participation with some select stakeholders. The findings are compiled and incorporated in some projects or programs. Very few major decisions are shared with -citizens until final projects are unveiled.	City conducts citizen engagement at city level and local area level with most stakeholders and in most areas. The findings are compiled and incorporated in projects or programs.	City constantly conducts citizen engagement with people at each Ward level to incorporate their views, and these shape priorities and development projects in the city. Multiple means of communication and getting feedback such, both face-to-face and online are utilized. The effectiveness of city governance and service delivery is constantly enhanced on the basis of feedback from citizens.	Scenario 2	All major decisions are taken at meetings at the city corporation presided by the mayor, chairman of standing committees, commissioner, deputy commissioners, 49 councilors and representatives of 49 ward committee members who represents the wards.	Scenario 4	1. City will conduct mass communication programs to involve the citizen and to educate about the project and address their concerns appropriately. 2. City will prepare ICT based strategies to increase the involvement of people. 3. E polling will also be undertaken to take feedback of the citizen.
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)	There are few architectural monuments, symbols, and festivals that emphasize the unique character of the city. Built, natural and cultural heritage is not preserved and utilized or enhanced through physical, management and policy structures.	Historic and cultural resources are preserved and utilized to some extent but limited resources exist to manage and maintain the immediate surroundings of the heritage monuments. New buildings and areas are created without much thought to how they reflect the identity and culture of the city.	Historic and cultural heritage resources are preserved and utilized and their surroundings are well-maintained. Public spaces, public buildings and amenities reflect the cultural identity of the city;	Built, natural and intangible heritage are preserved and utilized as anchors of the city. Historical and cultural resources are enhanced through various mediums of expression. Public spaces, open spaces, amenities and public buildings reflect local identity and are widely used by the public through festivals, events and activities.	Scenario 3	Identity and culture are preserved in a very diverse way. Citizens from every class and creed participate equally in all the celebrated festivals such as the Durga Puja, ID, Christmas, Buddha Purnima, Diwali etc. The tribal culture is also very exquisite. Both the Tribals and the Non-Tribals equally participate in shaping the extraordinary cultural diversity of the city.	Scenario 4	1. City is taking utmost effort to preserve the natural and cultural heritage. 2. City is taking steps to improve the surrounding of its cultural heritage and infrastructure to preserve and utilize the natural and cultural heritage.
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)	There are some job opportunities in the city but they do not reach all sections of the population. There are 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 integrate informal economic activities with formal parts of the city and its economy.	There are adequate job opportunities for all sections of society. But skill availability among residents can sometimes be a challenge.	There are adequate opportunities for jobs for all sections of income groups and skill levels. Job-oriented skill training supported by the city and by industry. Economic activities are suited to and build on locational and other advantages of the city.	Scenario 2	The State Govt. has constituted the Skill Development Department to provide more development program to the resident. 2. IL&FS is also running 6 (six) skill schools and started providing training on bamboo, rubber, Health, hotel management, sewing, construction etc. 3. More Over the State Govt. has started providing skilling program in different streams among the minority section of the state.	Scenario 4	1. Intend to develop and strengthen Trade and Commerce with Bangladesh. 2. Need to develop IT sector and Software Technical Park. 3. Enhancement of Handloom, Craft Industry, Skill Development. 4. Modify and Modernize the small scale industries in order to increase the domestic products.
4 Education	A Smart City offers schooling and educational opportunities for all children in the city (Guideline 2.5.10)	The city provides very limited educational facilities for its residents. There are some schools but very limited compared to the demand. Many schools are in poor condition.	City provides adequate primary education facilities within easily reachable distance of 15 minutes walking for most residential areas of the city. The city also provides some secondary education facilities.	City provides adequate primary and secondary education facilities within easily reachable distance for most residential areas of the city. Education facilities are regularly assessed through - databases of schools including number of students, attendance, teacher - student ratio, facilities available and other factors.	City provides adequate and high-quality education facilities within easily reachable distance of 10 minutes walking for all the residential areas of the city and provides multiple options of connecting with specialized teaching and multi media enabled education. Education facilities are regularly assessed through database of schools including number of students, attendance, teacher-student ratio, facilities available and other factors.	Scenario 3	Existing Literacy rate is 97.65% which is highest in the Country. The City has various educational institutes - NIT, TIT and Techno India, MBB college, BBM College, Law college, two Medical colleges etc. Elementary education status is also quite astonishing.	Scenario 4	1. City would create the database and use it as tool to improve the quality of education 2. More use of ICT to provide session on certain subjects or topics. 3. Measures to make 100% literacy in the city
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 hospitals' ability to meet citizen needs.	The city provides some access to healthcare for its residents but healthcare facilities are overburdened and far from many residents. Access to preventive health care is only easily available for some residents.	City provides adequate health facilities within easily reachable distance for all the residential areas and job centers of the city. It has an emergency response system that connects with ambulance services.	City provides adequate health facilities at easily accessible distance and individual health monitoring systems for elderly and vulnerable citizens which are directly connected to hospitals to prevent emergency health risks and to acquire specialized health advice with maximum convenience. The city is able to foresee likely potential diseases and develop response systems and preventive care.	Scenario 2	2 Medical College Hospitals, 1 separate Govt. Hospital, 5 nos private Nursing homes, 1 Aurvedic Hospital, 1 Homeopathic Hospital and a total number of 2200 beds with an average of 4.2 beds per 1000 population, the city has sound healthcare facilities. There are 52 diagnostics laboratory also. Crude Birth Rate (SRS 2013) - 13.7% Crude Death Rate (SRS 2013) - 4.7% Infant Mortality Rate (SRS 2013) - 26%	Scenario 4	The city wants to develop more hi-tech hospitals through private participation and improve the bed to population to 5 per 1000 with IT enabled Health Care services like tele medicine and specialist doctors on call through video conferencing that will help in closely monitoring of health for elderly and vulnerable citizens.
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)	The city has mostly separated uses and areas are focused either on residential, commercial, or industrial, with little co-existence of uses. The average resident cannot walk to the closest market or shops near his or her home. For almost everyone, going to work or going shopping for basic needs requires a journey by automobile or bus of more than 15 minutes. Land use regulations prevent putting commercial or office locations in residential neighborhoods and vice versa.	In some parts of the city, there is a mixture of land uses that would allow someone to live, work, and shop in close proximity. However, in most areas, there are only small retail stores with basic supplies near housing. Most residents must drive or use public transportation to access a shop for food and basic daily needs. Land use rules support segregating housing, retail, and office uses, but exceptions are made when requested.	Most parts of the city have housing, retail, and office buildings in close proximity. Some neighborhoods have light industrial uses within them (e.g., auto repair, craft production). Land use rules allow for mixed uses.	Every part of the city has a mix of uses. Everyone lives within a 15-minute trip of office buildings, markets and shops, and even some industrial uses. Land use rules require or encourage developers to incorporate a mixture of uses in their projects.	Scenario 2	Mixed land use exists especially in the Central parts of the city but the Northern, southern and the eastern parts of the city is mainly residential. Most of the Commercial activity take place in the Central part of the City. The residents use personal vehicle or Para transit to access their work place, a shop for food and basic daily needs and other amenities. The outskirts of the city is mainly agricultural.	Scenario 3	AMC needs to prepare a Master Plan and change the Land Use Rule to encourage developers to incorporate a mixed land uses.
7 Compact	A Smart City encourages development to be compact and dense, where buildings are located close to one another and are ideally within a 10-minute walk of public transportation, forming concentrated neighborhoods. (Guidelines 2.3 and 5.2)	The city is expanding rapidly at its periphery into undeveloped land, rural or natural areas, or along industrial corridors - both formally and informally. Formal new development is occurring in a way that is "sprawling," meaning that the buildings spread across a wide area and are far from one another. Residents or tenants find it easier or safer to travel by automobile because it takes a long time to walk between destinations and there are busy roads separating buildings. Large pockets of land in the inner-city are vacant. New developments at the periphery tend to be large-scale residential developments, often enclosed with a gate and oriented to the automobile.	The city has one or two high density areas - such as the city center, or historic areas, where buildings are concentrated together and where people can walk easily from building to building and feel as though they are in center of activity. Most of the city consists of areas where buildings are spread out and difficult to walk between, sometimes with low-density per hectare. Regulations tend to favor buildings that are separated from one another, with lots of parking at the base and set-back from the streets. The city likely has some pockets of under-utilized land in the center. New formal developments at the periphery tend to be large-scale residential developments, often enclosed with a gate and oriented to the automobile.	The city has multiple high density clusters that are easy to walk around where buildings are close together. However, the city actively encourages development to occur on under-utilized parcels of land into high-density, walkable areas. When new formal large-scale development projects happen at the periphery, they are encouraged to be dense and compact, with buildings that are close together and line the streets. The city actively encourages or incentivizes re-development of under-utilized parcels in the inner-city, especially those located close to public transportation.	The city is highly compact and dense, making the most of land within the city. Buildings are clustered together, forming walkable and inviting activity centers and neighborhoods. Regulations encourage or incentivize re-development of under-utilized land parcels in the city center. Buildings are oriented to the street — and parking is kept to a minimum, located below ground or at the back of buildings. Public transport and walking connects residences to most jobs and amenities. Residential density is at an optimal with affordable housing available in most areas.	Scenario 2	The city is quite spread out. spatial growth is taking place along the Northern and Southern periphery while the Central part is compact. New development is occurring in the Northern side that is quite sprawling. The Central part have roads which are busy with mixed traffic.	Scenario 4	AMC needs make a master plan and change the Building By Laws to encourage the vertical expansion of buildings instead of horizontal expansion.
8 Public 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)	The city has very few usable public open spaces and very few usable green spaces. Available recreational spaces are located far away and are dispersed at long distances around the city. The few available public open spaces offer a limited variety of experiences for all sections of population and age groups such as places for sport, places for rest, and places for play.	A variety of public open spaces are available in some neighborhoods, but are not available in all the areas of the city or are located far away from residential areas. Many of the open spaces have access restrictions, or are not well-maintained. A variety of types of public open spaces may be lacking, such as natural areas, green areas, parks, plazas, or recreation areas.	Most areas of the city have some sort of public open space. There is some variety in the types of public spaces in the city. However, public spaces are sometimes not within easy reach or access of more vulnerable populations and are more restricted in poorer neighborhoods.	Public open spaces are well dispersed throughout the city. Every residential area and work space has access to open space within 10 minutes walking distance. Open spaces are of various types - natural, green, plazas, parks, or recreation areas - which serve various sections of people. Public spaces tend to truly reflect the natural and cultural identity of the city.	Scenario 1	1. The city has very few usable public open spaces and very few usable green spaces. 2. The few available public open spaces offer a limited variety of experiences for all sections of population and age groups such as places for sport, places for rest, and places for play.	Scenario 4	The unutilized public spaces should be developed in proper manner. Every residential area and work space will have access to open space and would be within 10 minutes walking distance. Open spaces are of various types - natural, green, plazas, parks, or recreation areas - which serve various sections of people. Public spaces tend to truly reflect the natural and cultural identity of the city.



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9 Housing and inclusiveness	A Smart City has sufficient housing for all income groups and promotes integration among social groups. (Guidelines 3.1.2)	Housing is very limited and highly segregated across income levels. Population growth far exceeds the creation of new housing. The poor live in informal settlements with limited to no access to basic services, and are concentrated in a few areas. The wealthy live in separate enclaves. Those in the middle have few, if any options.	Housing is available at most income levels but is highly segregated across income levels. Population growth slightly exceeds the creation of new housing. The wealthy and the middle class have housing that meets their needs at costs appropriate to their income. The poor live in informal settlements.	Housing is available at all income levels, but is segregated across income levels. The growth of supply of housing almost meets the rate of population growth. Increasingly, lower and middle-income people can find housing in areas that are conveniently located.	A wide range of housing is available at all cost levels. The supply of housing is growing at pace with population. Affordable, moderate, and luxury housing are found clustered together in many areas of the city.	Scenario 1	The city do not have any notified slum. But certain areas along the Haora river and Katakhal Channel have settlements with improper living standards.	Scenario 3	AMC required to change its building by laws as population is increasing. The supply of housing will be growing at pace with population. Affordable, moderate, and luxury housing will found clustered together in many areas of the city. Low Cost or free housing will be provided to the Urban Poor.
10 Transport	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)	Personal automobile centric city with very few modal options. Long trip lengths for daily commute to work and education. Accessing various areas by walking or cycling is difficult. Women and vulnerable sections find it very difficult to move independently in the city. There is limited public transport. Vehicles cause high air and noise pollution levels in the city. Vehicles dominate public spaces and affect their effective functioning.	The street network system is elaborate but public transport choices are restricted. Public transport can be too expensive or unaffordable for the poor. Pedestrian infrastructure is only available in select areas. The majority of investments focus on reducing traffic congestion through the creation of more roads.	Network of streets are fairly complete. Public transport covers most areas of the city. However last mile connectivity remains incomplete and affects transport options. Foot paths are accessible in most areas, whereas concerns of safe crossings and security throughout the day remain. Parking zones are demarcated but absence of pricing increases over utilization of parking lots.	Street network is complete and follows a clear structure. Public transportation network covers the entire city and intensity of connection relates with the demand. Plenty of options of public transport are available and affordable for all sections of the society. There is multi-modal integration at all mass transit stations and organized-priced on street and off street parking. Walking and cycling is prevalent.	Scenario 2	Road density 4.3 km/ Sq.Km. City has a good road network. But does not have enough facilities for footpaths and cycle tracks. There are no traffic signals and parking is a issue. City lacks public transport facility and is heavily dependent on private transport	Scenario 4	1.City is proposing multilevel parking to ease the parking issue in central business district. 2. City has purchased new buses and is expanding its public transport system. 3.Information service will be strengthened to attract people to use public transport. 3. Buses are installed with GPS. 4. Plans are to provide facilities to increase pedestrianisation and cycling.
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)	The city is designed mainly for the automobile. Daily life without a car requires long bus rides. Walking is difficult and often dangerous; there are few pavements, existing pavements need repair and lack trees to provide shade for pedestrians, and marked pedestrian crossings are rare. New buildings have their main entrances set-back from the street, sometimes with large driveways or parking lots separating them from the street, and sometimes are enclosed by gates. Traffic signals are often disobeyed	Older areas of the city see a mix of pedestrians, cyclists, and vehicles but newer areas are focused mainly on the automobile. In the new areas, there are few pavements and main entrances to new buildings are not accessible from the front of the street. large driveways or parking lots often separating them from the street, and sometimes are enclosed by gates. In these areas, traffic signals are disobeyed.	The city has a good network of pavements and bike lanes. Buildings in most areas of the city are easily accessible from the pavement. However, traffic signals are sometimes disobeyed and it can feel difficult to cross the street.	The city is highly walkable. Pavements exist on every street and are maintained. Trees line many sidewalks to provide shade for pedestrians. Buildings in most areas of the city are easily accessible from the sidewalk. Traffic signals control the flow of automobiles and are enforced. A network of bike lanes exists to promote cycling as a means of transport. Traffic rules are followed and enforced with great seriousness.	Scenario 1	City has good road network but lack facilities for pedestrians. Walkable spaces are acquired by on street parking or vendors.	Scenario 4	1. City wants to upgrade its road network for making it pedestrian friendly, 2. Sidewalk with shade trees shall be planned and laid to promote pedestrian transport. 3. Strict traffic laws shall be enforced along with other measures to control the traffic and make the pedestrian feel safe. 4. The proper parking and dedicated commercial zones will be provided in order keep the streets free from any encroachments.
12 T connectivity	A Smart City has a robust internet network allowing high-speed connections to all offices and dwellings as desired. (Guideline 6.2)	City has no major plans to bring increased high speed internet connectivity to the public.	The city has made plans to provide high speed internet connectivity through the existing framework.	The city makes has high speed internet connectivity available in most parts of the city.	The city offers free Wi-Fi services to provide opportunity for all the citizens to connect with high speed internet across the city.	Scenario 2	The city has an existing network of BSNL from which it provides IT connectivity to Govt offices and household connections. The signals are quite weak and city lacks Wi-Fi hot spots in important public buildings.	Scenario 4	1. City is planning for a OFC cable network and Wi-Fi facility to enhance its communication network. 2. Important public buildings and the recreational spaces will have Wi-Fi hotspots.
13 ICT-enabled government services	A Smart City enables easy interaction (including through online and telephone services) with its citizens, eliminating delays and frustrations in interactions with government. (Guidelines 2.4.7 & 3.1.6 & 5.1.4 & 6.2)	Essential Government services are not linked with online platforms. Paper intensive interactions with the local Government continues. Receiving services and response to citizen complaints take a long time. There is limited availability of data to monitor service delivery.	Some of the public services are provided online and infrastructure for total digitalization is not in place. Service delays occur regularly in some sectors. Responses to citizen inquiries or complaints are often delayed. No integration between services and billing.	Most of the services are provided online and offline. Data transparency helps monitoring. System and processes to better coordinate between various Government agencies are being developed.	All major services are provided through online and offline platforms. Citizens and officials can access information on accounting and monitor status of projects and programs through data available on online system. Robust data infrastructure system shares information and enhances internal governmental coordination.	Scenario 3	City has many services online such as building approval, birth death certificate, trade license, and online tax payment.	Scenario 4	1. City is upgrading its e Gov. services and with improved communication backbone will be able to create a platform for more digital programs. 2. City wants to have a system to create accountability and transparency in the government mechanism and increase inter departmental coordination.
14 Energy supply	A Smart City has reliable, 24/7 electricity supply with no delays in requested hookups. (Guideline 2.4)	There is only intermittent electricity supply with regular power shedding. Many residents have to plan their days around when power is available.	Electricity supply and loads are managed 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 is available in most parts of the city for most hours of the day but some areas are not so well-served. Smart metering exists in some parts of the city but not all.	Electricity is available 24 x 7 in all parts of the city with smart metering linked to online platforms for monitoring and transparency.	Scenario 3	Power supplied is sufficient to most parts of the city but some portions have illegal connections which needs to be monitored using smart metering.	Scenario 4	1. City is undertaking project to have SCADA and DMS for the power supply system. 2. City will expand the smart metering to all the households 3. Renewable sources such as the Solar energy will be utilized to create a sustainable future.
15 Energy source	A Smart City has at least 10% of its electricity generated by renewables. (Guideline 6.2)	The city does not have any renewable sources of energy and there is no commitment to promote this for the foreseeable future.	The city is preparing plans for ensuring that it gets more energy from renewable sources and is in the process of making commitments in this regard.	Some energy consumed is the city is produced through renewable sources. There are long term targets for higher renewable energy capacities and the city is making plans to achieve these.	At least 10% of the energy used in the city is generated through renewable sources. The city is undertaking long-term strategic projects to tap renewable sources of energy in its region/beyond to increase the percentage of renewable energy sources.	Scenario 3	Tripura has a hydro power generation facility. Presently city do not have any renewable source of energy based on solar but there is a commitment and plans to get energy through renewable source.	Scenario 4	City has plans to generate 10% of its power requirement through renewable source and is proposing Hapania Solar Farm to produce 4 MW solar power station. 2. Important public buildings and commercial buildings will be fitted with solar panels. 3. Roof tops of the bus shelters and the street lights will also be fitted with solar panels in the CBD area
16 Water supply	A Smart City has a reliable, 24/7 supply of water that meets national and global health standards. (Guidelines 2.4 & 6.2)	The city has a poor water supply system with limited water availability. There are no clear targets to achieve higher quality and optimal quantity standards. Unaccounted water loss is above 40%	The city has intermittent water supply and availability. However it is setting targets and processes in place to try to improve its water supply. Unaccounted water loss is less than 30%.	The city has 24 x 7 water supply in most areas but the quality of water does not meet international health standards. Unaccounted water loss is less than 20%.	The city has 24 x 7 treated water supply which follows national and global standards and also available in sufficient quantity and affordable across all sections of the society. Unaccounted loss less than 15%.	Scenario 2	Presently city has intermittent water supply to majority of its population. The supply per capita is 90 lpcd while the demand is 135 lpcd. The supply remains for 5-7 hours per day.	Scenario 4	1. Various projects are being undertaken with ADB funding in water supply sector to provide 100% coverage. 2.Smart metering for water supply will be implemented under AMRUT. 3. One more water treatment plant is being proposed in our area based development.



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17 Water management	A Smart City has advanced water management programs, including smart meters, rain water harvesting, and green infrastructure to manage storm water runoff. (Guideline 6.2)	The city does not measure all its supply. It does not recycle waste water to meet its requirements and rain water harvesting is not prevalent. Flooding often occurs due to storm water run-off.	The city has meters for all its water supply but lacks mechanisms to monitor. Water wastage is very high. Some, but not much, rainwater harvesting exists.	The city has meters for all its water supply with some smart mechanisms to monitor. Rainwater harvesting systems are installed and storm water is collected and stored in water bodies. However, recycling of waste water and reuse of storm water is limited.	The city has meters for all its water supply. It includes smart mechanisms to monitor remotely. Rainwater harvesting systems are installed and utilized through the city and storm water is collected and stored in water bodies and treated for usage. Recycled waste water is supplied for secondary uses.	Scenario 1	There is no metering system in place at present and no system in place for recycling of waste water or provision of rain water harvesting	Scenario 4	1. City aspires to achieve and to provide smart metering. 2. Rain water harvesting systems need to be installed and utilized throughout the city and storm water required to be collected and stored in water bodies and treated for usage.
18 Waste 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 its sewage. Many local sewer lines open on to water bodies and open ground and pollute the environment.	Most waste water is collected and treated before before disposal. However the treated water does not meet standards and is not recycled for secondary uses.	All the waste water is collected and treated before disposal. It is also treated to a high standard and some is recycled.	The city has zero waste water because all the waste water is collected, treated and recycled. It meets standards and reduces the need for fresh water.	Scenario 1	City at present do not have waste water treatment facility to collect and treat the waste water. The water from the sewers gets accumulated in the water bodies.	Scenario 3	1. STP of capacity 8 MLD is proposed under Area Based Proposal. 2. City will treat its waste water to the CPCB standards before disposal and will try to reuse
19 Air quality	A Smart City has air quality that always meets international safety standards. (Guideline 2.4.8)	City does not have plans, policies or programs to improve the air quality. Systems to monitor air quality are absent.	City has programs and projects to monitor air quality and spatialising the data to ascertain reasons for degrees of pollution in the air. A few strategies to decrease air pollution have been implemented.	City has programs and projects to monitor air quality and spatialising the data to ascertain reasons for degrees of pollution in the air. Pollution levels are acceptable.	The city has clean air by international standards. Live Air quality monitoring cover the entire city and data of air quality are mapped.	Scenario 1	City has clean air but presently do not have monitoring and mapping system.	Scenario 4	City will plan for air quality and monitoring system to keep the air quality in city under check.
19 Energy efficiency	A Smart City government uses state-of-the-art energy efficiency practices in buildings, street lights, and transit systems. (Guideline 6.2)	City has no programs or controls or incentive mechanisms to promote or support energy efficiency in buildings	The city promotes energy efficiency and some new buildings install energy efficiency systems that track and monitor energy use and savings.	Most new public buildings install energy efficiency systems and some older buildings are also retrofitted to be more energy efficient. Local government conducts counselling and outreach with developer, businesses and residents to adopt energy efficiency strategies	All the existing old and new public buildings employ energy efficiency principles in development and operation and apply for energy rating by national and international forums. Many non-public buildings are also energy efficient because the government promotes energy efficiency through incentives and regulations.	Scenario 1	City has no programs or controls or incentive mechanisms to promote or support energy efficiency in buildings	Scenario 3	1. City will provide incentive for taking up energy efficiency measures in the Non public buildings. 2. Will take steps to make public building energy efficient. 3. LED Street Lighting is already installed.
21 Underground electric wiring	A Smart City has an underground electric wiring system to reduce blackouts due to storms and eliminate unsightliness. (Guideline 6.2)	City does not have plans for underground electric wiring system.	More than 40% of the city has underground electric wiring system.	More than 75% of the city has underground electric wiring system.	More than 90% of the city has underground electric wiring system.	Scenario 1	City has plans for underground electrical cabling. DPR is prepared and tender is awarded.	Scenario 4	Electric cabling will be underground and will be installed in the utility trenches which is being proposed in the area based development.
22 Sanitation	A Smart City has no open defecation, and a full supply of toilets based on the population. (Guidelines 2.4.3 & 6.2)	Many parts of the city do not have access to sanitation infrastructure and facilities.	Sanitation facilities are available to 70% of the city's population.	Sanitation facilities are available to 90% of the city's population.	Sanitation facilities are available to 100% of the city's population.	Scenario 2	Coverage with latrines (kutcha & pucca) - 76%. Open defecation is not prevalent.	Scenario 4	1. Public toilets is being installed under the Swachh Bharat Mission. 2. Septage Management scheme is being adopted in the Smart City Proposal
23 Waste management	A Smart City has a waste management system that removes household and commercial garbage, and disposes of it in an environmentally and economically sound manner. (Guidelines 2.4.3 & 6.2)	Waste collection systems do not pick up waste on a frequent basis and waste often enters into water bodies.	Waste generated is usually collected but not segregated. Recycling is attempted by difficult to implement.	Waste is segregated, collected, recycled and disposed in an environmentally sound manner.	The city reduces land fill caused by waste so that it is minimal. All the solid waste generated is segregated at source and sent for recycling. Organic waste is sent for composting to be used for gardening in the city. Energy creation through waste is considered.	Scenario 3	Waste is collected from house and street sweeping is done daily and manually as well as mechanically. Door to door collection efficiency 59%. Overall collection efficiency is 96%.	Scenario 4	1. Measures is being undertaken to improve collection. 2. Solid waste processing plant started operation.
24 Safety and security	A Smart City has high levels of public safety, especially focused on women, children and the elderly; men and women of all ages feel safe on the streets at all hours. (Guideline 6.2)	The city has low levels of public safety - most groups of residents feel insecure during most parts of the day in many parts of the city.	The city has medium levels of public safety - some more vulnerable groups feel insecure during some points of the day and in some parts of the city	The city has high levels of public safety - all citizens including women, children and the elderly feel secure in most parts of the city during most time in the day.	The city has very high levels of public safety - all residents feel safe in all parts of the city during all hours of the day.	Scenario 3	The city has high levels of public safety - all citizens including women, children and the elderly feel secure in most parts of the city during most time in the day.	Scenario 4	75 CCTV cameras will be installed at major junctions and public buildings of the city.

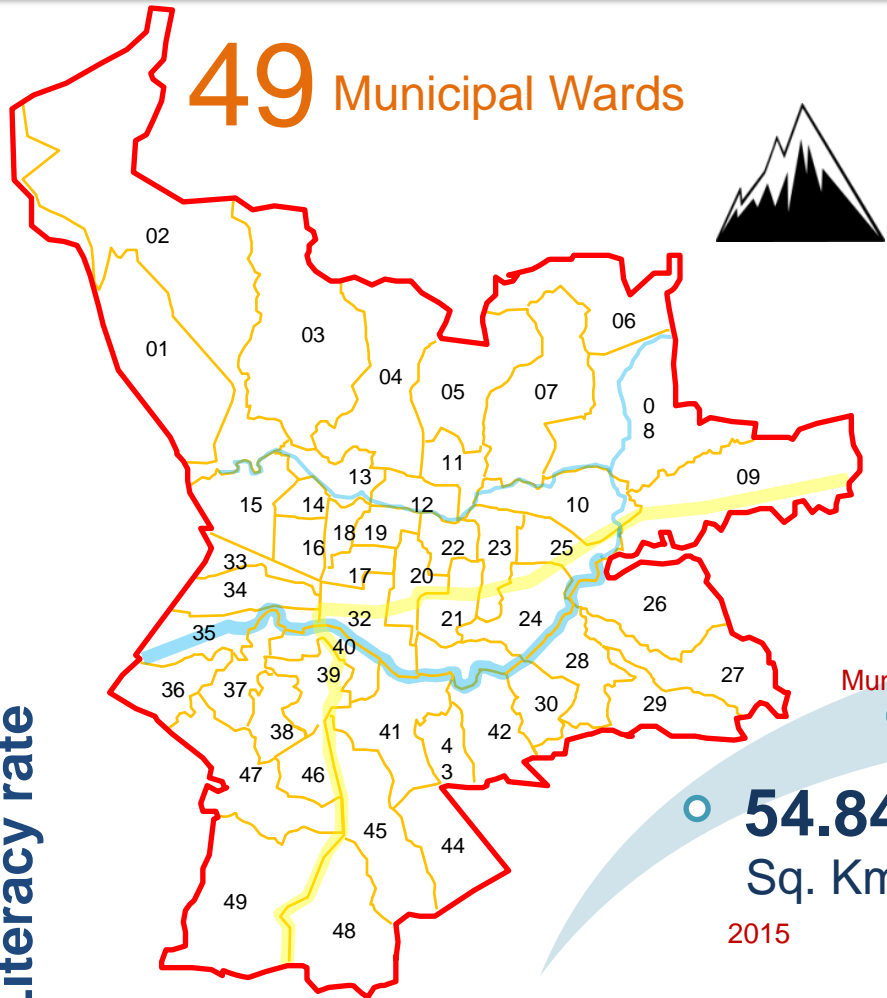


ANNEXURE 3

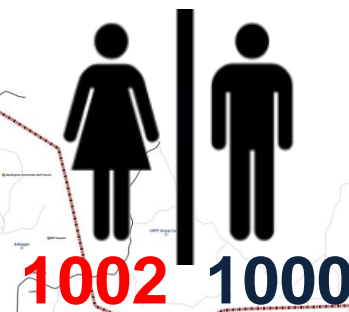
City Profile and Key Performance Indicators



International Border with **Bangladesh**
93.88% (2011) Literacy rate
97.65% (2015)
6831 Persons/Sq.Km



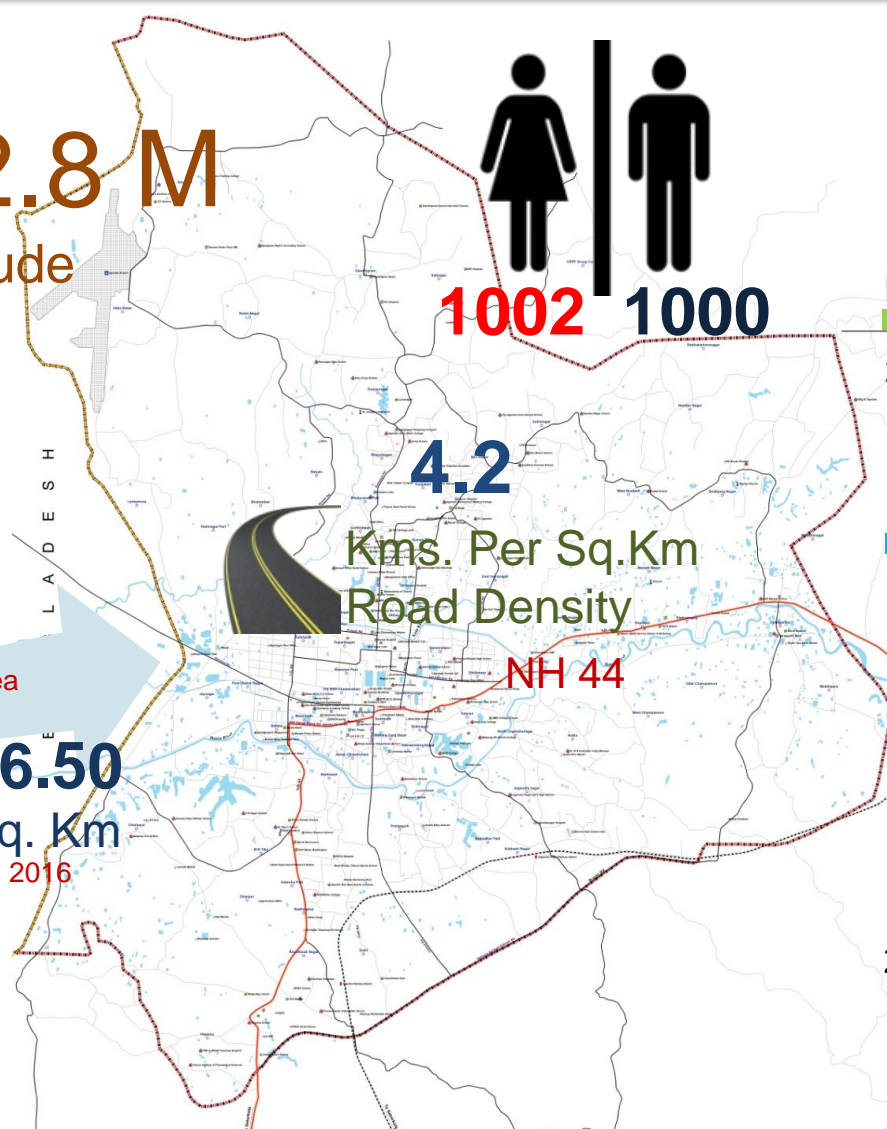
12.8 M
Altitude



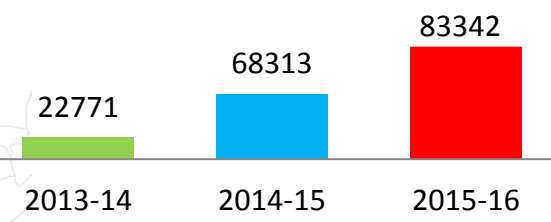
76.50
Sq. Km
2016

54.84
Sq. Km
2015

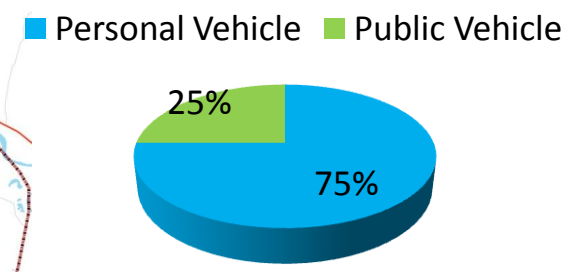
Population
3,97,622 (2011) **5,22,613 (2015)**
Growth of 31.43%



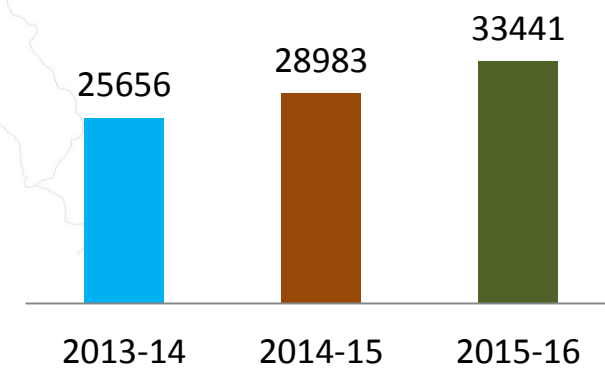
Traffic Volume Growth



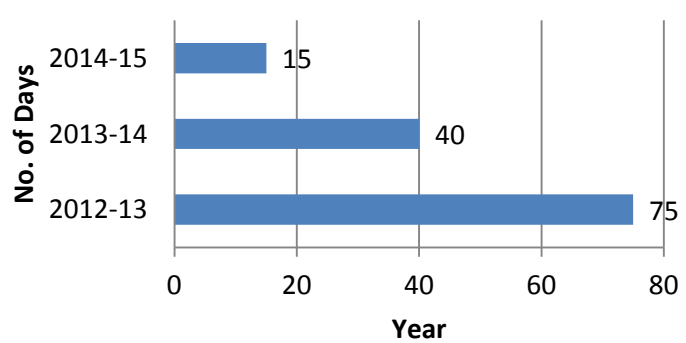
Vehicle Ownership



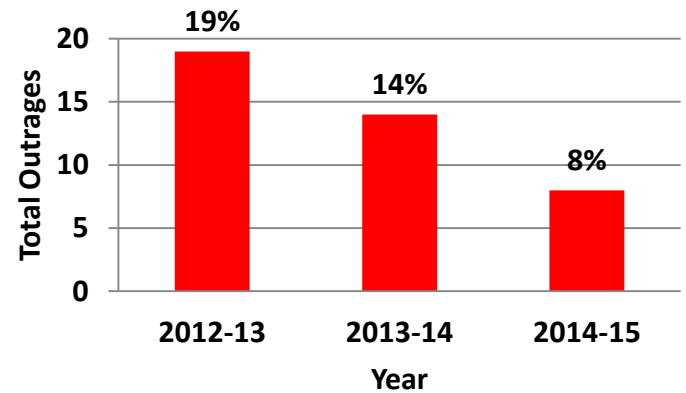
Water Connections



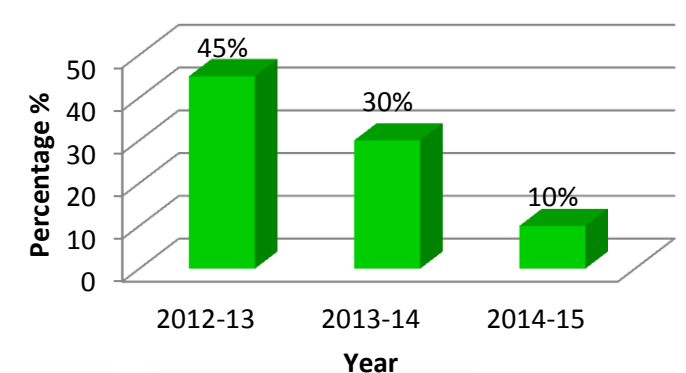
Building Plan approval



Un scheduled Outrages



AT&C and T&D losses

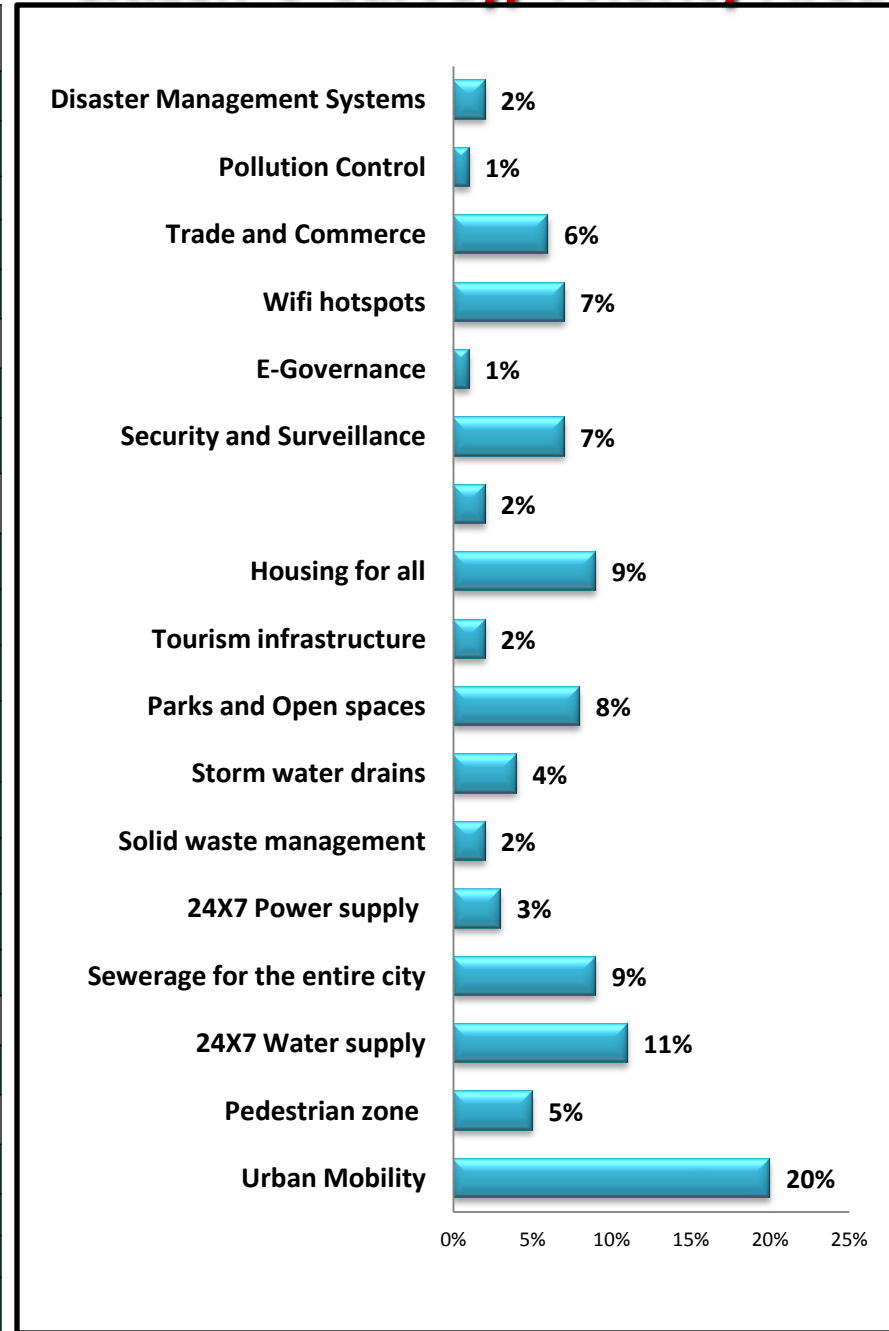


City Self Assessment

Features	1	2	3	4
1 Citizen participation		Yellow		Green
2 Identity and culture			Yellow	Green
3 Economy and employment		Yellow		Green
4 Education			Yellow	Green
5 Health		Yellow		Green
6 Mixed use		Yellow	Green	
7 Compact		Yellow		Green
8 Public open spaces	Yellow			Green
9 Housing and inclusiveness	Yellow		Green	
10 Transport		Yellow		Green
11 Walkable	Yellow			Green
12 IT connectivity		Yellow		Green
13 ICT-enabled government services			Yellow	Green
14 Energy supply			Yellow	Green
15 Energy source			Yellow	Green
16 Water supply		Yellow		Green
17 Water management	Yellow			Green
18 Waste water management	Yellow		Green	
19 Air quality	Yellow			Green
19 Energy efficiency	Yellow		Green	
21 Underground electric wiring	Yellow			Green
22 Sanitation		Yellow		Green
23 Waste management			Yellow	Green
24 Safety and security			Yellow	Green

Yellow Where we are at present
Green Where the City wants to go

Citizen 's survey/ Priority Area



City Level Strategy



Vision

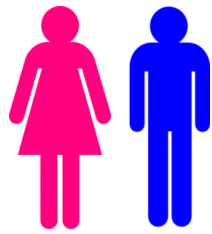
“To become one of the most livable cities of India by improving mobility and to provide inclusive, sustainable and safe environment for social and economic development.”

- Improvement in existing Infrastructure
- De congested City
- Improve public realm of the City
- Strengthen Eco tourism in the City
- ICT based applications
- Introduce sustainable planning practices & containing development
- Solar City Agartala Mission



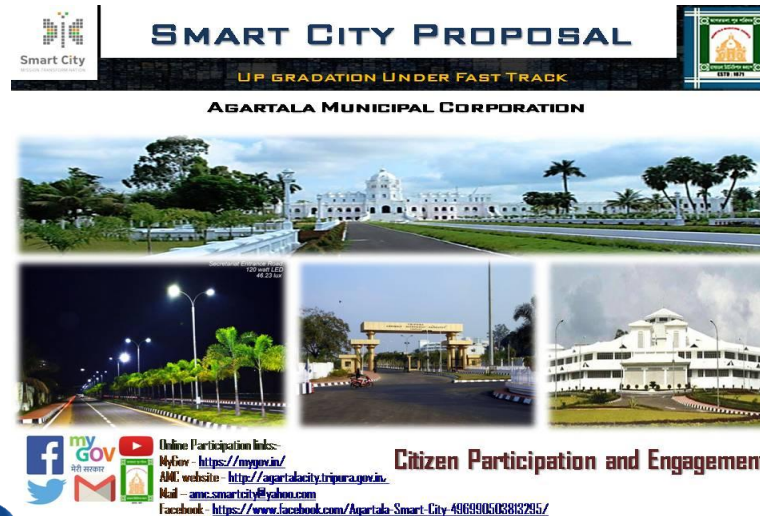
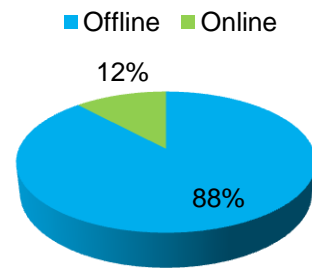
59,372

11.3% Population Engaged



48% 52%

Online Vs Offline



Offline

- Total Participants - 52316
- Suggestions - 36655
- Survey Participants - 42953
- Seminar and Workshop participants - Above 23900
- Participants in Essay Competition - 230

Online

- Total Participants - 7095
- Facebook likes – 1090 (Post reached to 6137)
- Twitter - 18
- Mail received - 940



Meeting with the Mayor and Govt. Officials



Meeting with the Councilors and Experts



Citizen Consultation

YouTube MyGov AMC Poll Survey
Facebook Suggestions Workshops Public Events
Gmail Posters & Banners
Seminars Newspaper Essay Competition
Electronic Media



Citizen Engagement/ Participation in Institutions- NIT/ Colleges/ Schools

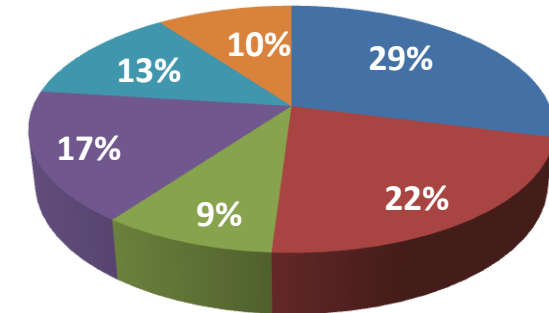


Banners and Hoardings in City

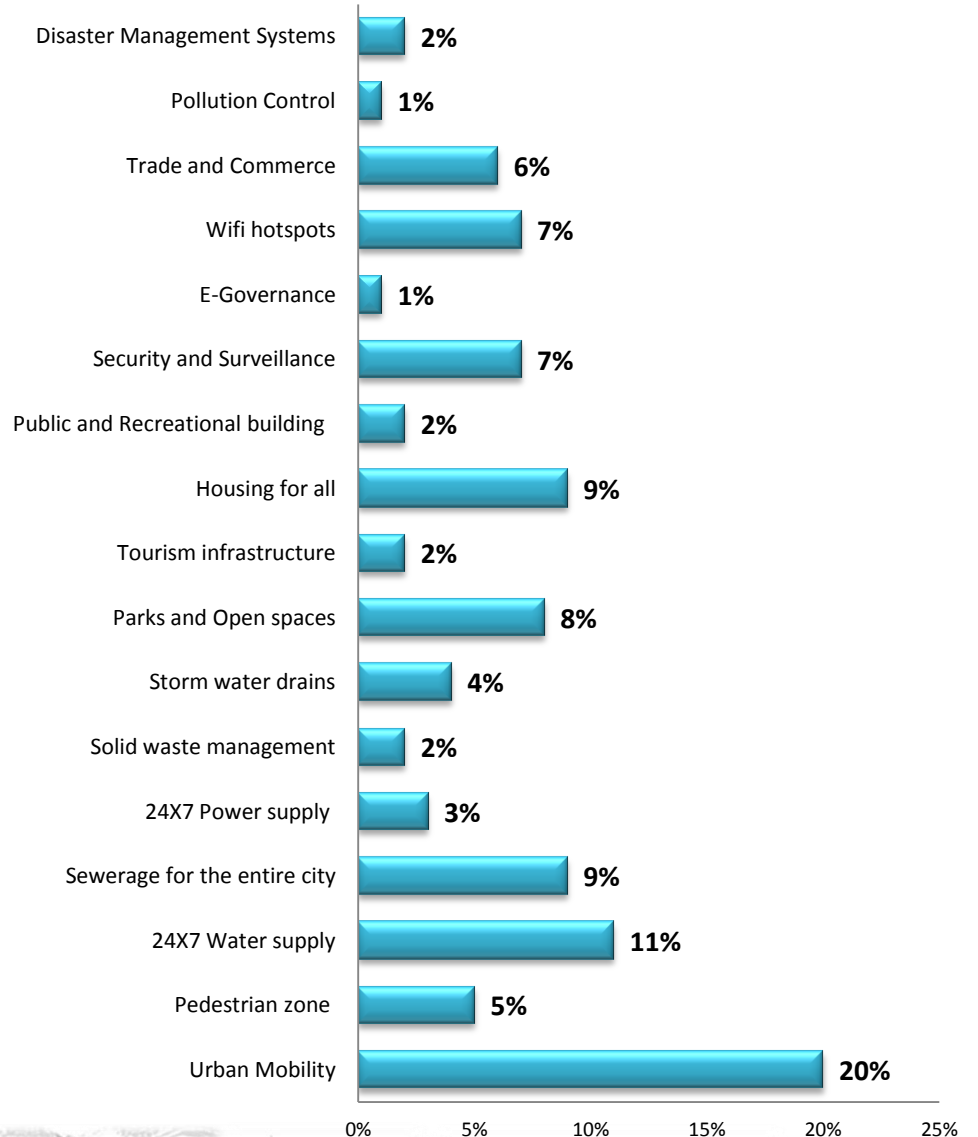


Profession wise Engagement

- Student/Youth
- Line Department
- House wife
- Working Professional
- Bussiness Men
- Senior Citizens



Survey Report



Electronic Media



NGOs Active Participation



Print Media



Winners of the Essay



Drop Boxes in City



Open Plazas

Pedestrian ways

Cycle Tracks

Pedestrian friendly Crossing

Provision
Differently abled

Community Centre

Facilities for community participation
Public gathering area
Recreational activities

Skill Development Centre

Centre for Excellence
Finishing Schools
School for digital literacy
Skill for Jobs, Up gradation of skills, Skill for good governance, Skill@ School & colleges
Skill for Trainers
Skill entrepreneurs

Proposed Site for WTP (11.2 MLD)

Development of STP (8 MLD)

Under convergence for MHA/MEA

Development of Logistic Hub

Provision for 200 truck parking, minimum required infrastructure etc



Mixed High Development

Total 1270 numbers of Residential houses
MIG - 635
LIG - 190
EWS - 445
Slum Rehabilitation

Revitalization and innovative use of under utilized water bodies

Universally accessible landscaping and recreational activities
Restoration of existing water bodies

Development of Sport activities and educational facilities

Development of existing under utilized playground into state of arts sport facilities
Up gradation of educational facilities
digitalization of educational equipments and infrastructure

Development of commercial, trade and Recreational Hub

Creation of office spaces, commercial spaces, Hotels, art galleries etc.

Rain water
Harvesting Unit

Recycling Pits

Solar Roof tops
(15%)

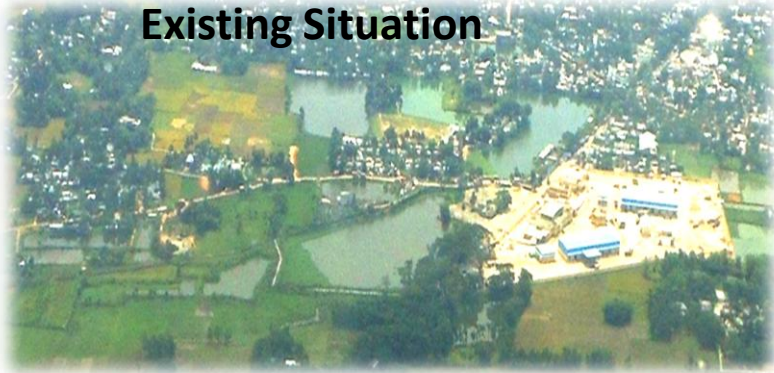
Green building
concept

Piped Gas
supply

Slum
Rehabilitation



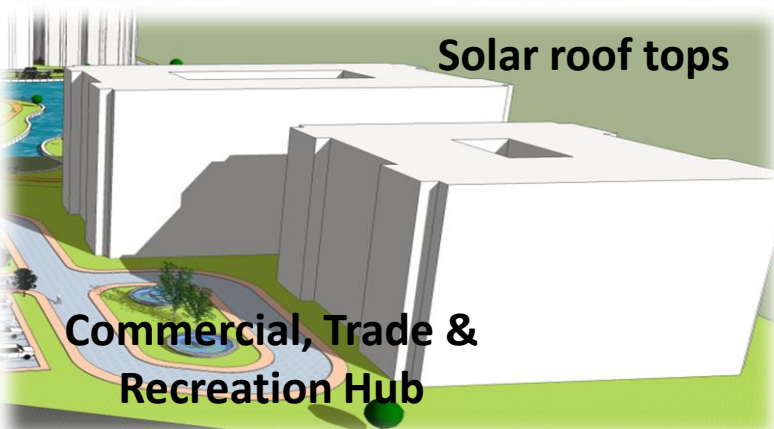
Existing Situation



After Redevelopment



Solar roof tops



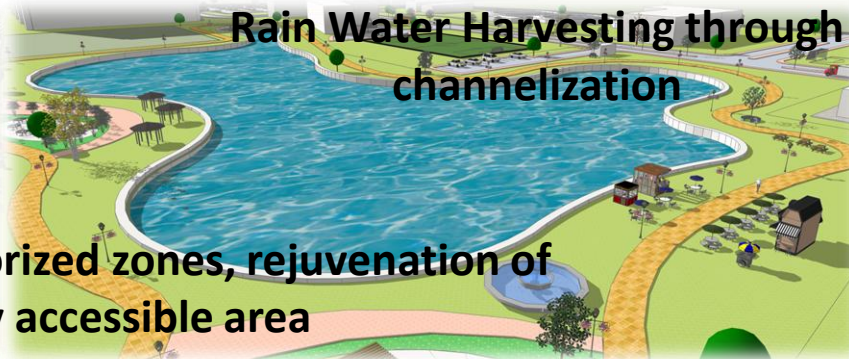
Commercial, Trade & Recreation Hub



Sewerage Treatment Plant

Mixed Housing Development with inclusiveness

Rain Water Harvesting through channelization



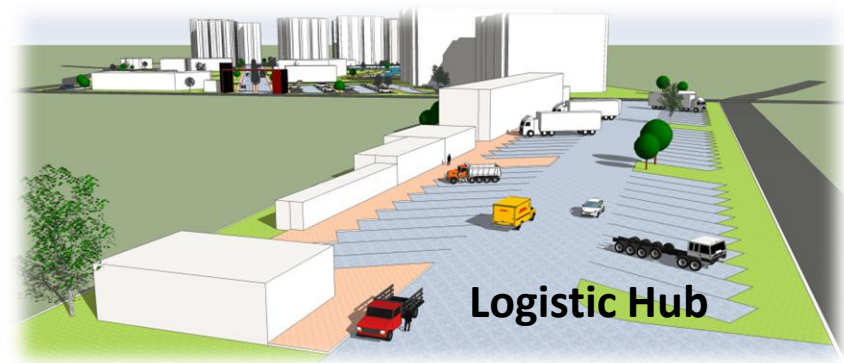
Public plaza , gathering points, non motorized zones, rejuvenation of water bodies and universally accessible area



Bangladesh Bhutan India Nepal Corridor

Bangladesh Border

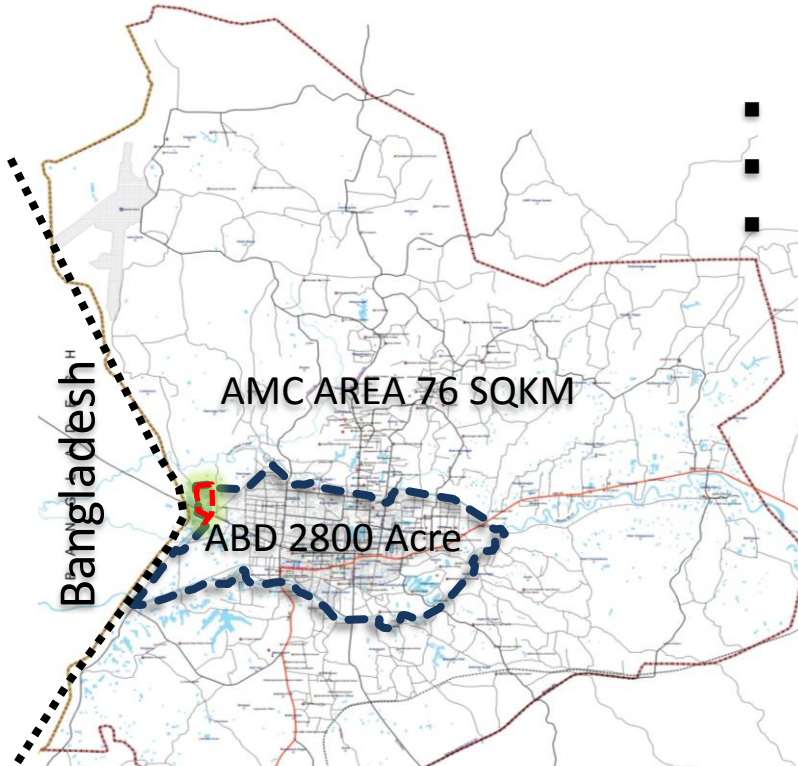
Logistic Hub



Proposed Strategies

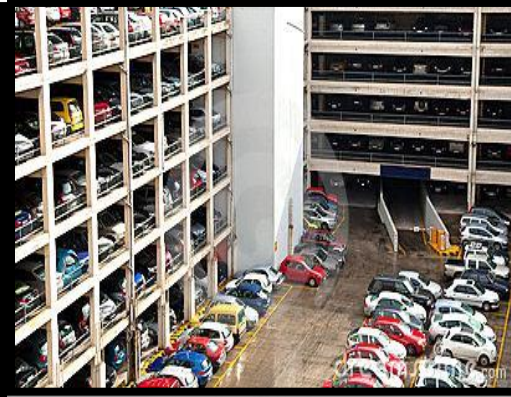
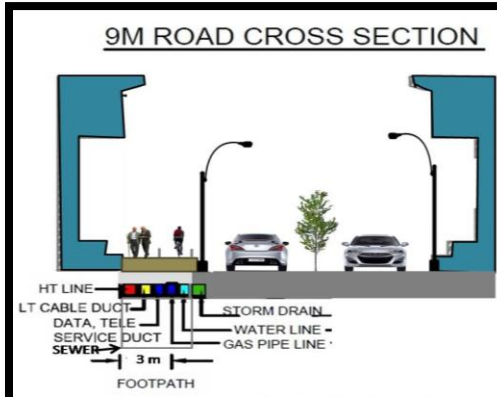
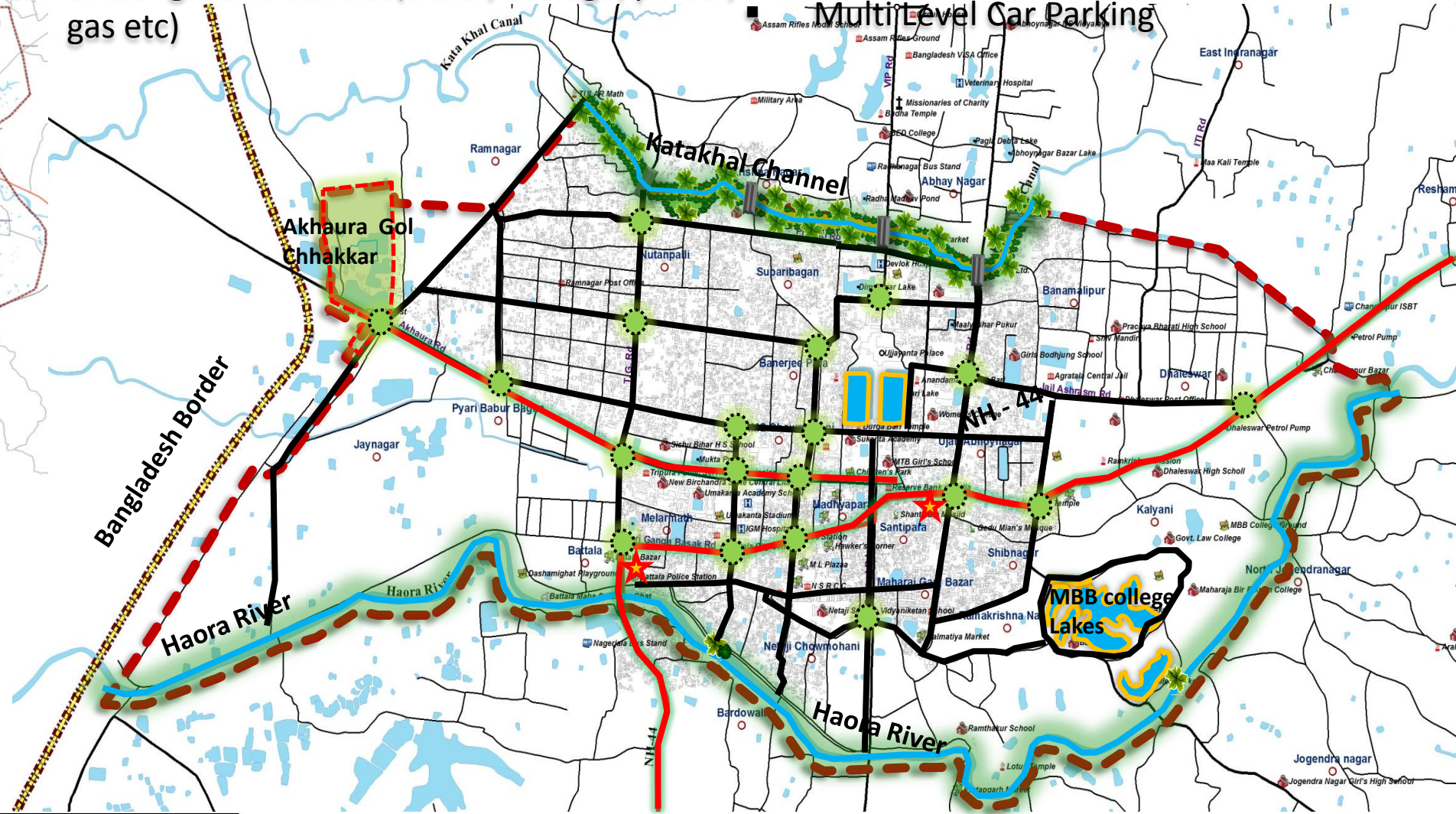
- Under ground Utility corridor
- Improve Aesthetics beauty
- Under ground utilities(water, sewage, power, gas etc)

- Creation of Footpath & Pedestrian way
- Provision for Cycle tracks
- Green corridor development
- Multi Level Car Parking

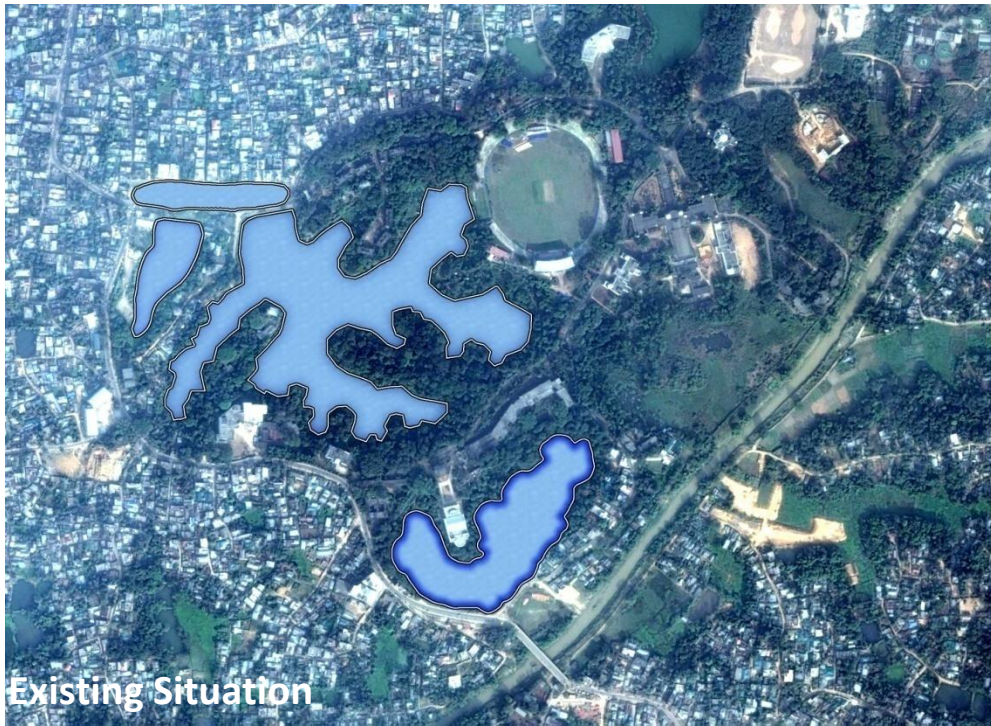


Existing Situation

- Un treated Sewerage disposal
- Degraded Water bodies
- Poor Network
- Under Utilized Vacant Land
- Lacks Pedestrian Facilities
- Degraded living condition
- Open drainage
- On street Parking



MBB college lakes



Street vending is an integral part of the economic growth process. By allocating organized formal shops along the water body will also rejuvenate other activities.



- Landscaping around MBB college lake
- Cultural and Art activities
- Waste management
- Improvement of parks
- Planned vending zones and recreational activities

Open Air Gym

Open auditorium

Universally Accessibility

Footpath, Walkway, differently abled

Revitalization of water body

Jogging track, cycle track



Existing Situation



Existing Situation



Existing Situation

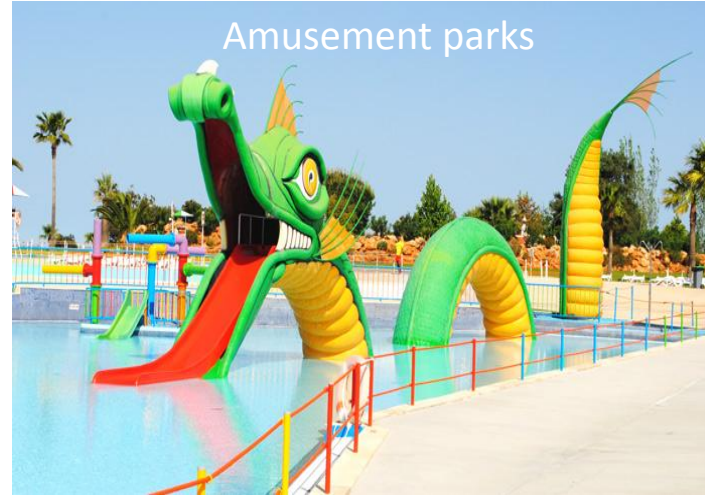


After Interventions

Pedestrian ways



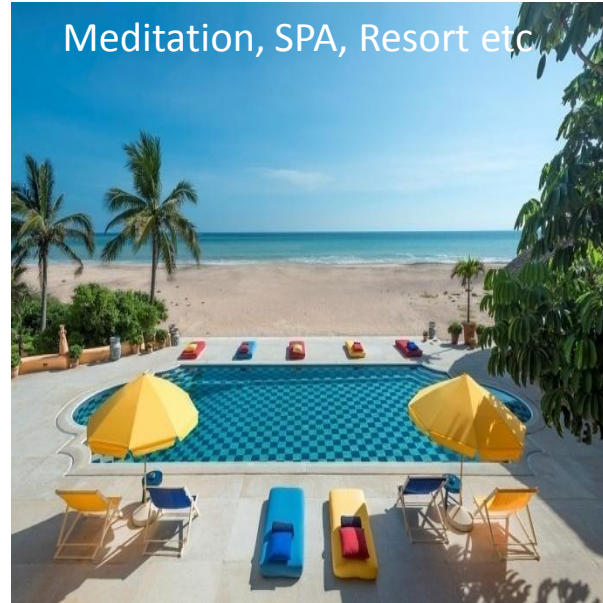
Amusement parks



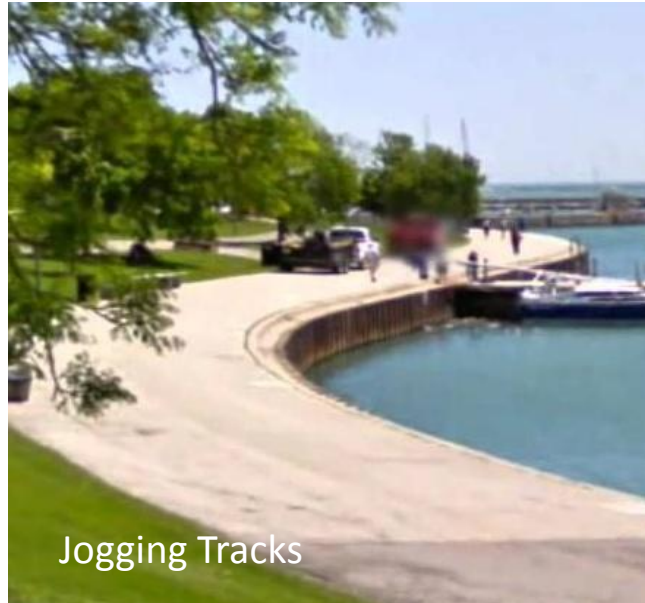
Revitalization of water bodies



Meditation, SPA, Resort etc

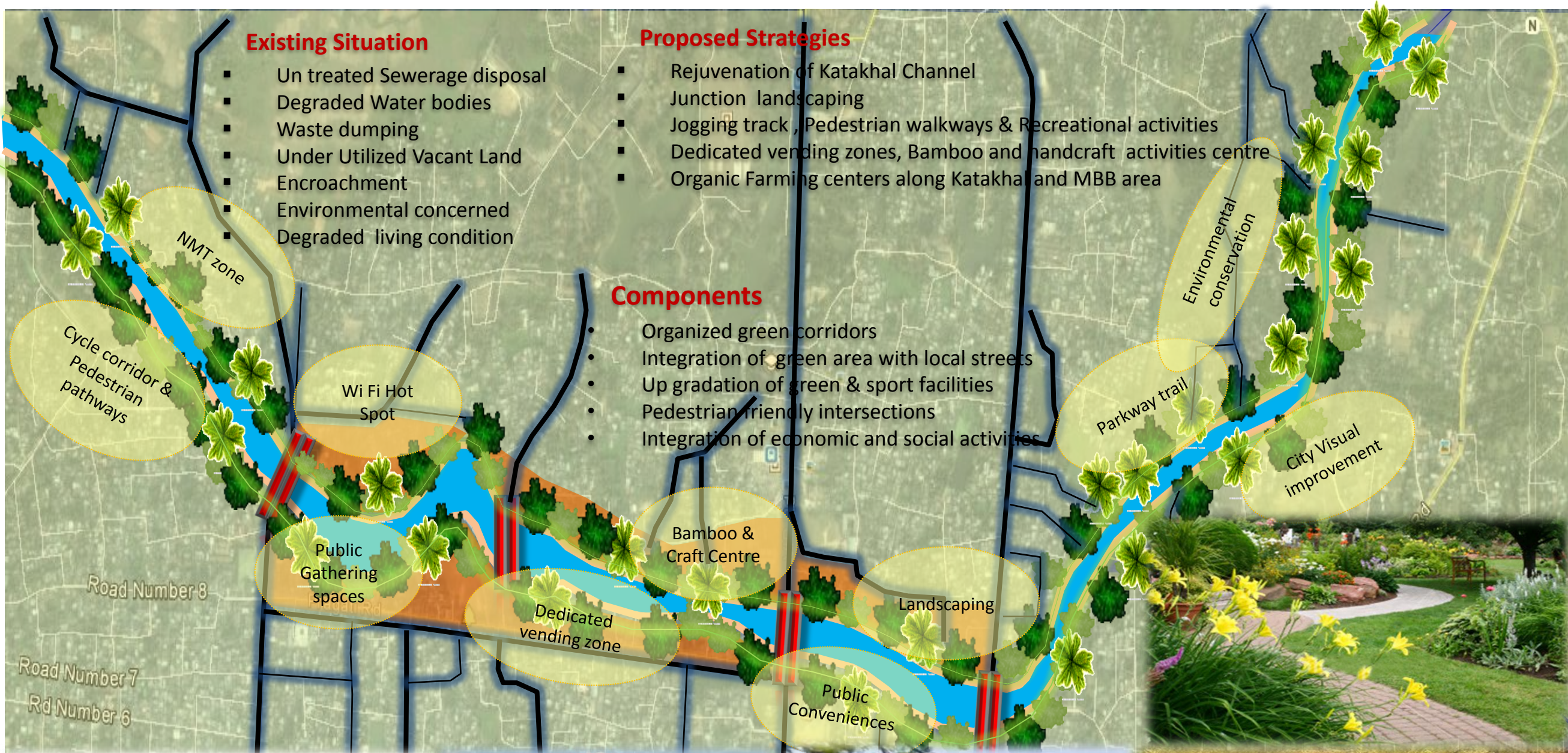


Jogging Tracks



Meditation Centre & Water tourism





Existing Situation

- Un treated Sewerage disposal
- Degraded Water bodies
- Waste dumping
- Under Utilized Vacant Land
- Encroachment
- Environmental concerned
- Degraded living condition

Proposed Strategies

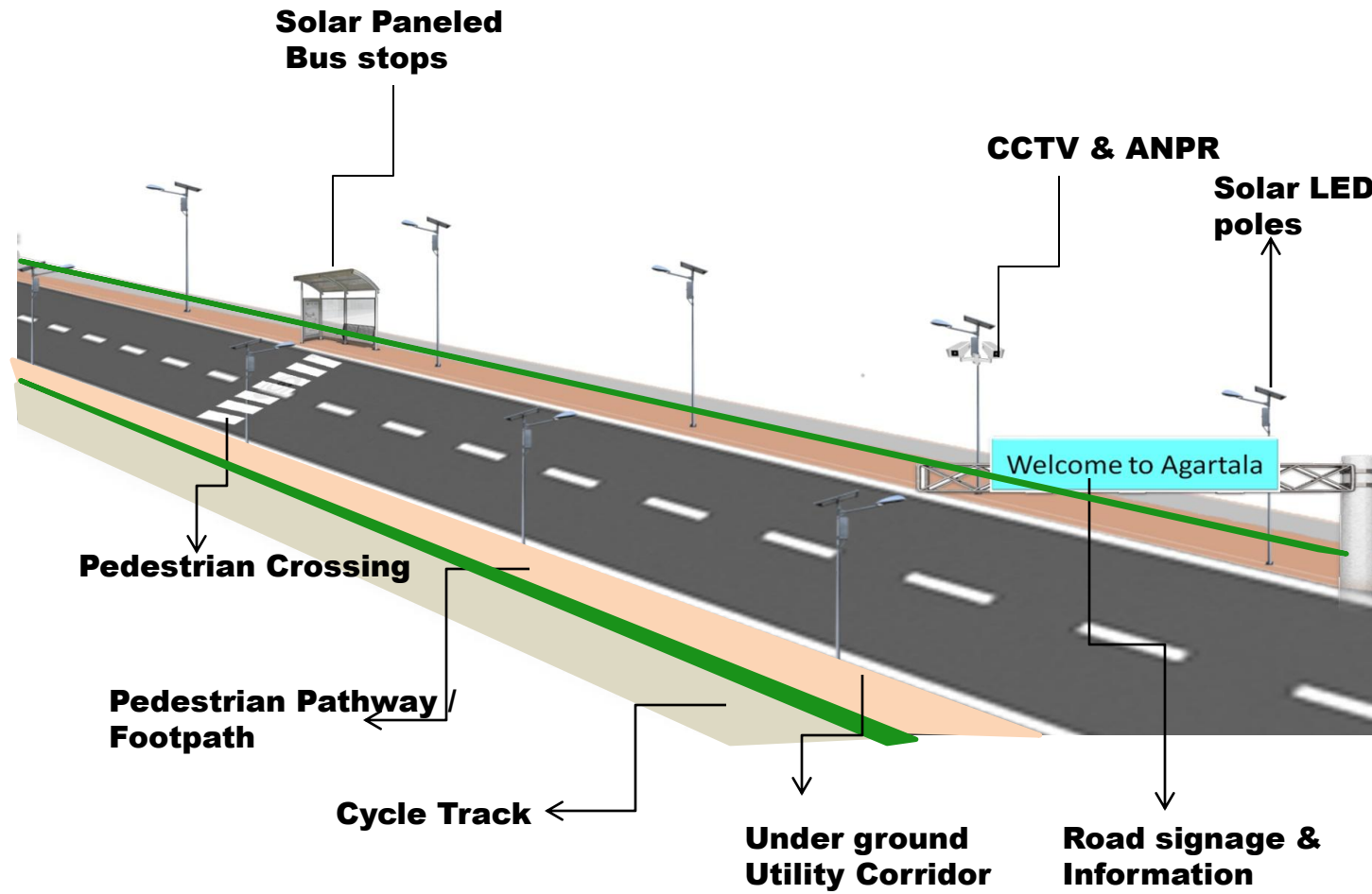
- Rejuvenation of Katakhal Channel
- Junction landscaping
- Jogging track , Pedestrian walkways & Recreational activities
- Dedicated vending zones, Bamboo and handcraft activities centre
- Organic Farming centers along Katakhal and MBB area

Components

- Organized green corridors
- Integration of green area with local streets
- Up gradation of green & sport facilities
- Pedestrian friendly intersections
- Integration of economic and social activities



Proposed Improvements



Hapania Solar Farm

As a solar city to enhance the solar energy the local Govt is proposing solar farm at Hapania

- Location:- **Hapania**
- Site Area: - **27 Acre**
- Potential Energy Generation- **5-7 MW**
- Covering **10,000 Households**



Septage Management System

- Sewerage project is being taken up in North Zone
- Central Zone of the city is covered under septage management
- No sewerage in East and south zone



Proposed Project

Proposed project will cater balance areas in order to achieve 100% water supply coverage. The project shall be undertaken in convergence with AMRUT and ADB.



Drinking Water Supply System

- Total Area – 76 .5 Sq.Km
- Population Density - 6251/Sqkm
- No. of Households- 90000

Present Status:

Water Supply project is being taken up in some areas of Agartala under ADB fund.

Proposed Project

Proposed project will cater balance areas in order to achieve 100% water supply coverage.

The project shall be undertaken in convergence with AMRUT.



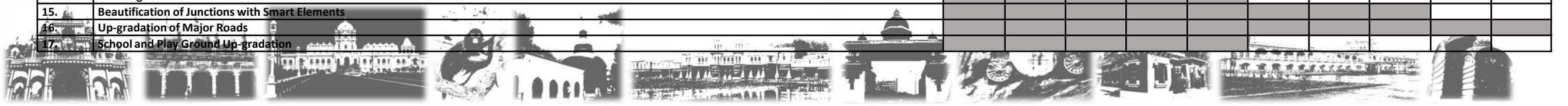
Sl. No	Activities/Component	2016		2017		2018		2019		2020	
		H1	H2	H1	H2	H1	H2	H1	H2	H1	H2
	Pan City Proposal										
A	Integrated Intelligent Transport Management System										
1.01	Modernization of Junctions, Traffic Nodes cum Safety and Security										
a	Smart Traffic Signals										
b	Installation of CCTV										
c	ANPR (Automatic No. Plate Recognizer) Cameras										
1.02	Smart Bus stop with Modern Information Systems(75 Bus Stops)										
a	Bus Shops										
b	Passenger Information System (PIS)										
1.03	Passenger Information System (PIS) in Different Locations										
1.04	Vehicular Monitoring System (VMS) (5000 Auto and E-Rickshaws)										
a	Installation of GPS (Global Positioning System) in Auto Rickshaw and E-Rickshaw										
b	General Packet Radio Service (GPRS)										
1.05	Electronic Ticketing Machine (ETM)										
1.06	Integrated Control and Operation Center										
1.07	City Wide Wifi (83 Locations)										
1.08	Optical Fiber Cable (102 km)										
1.09	Signages										
1.10	Bus Stand cum Depot Infrastructure										
b	Depot Area										
c	Commercial Component (Shops)										
1.11	Information and Communication System										
B	Hapania solar farm (under PPP)										
C	Septage Management System(under Convergence with ADB)										
D	Water Supply(under Convergence with AMRUT/ ADB)										

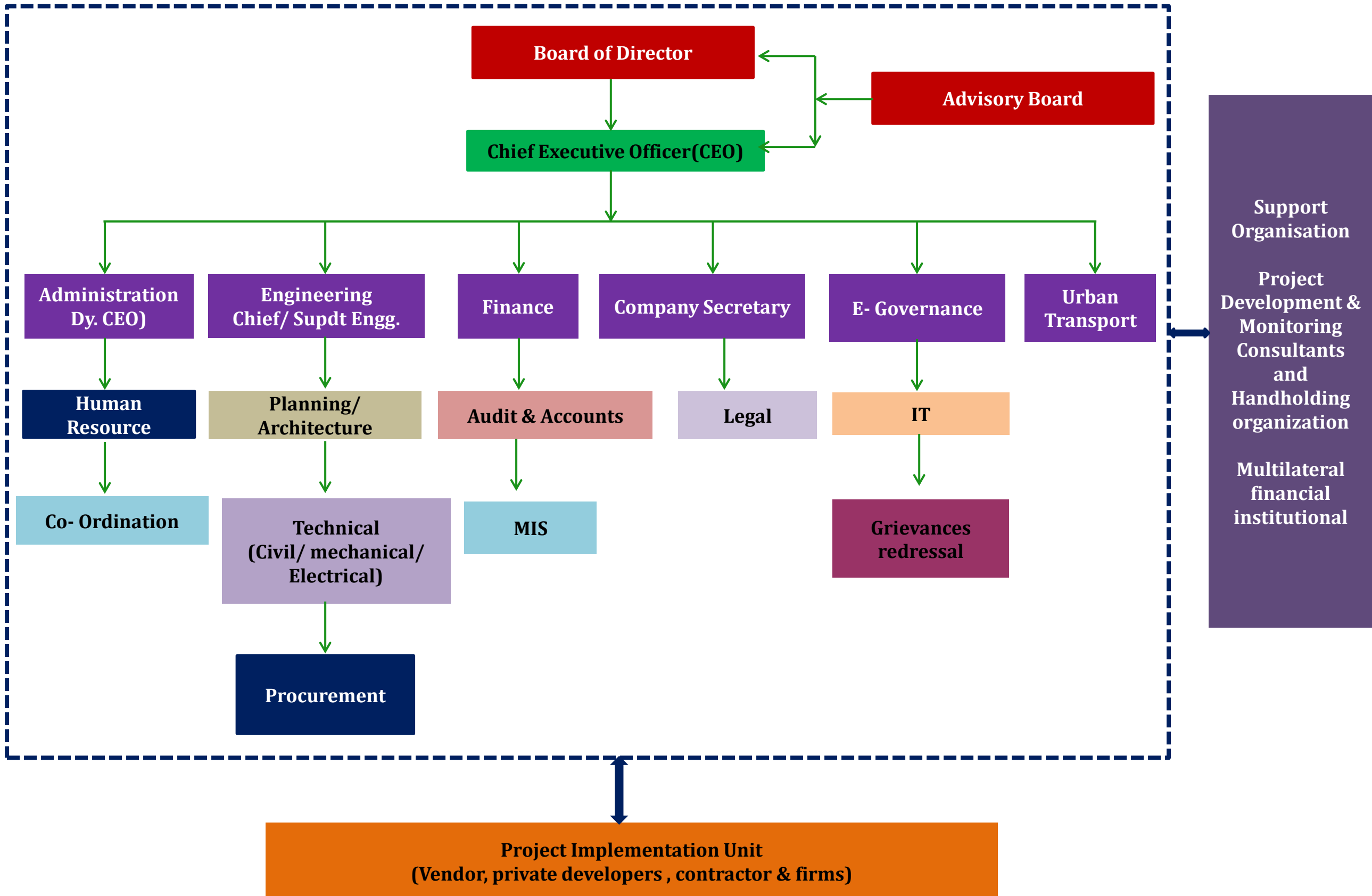


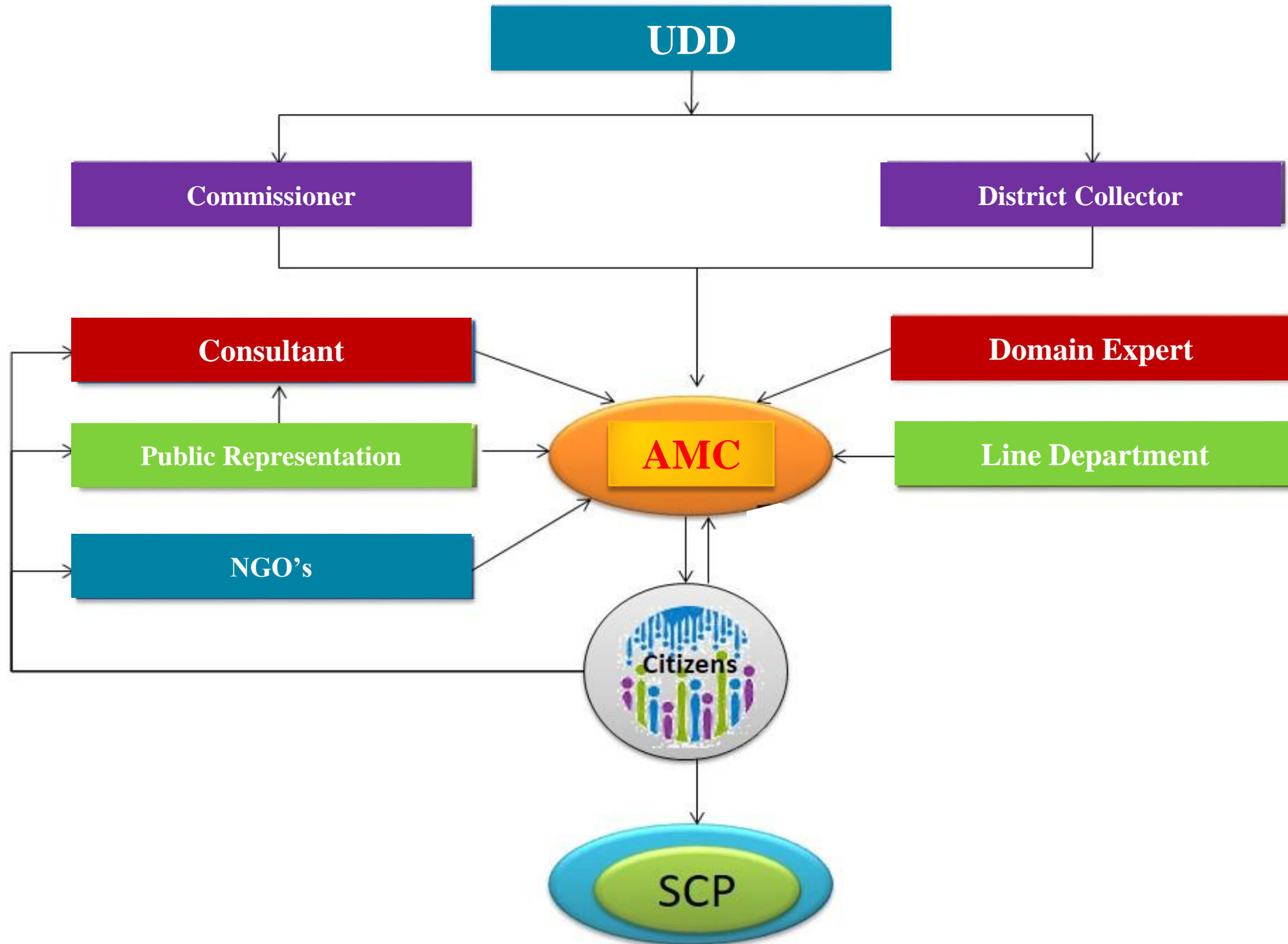
Project Implementation Plan



Sr. No	Activities/Component	2016		2017		2018		2019		2020	
		H1	H2	H3	H4	H5	H6	H7	H8	H9	H10
Area Based Development											
1.	Redevelopment of Akhura Gol Chkkar Area (32 Acres)										
1	Commercial, Trade and Recreational Hub (5.5 Acres)										
a	Tender Process & Selection of Successful Bidder										
b	Creation of External Utility Network										
c	Creation of Internal Utility Network										
d	Construction of Tower										
e	Installation of Smart Features										
2	Mixed Housing Development (1270 Houses at 5 Acres)										
a	Slum Notification										
b	Consent from at least 75% Slum Dwellers										
c	Tender Process & Selection of Successful Bidder										
d	Temporary Relocation of Slum Dwellers										
e	Creation of External Utility Network										
f	Creation of Internal Utility Network										
g	Construction of Residential Units										
h	Construction of Other Amenities										
i	Installation of Smart Features										
3	Logistic Hub (2.5 Acres)										
4	Skill Development Center including center of excellence/finishing schools										
5	Community Center										
2.	Utility Corridor (54 Kms)										
a	Removal of existing and old utilities/power lines.										
b	Construction of concrete trenches										
c	Laying of utilities/STP/WTP/Sub-stations/OFC Cables/Gas lines/recycle water.										
3.	Katakakal Channel Rejuvenation (2.5 km)										
a	Cleaning and Dragging										
b	Construction of Embankment Walls										
c	Concrete sloping wall with rock filling										
d	Pathways cum Footpath										
e	Cycle Tracks										
f	Street Furniture and Night Illumination										
g	Hard and Soft Landscaping										
h	Open Air Theater/Eating Joint										
4.	MBB College Lake Revitalization (23.89 Acres)										
a	Construction of Embankment Walls										
b	Concrete sloping wall with rock filling										
c	Pathways cum Footpath										
d	Cycle Tracks										
e	Street Furniture and Night Illumination										
f	Hard and Soft Landscaping										
g	Open Air Theater/Eating Joint										
h	Dragging and Resurfacing										
5.	Smart Multi-Level Car Parking (2 Locations, GB Area and Old Motor Stand)										
a	Parking Zone (Approx. 600 Parking Space)										
b	Commercial Space										
6.	Digital Information Kiosk/Dashboard										
7.	App Based Tele Medical and Information System										
8.	Solar Electricity										
9.	Recharge Pit										
10.	Rainwater Harvesting										
11.	Innovative Use of Open Spaces										
12.	Innovative use of Water Bodies										
13.	Visible improvement in the Area										
14.	Sewerage Treatment Plant										
15.	Beautification of Junctions with Smart Elements										
16.	Up-gradation of Major Roads										
17.	School and Play Ground Up-gradation										







Proposal	Sl. No	Component	Total Cost (in Cr)	SCM Cost (in cr)	Convergence					Asian Developmen t Bank (in cr)	PPP/Housing Board/Out Sourcing/Beni ficary (in cr)	AMC (in cr)
					AMRUT (in cr)	MNRE (in cr)	DoNER/ MEA (in cr)	PMAY (in cr)	14th FC (in cr)			
		Pan City Proposal										
PAN CITY	A	Integrated Intelligent Transport Management System										
	1.01	Modernization of Junctions, Traffic Nodes cum Safety and Security	10.60	10.60								
	a	Smart Traffic Signals	10.00									
	b	Installation of CCTV	0.42									
	c	ANPR (Automatic No. Plate Recognizer) Cameras	0.18									
	1.02	Smart Bus stop/Shelters with Modern Information Systems	6.71	6.71								
	a	Bus Stops	2.63									
	b	Passenger Information System (PIS)	4.09									
	1.03	Passenger Information System (PIS) in Different Locations	8.17	8.17								
	1.04	Vehicular Monitoring System (VMS)	18.25	18.25								
	a	Installation of GPS (Global Positioning System) in Auto Rickshaw and E-Rickshaw	11.75									
	b	General Packet Radio Service (GPRS)	6.50									
	1.05	Electronic Ticketing Machine (ETM)	1.61	1.61								
	1.06	Integrated Control and Operation Center	12.42	12.42								
	1.07	City Wide Wifi	14.82	14.82								
	1.08	Optical Fiber Cable (102 km)	30.04	30.04								
	1.09	Signages	0.86	0.86								
			Gantry Type	0.16								
			Normal	0.70								
	1.10	Bus Stand cum Depot Infrastructure	9.25									
b	Depot Area	6.00		6.00								
c	Commercial Component (Shops)	3.25								3.25		
1.11	Information and Communication System	10.00	10.00									
		Total Cost	122.73	113.48	6.00	-	-	-	-	3.25	-	
B	Hapania solar farm (under PPP)	40.00								40.00		
C	Septage Management System(under Convergence with ADB)	13.50							13.50			
D	Water Supply(under Convergence with AMRUT/ ADB)	290.50			178.5				112			
E	Sub-Total	466.73	113.48	184.50	-	-	-	-	125.50	43.25		



Itemized Cost

Annexure 3 Exhibit 18
Question no. 37,38



Propo sal	Sl. No	Component	Total Cost (in Cr)	SCM Cost (in cr)	Convergence					Asian Development Bank (in cr)	PPP/Housing Board/Out Sourcing/ Beneficiary (in cr)	AMC (in cr)
					AMRUT (in cr)	MNRE (in cr)	DoNER/ MEA (in cr)	PMAY (in cr)	14th FC (in cr)			
		Area Based Development										
Area Based Development	1	Redevelopment of Akhura Gol Chakkar Area										
	1	Commercial, Trade and Recreational Hub	257.00								257.00	
	2	Mixed Housing Development	295.00					6.68			278.33	10.00
	3	Skill Development Center including center of excellence/finishing schools	18.00	18.00								
	4	Community Center	2.00	2.00								
	5	Logistic Hub	19.80	3.00							16.80	
	2	Utility Trench	333.95	333.95								
	3	Katakall Channel Rejuvenation	70.00	70.00								
	4	MBB College Lake Revitalization	85.00	85.00								
	5	Smart Multi-Level Car Parking	91.44	3.90							87.54	
	6	Digital Information Kiosk/Dashborad	1.00	1.00								
	7	App Based Tele Medical and Information System	1.00	1.00								
	8	Solar Electricity	12.45			3.74					8.72	
	9	Rechare Pit	48.57	48.57								
	10	Rainwater Harvesting	30.23	30.23								
	11	Innovative use of open spaces	21.53	8.53	13.00							
	12	Innovative use of Water Bodies	30.00	30.00								
13	Visible improvement in the Area	41.25	41.25									
14	Sewerage Treatment Plant	17.00				17.00						
15	Beautification of Junctions with Smart Elements	9.42	9.42									
16	Upgradation of Major Roads along with Pathways & Cycle Tracks	130.00	130.00									
17	School and Play Ground Upgrdation	7.00						7.00				
F	Sub Total	1521.63	815.84	13.00	3.74	17.00	6.68	7.00	0.00	648.38	10.00	
G	A&OE	69.98	69.98									
E	PAN City Proposal Cost	466.73	113.48	184.50	0.00	0.00	0.00	0.00	125.50	43.25	0.00	
H	Total SCP Cost	2058.34	999.30	197.50	3.74	17.00	6.68	7.00	125.50	691.63	10.00	

Total SCP (Smart City Proposal) Cost (in Cr)	SCM (in cr)	Through Convergence (in cr)	ABD (Asian Development Bank) (in cr)	PPP/Housing Board/Out Sourcing/Beneficiary (in cr)	AMC Contribution (in cr)
2058.34	999.3	231.91	125.5	691.63	10



O&M Cost Recovery

Annexure 3 Exhibit 19
Question no. 41



Proposal	Sl. No	Component	O & M/year (in Cr)	Recovery of O&M/year (in cr)	Remarks
		Pan City Proposal			
PAN CITY	1	Integrated Intelligent Transport Management System			
	1.01	Modernization of Junctions, Traffic Nodes cum Safety and Security	1.06	0.50	From Advertisements
	1.02	Smart Bus Stop with Modern Information Systems	0.67	1.35	From Advertisements
	1.03	Passenger Information System (PIS) in Different Locations	0.82	0.82	Generated Revue will go to TUTCL and O&M will taken care them
	1.04	Vehicular Monitoring System (VMS)	1.82	1.20	From Advertisements
	1.05	Electronic Ticketing Machine (ETM)	0.16	0.16	Generated Revue will go to TUTCL
	1.06	Integrated Control and Operation Center	1.24	-	-
	1.07	City Wide Wifi	1.48	1.48	O&M will be taken care by Telecom operator
	1.08	Optical Fiber Cable (102 km)	-	1.50	1.5 cr Concessionaire Fees
	1.09	Signages	0.09	0.50	From Advertisements
	1.10	Bus Stand cum Depot Infrastructure			
	b	Depot Area	0.60	-	-
	c	Commercial Component (Shops)	0.03	0.03	O&M will be taken care by the tenants
	1.11	Information and Communication System			-
			Total Cost	7.98	7.54
B		Hapania solar farm (under PPP)	0.40	0.40	
C		Septage Management System(under Convergence with ADB)	0.01	0.01	Borne By PPP
D		Water Supply(under Convergence with AMRUT/ ADB)	2.91	2.91	Borne By PPP
A		Sub Total Pan City	11.29	10.86	Borne By PPP
		Area Based Development			
Area Based Development	1	Redevelopment of Akhura Gol Chakkar Area			
	a	Commercial, Trade and Recreational Hub	2.57	4.68	Surplus from parking essentially, O&M being borne by end users/ tenants
	b	Mixed Housing Development	2.95	2.95	O&M being borne by residents of the complex
	c	Skill Development Center including center of excellence/finishing schools	0.90	0.90	User Fees
	d	Community Center	0.20	0.20	User charges
	e	Logistic Hub	0.20	2.50	Truck parking and warehousing charges
	2	Utility Trench	3.34	1.00	User fee; AMC budget
	3	Katakall Channel Rejuvenation	0.70	0.70	User fee; AMC budget
	4	MBB College Lake Revitalization	0.85	0.85	AMC budget
	5	Smart Multi-Level Car Parking	0.91	2.77	From Parking
	6	Digital Information Kiosk/Dashborad	0.10	0.10	O&M taken care by Advertisement
	7	App Based Tele Medical and Information System	0.10	0.10	O&M taken care by app developer
	8	Solar Electricity	1.25	1.25	O&M taken care by end users etc.
	9	Rechare Pit	0.49	0.49	Property Tax amd RWA
	10	Rainwater Harvesting	0.30	0.30	O&M taken care by end users etc.
	11	Innovative use of open spaces	1.08	1.00	O&M taken care by end users etc.
	12	Innovative use of Water Bodies	1.50	2.00	User Charges
13	Visible improvement in the Area	0.41	1.00	O&M taken care by Advertisement etc.	
14	Sewerage Treatment Plant	0.85	0.85	O&M taken care by end users etc.	
15	Beautification of Junctions with Smart Elements	0.94	0.94	User charges	
16	Upgradation of Major Roads along with Pathways & Cycle Tracks	1.30	0.00	AMC	
17	School and Play Ground Up gradation	0.70	1.00	User Charges	
SCP	B	Sub Total Area Based Development	21.64	25.58	
	A	Sub Total PAN City	11.29	10.86	
	D	Total SCP Cost	32.93	36.44	

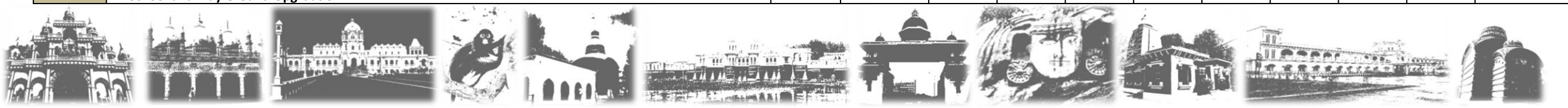


Financial Timelines



Sl. No	Activity/Component	2016		2017		2018		2019		2020		Total Cost
		H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	
	Pan City Proposal	(in Cr)	(in Cr)	(in Cr)	(in Cr)	(in Cr)	(in Cr)	(in Cr)	(in Cr)	(in Cr)	(in Cr)	(in Cr)
A	Integrated Intelligent Transport Management System											
1.01	Smart Traffic Signals, CCTV cameras and APNR cameras	2.65	2.65	2.65	2.65							10.60
1.02	Smart Bus stop with Modern Information Systems(75 Bus Stops)	1.34	1.34	1.34	1.34	1.34						6.71
1.03	Passenger Information System (PIS) in Different Locations	2.04	2.04	2.04	2.04							8.17
1.04	Vehicular Monitoring System (VMS) (5000 Auto and E-Rickshwas)	4.56	4.56	4.56	4.56							18.25
1.05	Electronic Ticketing Machine (ETM)	0.40	0.40	0.40	0.40							1.61
1.06	Integrated Control and Operation Center	6.21	6.21									12.42
1.07	City Wide Wifi (83 Locations)		4.94	4.94	4.94							14.82
1.08	Optical Fiber Cable (102 km)	5.01	5.01	5.01	5.01	5.01	5.01					30.04
1.09	Signages	0.29	0.29	0.29								0.86
1.10	Bus Stand cum Depot Infrastructure											9.25
1.11	Information and Communication System	2.50	2.50	2.50	2.50							10.00
B	Hapania solar farm (under PPP)		6.67	6.67	6.67	6.67	6.67	6.67				40.00
C	Septage Management System(under Convergence with ADB)	2.70	2.70	2.70	2.70	2.70						13.50
D	Water Supply(under Convergence with AMRUT/ ADB)	36.31	36.31	36.31	36.31	36.31	36.31					290.50

	Area Based Development	(in Cr)	(in Cr)	(in Cr)	(in Cr)	(in Cr)	(in Cr)	(in Cr)	(in Cr)	(in Cr)	(in Cr)	(in Cr)
1	Redevelopment of Akhura Gol Chkkar Area											
1	Commercial, Trade and Recreational Hub (5.5 Acres)	42.8	42.8	42.8	42.8	42.8	42.8					257
2	Mixed Housing Development (1270 Houses at 5 Acres)	49.2	49.2	49.2	49.2	49.2	49.2					295
3	Logistic Hub (2.5 Acres)	3.3	3.3	3.3	3.3	3.3	3.3					20
4	Skill Development Center including center of excellence/finishing schools	3.0	3.0	3.0	3.0	3.0	3.0					18
5	Community Center	0.3	0.3	0.3	0.3	0.3	0.3					2
2	Utility Corridor (54 Kms)	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	334
3	Katakak Channel Rejuvenation (2.5 km)	11.7	11.7	11.7	11.7	11.7	11.7					70
4	MBB College Lake Revitalization (23.89 Acres)	14.2	14.2	14.2	14.2	14.2	14.2					85
5	Smart Multi-Level Car Parking (2 Locations, GB Area and Old Motor Stand)	15.2	15.2	15.2	15.2	15.2	15.2					91
6	Digital Information Kiosk/Dashboard	0.5	0.5									1
		0.5	0.5									1
7	App Based Tele Medical and Information System											
8	Solar Electricity	2.1	2.1	2.1	2.1	2.1	2.1					12
		6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1			49
9	Recharge Pit											
10	Rainwater Harvesting	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8			30
11	Innovative use of Open Spaces	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7			22
12	Innovative use of Water Bodies		4.3	4.3	4.3	4.3	4.3	4.3	4.3			30
13	Visible improvement in the Area	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	41
14	Sewerage Treatment Plant	3.4	3.4	3.4	3.4	3.4						17
15	Beautification of Junctions with Smart Elements	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2			9
16	Upgradation of Major Roads	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	130
17	School and Play Ground Upgradation	1.4	1.4	1.4	1.4	1.4						7



ANNEXURE 4

Annexure 4.1

**Covering letter regarding submission of
Smart City Proposal for Agartala, Tripura
under fast track**

Government of Tripura
Department of Urban Development
Tripura, Agartala

No. F.16 (30)/UDD/DUD/2014(P)/ 385-89

Dated, Agartala the April 19, 2016

To
Dr Sameer Sharma, IAS
Additional Secretary (Smart Cities)
Ministry of Urban Development,
Nirman Bhawan, New Delhi-110011.

Reference: K-15016/157/2015-SC-I dated 10 February 2016

Subject: Submission of Smart City Proposal for Agartala, Tripura under Fast Track.

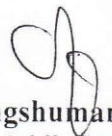
Sir,

This is regarding submission of revised Smart City Proposal for Agartala, Tripura. I am directed to inform you that the State Level High Power Steering Committee (SHPS) in its meeting held on 18 April 2016 has approved the proposal for submission to Ministry of Urban Development, Government of India.

2. It is requested to consider the proposal under Fast Track on 90:10 funding pattern as per MoUD's OM No. 1455/FD-II/FD/2016 dated 16.02.2016. This has also been recommended by State Level High Power Steering Committee.

Yours faithfully,

Encl: As stated


[Angshuman Dey]
Director & Addl. Secretary
to the Government of Tripura
(Ph. 0381-2314522)

Copy to:

1. PS to Minister, UD for kind information of the Hon'ble Minister.
2. PS to Chief Secretary, Tripura for kind information of Chief Secretary.
3. Principal Secretary (UD) for kind information.
4. Municipal Commissioner, Agartala Municipal Corporation

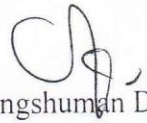
Annexure 4.2

**Minutes of meeting of State Level High
Powered Steering Committee dated: 18
April 2016.**

Minutes of the Meeting of State Level High Powered Steering Committee Dated 18 April 2016

A meeting of the State Level High Powered Steering Committee (SHPSC) to consider the revised Smart Cities Proposal for Agartala was held on 18th April 2016 (5:00 pm) at Conference Hall No. I of Secretariat Building, Agartala. The list of participants is annexed.

2. Director (UD) made a power point presentation on the revised Smart City Proposal for Agartala prepared as per the Mission guidelines, implementation structure for the smart city plans and overview of smart city proposals.
3. After detailed discussion and review, the Committee approved the proposal for submission to Ministry of Urban Development, Government of India for participating in Smart City challenge under Fast Track. It was also recommended that Ministry of Urban Development may also be requested to consider the funding pattern on 90:10 basis instead of 50:50 basis, as all Core Schemes have funding pattern of 90:10 basis for North Eastern States and Himalayan State.
4. The Committee also decided to direct the Departments to converge financial and human resources under relevant schemes and projects as per the Smart City Proposal and to incorporate the same into their annual plans.
5. The Committee directed departments to cooperate and extend support for operationalisation of SPV and for delegation of powers to SPV for implementation of smart city plan and accordingly sign MoUs with Agartala Municipal Corporation.
6. The meeting ended with vote of thanks to the Chair.



[Angshuman Dey]

Director (UD) & Addl Secretary
to the Govt of Tripura

**Government of Tripura
Urban Development Department**

NO. F. 16(30) UDD/ DUD/2014(P)/ 372 - 84

Dated April 19, 2016

Copy to :

1. Chief Secretary, Tripura – Chairperson.
2. Mayor, Agartala Municipal Corporation- Invitee Member
3. Principal Secretary, Finance - Member
4. Principal Secretary, Planning (P&C) - Member
5. Principal Secretary (UD) – Mission Director (Member-Secretary)
6. Representative of Govt.of India - Member
7. Principal Secretary, PWD(DWS) - Member
8. Secretary, Transport- Member
9. Chief Engineer, PWD (R&B) - Member
10. Chief Engineer, PWD (DWS) - Member
11. Municipal Commissioner, Agartala Municipal Corporation - Member
12. CMD, Tripura State Electricity Corporation Ltd.-Invitee.
13. Chief Executive Officer, Tripura Housing & Construction Board- Invitee.

**List of participants in the meeting of the State Level High Powered Steering Committee Dated
18th April 2016**

1. Shri Y.P Singh, IAS, Chief Secretary, Tripura- In Chair.
2. Dr.G S G Ayyangar, IAS, Principal Secretary, Finance Department.
3. Shri Lok Ranjan, IAS, Principal Secretary, PWD etc.
4. Shri Samarjit Bhowmik, IAS, Secretary, Transport Department.
5. Shri Angshuman Dey, IFS, Director & Addl Secretary (UD)
6. Shri Milind Ramteke, IAS, Municipal Commissioner, Agartala.
7. Shri B.P Das, Chief Engineer (UD)
8. Shri Narayan Ch. Das, Chief Engineer (PWD).
9. Shri S K Ray, CMD, Tripura State Electricity Corporation Ltd.
10. Shri Bholanath Ray, SE, Drinking Water and Sanitation.
11. Shri P. Bhattacharjee, Town & Country Planner (I/C)
12. Shri Bibekananda Ray, AGM, Tripura State Electricity Corporation Ltd.



Annexure 4.3

**Resolution of Agartala Municipal Corporation
for approving Agartala Smart City Proposal
including Financial Plan and resolution of the
corporation for Setting up of Special Purpose
Vehicle(SPV)**



AGARTALA MUNICIPAL CORPORATION
AGARTALA

Resolution of Council of Agartala Municipal Corporation
(Council Meeting of Agartala Municipal Corporation- 30th March 2016, 12.30 pm)

The council meeting has been chaired by the hon'ble Mayor Agartala Municipal Corporation and attended by the hon'ble Mayor in Council members and all the hon'ble Councilors of Agartala Municipal Corporation

List of present Councilors has been attached in the annexure-A.

The council discussed in detail all the aspects of the Smart City Mission in connection with the preparation and of revised Smart City Proposal for Fast Track Upgradation of Agartala City under Smart City Mission. The revised Smart City Proposal of Agartala City shall consist of:-

Pan City Project:

A. Integrated intelligent Transport Management System.

- Smart Traffic Signals
- Installation of CCTV
- Automatic Number Plate Recognition(ANPR) cameras
- Smart bus stop
- Passenger Information System
- Installation of GPS and GPRS
- Electronic Ticketing Machine
- Integrated Control and Operation Center
- City Wide Wi-Fi
- Optical Fibre Cable
- Road Signages
- Depot Infrastructure
- Information and Communication System

B. Solar Farm (4-5 MW) on 25 acre at AMC land at Hapania (Under PPP) .

C. Septage Management System (Under Convergence).

D. Water supply system (Under Convergence)

Area based development – Retrofitting including Redevelopment of 2800 acre under Central and East Zone of Agartala Municipal Corporation

A. Redevelopment of Akhaura - Gol Chakkar Area(32.11 acre)

- Commercial, Trade and Recreational hub
- Mixed Housing Development
- Skill Development Centre
- Community Centre
- Logistic hub

B. Utility Corridor

C. Katakhal Channel Rejuvenation

D. MBB college Lake Revitalization

E. Smart Multi Level Car Parkings at Old Motor Stand and Battla

F. Digital Information Kiosk/ Dashboard


G. App Based Tele Medical and information System


H. Solar Electricity

- I. Recharge Pit**
- J. Rainwater Harvesting**
- K. Innovative use of open spaces**
- L. Innovative use of Water Bodies**
- M. Visible Improvement in the area**
- N. Sewerage treatment Plant**
- O. Beautification of junctions with smart elements**
- P. Upgradation of major roads along with pathways and Cycle tracks**
- Q. School and Playground up gradation**

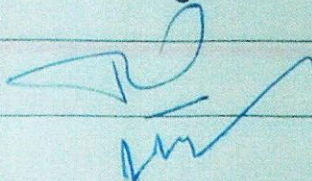
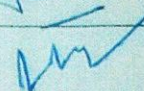
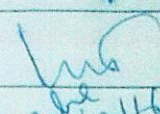
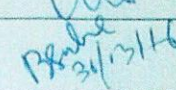
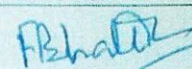
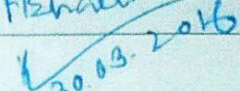

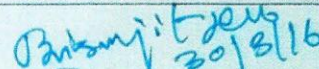

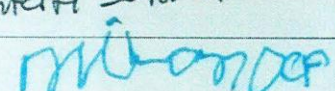
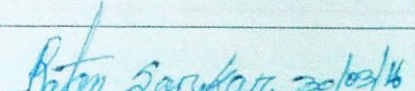
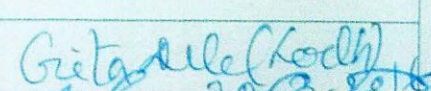
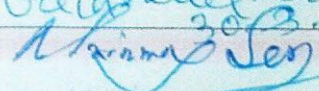
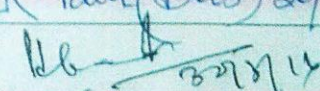
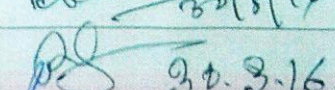
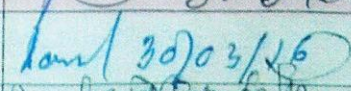
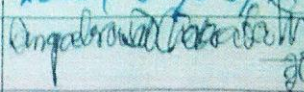
After detail discussion following resolutions were passed with full majority of the Council

- The Council gave approval for participation of Agartala City under Fast Track Up-gradation of Smart City Mission and submission of revised Smart City Proposal for Agartala City to MoUD, Government of India after due approval from the State Level High Powered Steering Committee(HPSC) by 21st April 2016.
- The Council gave approval to the revised Smart City Proposal of Rs. 2058.34 crore with the abovementioned components with Rs. 1000 crore from Smart City Mission and rest from various convergence, PPP, AMC internal revenue resources, bank loans etc which is being forwarded to the State Government for approval from State High Powered Steering Committee chaired by the Chief Secretary Tripura.
- The Council gave approval for Creation of Special Purpose Vehicle (SPV) for implementation of Smart City Proposal as per the guidelines of Smart City Mission.
- Preparation of Master Plan for Agartala City including Akhaura - Gol Chhakar area (Proposed area based development under Smart City Mission) and floating of Expression of Interest for the same shortly .
- Increase of existing FAR (Floor Area Ratio) from existing 2.5 to 3.25 in some selected areas including Redevelopment project area. Recommendation will be sent to UDD Government of Tripura from AMC for the same for necessary amendments in Tripura Building Rules 2004..
- Development of Solar Farm on 25 acres of AMC land at Hapania so as to generate 4-5 MV clean energy which will cater the need for 10 % households of the city.
- Acquisition/ Purchase of vacant land measuring 9.00 Acres at Gol Chakkar Area, Akhaura by Agartala Municipal Corporation for implementation of Area Based Development in Akhaura Gol Chakkar area.
- Rehabilitation of 105 existing Slum Dwellers of the Akhaura- Gol Chakkar Area under Area Based Development project i.e Re- development Project.

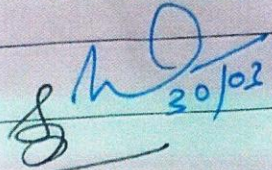
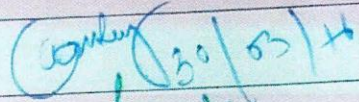
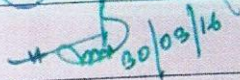
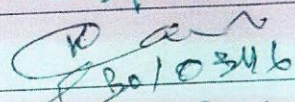
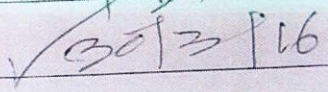
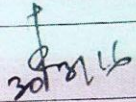
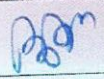
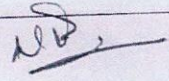
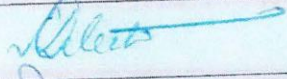
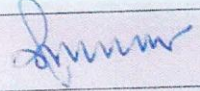
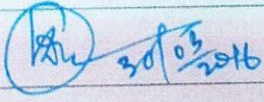
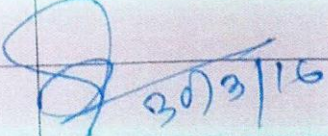

(Dr. Milind Ramteke, IAS)
Municipal Commissioner
Agartala Municipal Corporation


(Dr. Prafulla Jit Sinha)
Mayor
Agartala Municipal Corporation

COUNCIL MEETING HELD ON 30-03-2016 AT 12.30 A.M. IN THE CONFERENCE HALL AMC.

Ward No.	Hon'ble Mayor, Dy. Mayor, MIC Member's & Officer	Signature
24.	Dr. Prafullajit Sinha, Mayor, AMC	
28.	Sri Samar Chakraborty, Dy. Mayor, AMC	
40.	Sri Abhijit Bhattacharjee, MIC Member, AMC	
32.	Sri Biswanath Saha, MIC Member, AMC	 30/03/16
17.	Smt. Fulan Bhattacharji, MIC Member, AMC	
5.	Smt. Krishna Majumder, MIC Member, AMC	 30.03.2016
38.	Smt. Mithu Shil, MIC Member, AMC	 30/03/16
36.	Sri Biswajit Deb, MIC Member, AMC	 30/3/16
12.	Smt. Bulti Biswas, MIC Member, AMC	
21.	Smt. Jaya Biswas, MIC Member, AMC	Jaya Biswas. 30/03/16
1.	Smt. Jhuma Sarkar, Member, AMC	Jhuma Sarkar
2.	Smt. Smriti Sarkar, Member, AMC	Smriti Sarkar
3.	Smt. Milan Das, Member, AMC	
4.	Smt. Tanima Ghosh, Member, AMC	
6.	Sri Ratan Sarkar, Member, AMC	 30/03/16
7.	Smt. Sima Dutta Gupta, Member, AMC	Sima Dutta Gupta
8.	Sri Nimai Chandra Banik, Member, AMC	Nimai Ch. Banik
9.	Smt. Gita Deb (Lodh) Member, AMC	 30.03.2016
10.	Sri Mrinmoy Sen, Member, AMC	 30/3/16
11.	Smt. Supriti Pal, Member, AMC	Supriti Pal 30.03.16
13.	Smt. Kanika Paul (Das), Member, AMC	K. Paul (Das) 30/3/16
14.	Sri Haripada Chakraborty, Member, AMC	 30/3/16
15.	Smt. Ratna Sutradhar, Member, AMC	 30.3.16.
16.	Sri. Kamalesh Paul, Member, AMC	 30/03/16
18.	Sri Durga Prasad Chakraborty, Member, AMC	 30/3/16
19.	Smt. Aparupa Debbarma, Member, AMC	Aparupa Debbarma

20.	Smt. Ratna Datta, Member,AMC	<i>Ratna Datta</i> 30/3/16
22.	Smt. Himani Debbarma, Member,AMC	<i>Himani Debbarma</i> 30/3/16
23.	Smt.Uma Chanda(Deb) Member,AMC	<i>Uma Chanda</i> 30-3-16
25.	Smt.Aparna Debnath (Roy) Member,AMC	<i>Aparna Debnath</i> 30-3-16
26.	Smt.Kalpana Hrishid Das, Member,AMC	<i>Kalpana Hrishid Das</i>
27.	Sri Susanta Das, Member,AMC	<i>Susanta Das</i> 30/3/2016
29.	Smt.Soma Biswas, Member,AMC	<i>Soma Biswas</i>
30.	Sri Prabodh Chandra Das, Member,AMC	<i>Prabodh Ch. Das</i>
31.	Smt. Maya Rani Saha (Roy), Member,AMC	<i>Maya Roy</i> 30-3-16
33.	Smt. Mira Biswas, Member,AMC	
34.	Sri Malay Chakraborty, Member,AMC	<i>Malay Chakraborty</i> 30/03/16
35.	Smt.Gargee Ghosh, Member,AMC	<i>Gargee Ghosh</i> 30/3/16
37.	Sri Dipankar Das, Member,AMC	<i>Dipankar Das</i> 30/3/16
39.	Smt.Sampa Sarkar (Choudhuri),Member,AMC	<i>Sampa Sarkar (Choudhuri)</i>
41.	Smt. Gita Debnath, Member,AMC	<i>Gita Debnath</i> 30/3/2016
42.	Smt.Bithika Pal (Das), Member,AMC	<i>Bithika Pal Das</i> 30.3.16
43.	Sri Biplab Kanti Bhowmik, Member,AMC	<i>Biplab Kanti Bhowmik</i> 30/3/16
44.	Smt.Swapna Nath, Member,AMC	<i>Swapna Nath</i>
45.	Sri Mrinal Kanti Biswas, Member,AMC	<i>Mrinal Kanti Biswas</i> 30-3-16
46.	Smt.Rubi Pal(Deb Choudhury) Member,AMC	<i>Rubi Pal (Deb Choudhury)</i>
47.	Sri Biswajit Biswas, Member,AMC	<i>Biswajit Biswas</i>
48.	Sri Dhanamani Sinha, Member,AMC	
49.	Sri Tapan Biswas, Member,AMC	<i>Tapan Biswas</i>
50.	Sri Shyamal Dey	
51.	Sri Bipad Bandhu Hrishidas	<i>Bipad Bandhu Hrishidas</i>
52.	Md. Fazlur Rahaman	<i>Md. Fazlur Rahaman</i> 30/3/16
53.	Sri Bimal Rudra Paul	<i>Bimal Rudra Paul</i>
54.	Sri Chand Mohan Saha	<i>Chand Mohan Saha</i>

SL. No.	NAME OF THE OFFICERS	SIGNATURE
1.	Municipal Commissioner,AMC	 30/02/16
2.	Dy.CEO,/OSD(Adm.)	
3.	Supdt.Engineer,AMC	
4.	DDO,/OSD(Project/Dev)AMC.	
5.	Executive Officer,C/Z,AMC	
6.	Executive Officer,N/Z,AMC	 30/03/16
7.	Executive Officer,S/Z,AMC	 30/03/16
8.	Executive Officer,E/Z,AMC	 30/03/16
9.	Health Officer,AMC	 30/3/16
10.	Executive Engineer,Divn-I,AMC	
11.	Executive Engineer,Divn-II,AMC	 30/3/16
12.	Executive Engineer,Divn-III,AMC	 30/3/16
13.	Executive Engineer,Divn-IV,AMC	
14.	Executive Engineer,Planning Division,AMC	 30/3/16
15.	Executive Engineer(Mech.)AMC	 30/3/16
16.	Executive Engineer,(Elect.)AMC	 30/3/16
17.	AE,Divn.I,AMC	
18.	AE,Divn.II,AMC	
19.	AE,Divn.III,AMC	
20.	AE,Divn.IV,AMC	 30/03/2016
21.	AE,Planning Divn.,AMC	
22.	AE,Electrical.AMC	
23.	Accounts Officer,AMC	 30/3/16

Annexure 4.4

Office Memorandum regarding Smart City Proposal, Agartala for inclusion of Tripura Housing and Construction Board as implementing Agency for Infrastructure related projects

Government of Tripura
Department of Urban Development
3rd Floor, Khadya Bhawan, P.N.Complex,
Agartala, Tripura

No.F.16 (30)-UDD/DUD/2014(P)/ 360-66 .

Dated, Agartala April 19, 2016


OFFICE MEMORANDUM

This is regarding proposal vide No.1(24)/MC/CON/TSB-Smart City/2016 dated 2 April 2016 of Agartala Municipal Corporation (AMC) for inclusion of Tripura Housing and Construction Board (THCB) under Public Works Department as implementing agency for various infrastructure related projects under Smart City Mission Projects for the proposed Agartala Smart City.

2. It is seen that certain components of the revised Smart City proposal for Agartala such as mixed housing development, business cum commercial hub, logistic hub, smart multi level car parking, etc. would require substantial investment for which resources available as central assistance under Smart City Mission may not be available. However, as the prospect of private investment/ PPP is limited for a State like Tripura having disadvantaged geographical location, participation of Tripura Housing Board is one of the feasible options for implementation of such components.

3. The matter was also discussed in a meeting held on 5 April 2016 at 11:30 am in Conference Hall No. I of Civil Secretariat, Agartala and with the approval of competent authority, it has been decided that participation of THCB in implementation of the components under Smart City Mission would be a better option. Necessary action may be taken accordingly.

4. This issues with the approval of competent authority.


[Angshuman Dey]
Addl. Secretary to the
Government of Tripura

To
Municipal Commissioner,
Agartala Municipal Corporation.

Copy to:

1. PS to Minister, PWD for kind information of the Hon'ble Minister.
2. PS to Minister, UDD for kind information of the Hon'ble Minister.
3. Principal Secretary to Chief Minister, Tripura for kind information.
4. Principal Secretary, PWD for kind information.
5. Principal Secretary, UDD for kind information.
6. CEO, Tripura Housing and Construction Board for information please.

Annexure 4.5

**No objection certificate from DM &
Collector regarding 23.11 acre
Government Khas land at Akhaura Gol
Chakkar area**

GOVERNMENT OF TRIPURA
OFFICE OF THE DISTRICT MAGISTRATE & COLLECTOR
WEST TRIPURA DISTRICT,
AGARTALA, TRIPURA
(Revenue Section)

No.F.1(2)-DM/W/REV/2016/394

Dated 19-04-2016

NO OBJECTION CERTIFICATE

'No Objection Certificate' is issued on the behalf of the Government of Tripura to Agartala Municipal Corporation for use of 23.11 acre Khas Land (Government Land) for Area Based Development (ABD) i.e Re-Development at Akhaura Gol-Chakkar area in Agartala City under West Tripura District under Smart City Mission.


19/04/16

(Dr. Milind Ramteke, IAS)
District Magistrate & Collector,
West Tripura District.
Agartala, Tripura

To
The Municipal Commissioner,
Agartala Municipal Corporation,
Agartala.

Copy to

- Dy Secretary, Revenue Department Government of Tripura for kind information

Annexure 4.6

**No objection certificate from Airport
Authority of India**



भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India



AAI/AT/OPN/312/ २११

O/o. the D.M. & Collector,
West Tripura.
CENTRAL RECEIVED
Dated :
Section :

Date 11/04/2016

To,

The District Magistrate & Collector,
West District, Tripura
Govt. of Tripura,
Agartala.

Sub : Regarding No-Objection Certificate for construction of high rise residential & commercial complexes in and around Akhaura-Gol Chakkar area under Area Based development(Redevelopment) Project under Smart City Mission.

Sir,

In reference to your letter No. F.1(4)/MC(Conf)/AMC/2015/2609-11 dated 7th April. 2016 on the above subject, it is to inform that the G+8/9 buildings in the mentioned area may not cause obstruction to airport operations but as per rules, NOC should be applied by individual/Builders/Department for every building/block within a radius of 20 Kms from Aerodrome reference point of Agartala Airport. The application can be applied online through AAI portal(NOCAS) and the hard copy needs to be submitted to the office of Airport Director(AAI) Agartala Airport. The document are checked and forwarded to RHQ, Guwahati for final scrutiny and the NOC is issued from there within a month.

Thanking you,

Yours faithfully,

S.D. Barman
11/04/16
[S.D. Barman]
Airport Director

Mp
[Milind Ramteke, IAS]
District Magistrate & Collector
West Tripura District, Agartala.

Annexure 4.7

Supporting document for Sewerage Treatment Plant

I/ii/202/01/2015
Ministry of External Affairs
(BM Division)

11
50

Room No. 146-B, South Block
New Delhi
Date: 11-11-2014

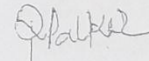
OFFICE MEMORANDUM

This refers to the issue of pollution of a stream flowing out of the city of Agartala into Bangladesh near the Agartala ICP.

2. Bangladesh has been raising the issue of pollution of this stream for some time now and has been requesting that an Effluent Treatment Plant (ETP) be set up to treat the waters of this stream before it enters Bangladesh. Bangladesh has alleged that as the stream is getting polluted by the effluents being disposed into the stream in India, it is India's responsibility to ensure that the rights of the lower riparian of the waters of common rivers are protected.

3. This matter has been discussed during the 14th Home Secretary level talks held between India and Bangladesh from 19-23 July 2013 in New Delhi. During the talks, Home Secretary of India had agreed that an ETP would be set up for waste water treatment near the Agartala ICP in Tripura. The matter has not moved forward since then and Bangladesh has been repeatedly raising this issue in all bilateral talks with India.

4. I would therefore request you to kindly give personal attention to this matter for expeditious implementation of an assurance already conveyed to Bangladesh at the level of Home Secretary of India.



(Pratibha Parkar)
Director (BM)

Ph: 23013830, Fax: 23014808
Email: dirbm@mea.gov.in

To

Shri Shambhu Singh
Joint Secretary (NE),
Ministry of Home Affairs,
North Block, New Delhi.

F.No.11017/21/2013-BM-III
Government of India
Ministry of Home Affairs
Department of Border Management

NDCC-II Building, Jai Singh Road, New Delhi.
Dated 27.03.2015

To,
The Chief Secretary,
Government of Tripura,
Agartala.

Subject:- Establishment of an Effluent Treatment Plant(ETP) in India at Akhaura-
Agartala ICP, Tripura- Reg.

Sir,

I am directed to refer to MEA's D.O. No.838/JS(BM)/2015 dated 10.03.2015 on the subject mentioned above (copy enclosed). During the 14th Home Secretary level talks between India and Bangladesh, it was agreed that ETP would be set up near the Agartala ICP on India side.

2. MEA has stated that the instant issue that has been raised repeatedly by Bangladesh which has alleged that the stream is being polluted by the effluents that are flowing in the stream in India and this is impacting the lives of people who are using this stream after it enters in Bangladesh. However, till date no progress has been made since then.

3. It is learnt that during the Joint Border Conference held on 3-4 July, 2013, Agartala, between the District Magistrate and Collector, West Tripura (India) and the Deputy Commissioner and District Magistrate, Brahmanbaria (Bangladesh), Bangladesh side raised concern over flow of toxic waste from Indian Side to Bangladesh and requested for construction of an Effluent Treatment Plant(ETP) on Indian side. During the meeting, the DM, West Tripura assured that the issue has already been taken up on priority by the Agartala Municipal Council which would start construction of ETP in near future.

4. In view of the above, it is requested that this Ministry may be apprised of the progress made in this regard.

Yours faithfully,

Encl: As above

Vikas Srivastava
(Vikas Srivastava)
Under Secretary (BM-III)
Ph: 23438157

Copy to:-

IG(Ops), BSF, CGO Complex, Lodhi Road, New Delhi with the request co-ordinate with the State Government of Tripura for the execution of the said project.

Copy for information to:- JS(BM), MEA, South Block, New Delhi.

ISSUED with Encl
27/3/15

Annexure 4.8

Supporting document for Septage Management Plan

No. Q-14014/06/2015-CPHEEO
Government of India
Ministry of Urban Development
CPHEEO

**Technical Appraisal Report (TAR)
(Septage Management)**

1	Proposal	Procurement of Equipments for Collection, Transportation and Installation of Septage Treatment Plant.							
2	Name of State/UT	Tripura							
3	Name of City	Agartala (South & Central Zone)							
4	Background	In absence of any proper sanitation system for collection of sewage in the Agartala City at present (except North Zone which will soon get a proper sewerage system) other households are mainly dependent on the on-site sanitation systems like Septic tanks, leach pits etc.							
5	Present Status	<ul style="list-style-type: none"> With its present resources and fleet of vehicles, Agartala Municipal council (AMC) is not capable of providing services to the citizens for proper mechanical desludging of the septic tanks. No proper treatment system is there for treatment of collected septage for environmentally safe disposal and collected septage is dumped at the SWM site indiscriminately. <p>Collection and Transportation At present there is no structured septage management plan in AMC. They are practicing mechanical septage collection by cesspool since 2002. AMC has five cesspool (Suction type) desludging tankers at present, each of capacity 3 cubic metre. The details of the vehicles are as follows:</p> <p>a) Two nos 3000 lt. capacity Chasis mounted suction machine Procured in 2002</p> <p>b) Two nos 3000 lt. capacity Chasis mounted suction machine Procured in 2014</p> <p>c) One no. 3000 Lt. capacity Split type Suction machine procured in 2014.</p> <p>Treatment and Disposal Presently Septage is dumped in the landfill site at Debendra Nagar without any treatment.</p>							
6	Whether CDP is prepared	Yes							
7	Service benchmark level as proposed.	Zones	Projected Population		Projected No. of Households		Projected No. of Septic Tanks		Septic Tank Coverage
			2016	2026	2016	2026	2016	2026	2016 2026
		Total of Central & South	321,547	375,373	81,415	95,100	50,477	95,100	62% 100%
8	Need of the Project	To strengthen the existing Septage collection and transport facilities and development of appropriate Septage treatment and disposal facilities which is eco-friendly and sustainable manner. This will involve identification for required number of vehicles for collection of septage and identification of a sustainable septage treatment and save disposal system. The work will be mainly confined to central and Southern Zone.							

9	Population	Agartala (Central & South)					
		Zones		Projected Population			
			2011	2016	2026	2031	2046
		Central	141,730	156,929	193,447	215,555	301,531
		South	156,590	164,618	181,926	198,511	272,362
	Total	298,320	321,547	375,373	414,066	573,893	
10	Septage Generation	Agartala (Central & South)					
	Base Year - 2016	132 Cum					
	Design Year – 2026	198 Cum					
11	Project Components	<ul style="list-style-type: none"> ■ Procurement of Septage desludging Tankers. ■ Construction of Septage Treatment Plant including civil works and Equipments for treatment including ancillary works like ■ Garage cum workshop for the tankers ■ Administrative Building with Laboratory ■ Construction of Toilet Block & Bore well with water reservoir ■ .Extension of Power line with 200 KVA substation and Diesel Generator for plant, 					
12	Number of Packages	Two Packages Package 1 : Procurement of Equipments Package 2 : Design, Construction & commissioning of Septage Treatment Plant					
13	BOQ ready YES/No	YES					
14	Analysis of rate ready YES / NO	YES					
15	Land required under project and status of land availability	Land available with Agartala Municipal Corporation.					
16	Estimated cost (Proposed)	153.00 Million INR.					
17	Timelines for implementation (Please attach detail bar chart)	1.5 Years					
18	Funding Pattern	As per NERCCDIP guidelines (ADB Funded)					
19	Whether the project(or part of the project) has been taken up earlier through any other scheme if yes please provide detail of components of the project taken up. Amount sanctioned and expenditure.	No					
20	Implementing Agency	SIPMIU Agartala AMC					

21	Annual O & M Expenditure (Million INR)																																					
	Existing	1.80 Million INR																																				
	Proposed	Summary of Annual Operation and Maintenance Cost for treatment plan																																				
		<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Annual Cost of</th> <th>million INR</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Cost of O&M for Transportation</td> <td></td> </tr> <tr> <td>1</td> <td>O&M of new vehicles</td> <td>2.287</td> </tr> <tr> <td>2</td> <td>O&M of old vehicles</td> <td>0.763</td> </tr> <tr> <td>3</td> <td>Wages for Staffs for vehicles and Garage</td> <td>8.372</td> </tr> <tr> <td></td> <td>Total</td> <td>11.422</td> </tr> <tr> <td>B</td> <td>O&M Cost of Septage treatment Plant</td> <td></td> </tr> <tr> <td>1</td> <td>Power consumption</td> <td>1.460</td> </tr> <tr> <td>2</td> <td>Wages for personnel</td> <td>0.828</td> </tr> <tr> <td>3</td> <td>Consumables</td> <td>0.947</td> </tr> <tr> <td></td> <td>Total</td> <td>3.256</td> </tr> <tr> <td></td> <td>Total</td> <td>14.678</td> </tr> </tbody> </table>	Sl. No.	Annual Cost of	million INR	A	Cost of O&M for Transportation		1	O&M of new vehicles	2.287	2	O&M of old vehicles	0.763	3	Wages for Staffs for vehicles and Garage	8.372		Total	11.422	B	O&M Cost of Septage treatment Plant		1	Power consumption	1.460	2	Wages for personnel	0.828	3	Consumables	0.947		Total	3.256		Total	14.678
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2		Wages for personnel	0.828																																			
3		Consumables	0.947																																			
		Total	3.256																																			
	Total	14.678																																				
		All the cost for O & M will be recovered by AMC by way of user charge collection.																																				
22	Agency responsible for O&M	Agartala Municipal Corporation (AMC)																																				
23	Charges for Septage cleaning																																					
	Existing	Rs- 1500 INR per trip of the cesspool desludging tankers.																																				
	Proposed	Rs- 1500 INR per trip.																																				
24	Revenue generation (INR Million)																																					
	Existing	0.9 Million INR																																				
	Proposed 2016-18	37.8 Million INR																																				
25	CPHEEO's Technical Comments	Apprised and sent to the Ministry for approval																																				
26	State Level Approval Details																																					
	a. Approval date																																					
	b. Approval letter no.																																					
27	List of anticipated hindrances in project implementation and measures for solutions	NIL																																				

28	Whether the project is recommended for Sanction or not (Y/N)	YES, Recommended for Sanction
29	If not, please mention reasons and area for improving DPR	---
30	Estimated cost for consideration approval(INR Million) &	135.50 Million INR

Estimate of Appraised Cost

Sl. No.	Description	Proposed Cost (in million INR)	Appraised Cost (in million INR)
A	Transport Equipment		
i)	3 cum capacity vacuum tankers (chassis-mounted) 17 nos @ INR 2.332 million each	39.647	39.647
ii)	0.50 cum capacity vacuum tankers 2 nos @ INR 1.269 million each	2.538	2.538
	Total of A	42.185	42.185
B	Treatment Plant		
i)	Land development, fencing, etc.	2.49	2.49
ii)	Civil works for treatment plant units (without buildings)	28.01	28.01
iii)	Equipment for treatment plant (including piping works)	15.09	15.09
iv)	Internal road	11.38	11.38
v)	Electrical & Instrumentation works for treatment plant & yard lighting for septage plant.	12.02	12.02
	Total of B	68.99	68.99
C	Plant and Other Buildings		
i)	Administrative block with laboratory	2.15	2.15
ii)	Electrical Panel board room	1.23	1.23
iii)	Dewatering equipment building	1.99	1.99
iv)	Rest Room for O&M workers	2.06	2.06
v)	Toilet block	1.15	1.15
vi)	Garage cum workshop building	5.16	5.16
Vii)	Reservoir for washing of vehicles	1.18	1.18
	Total of C	14.92	14.92
D	Miscellaneous		
i)	Power line extension, 200 KVA substation	0.56	0.56
ii)	100 KV Diesel Generator for the septage treatment plant site	1.50	1.50
iii)	Borewell and RCC water tank	3.35	3.35
iv)	Design charges (@ 2.5% of B,C & D)	2.23	0
	Total of D	7.64	5.41
E	Subtotal of capital works except vehicles (B+C+D)	91.55	89.32
F	O&M cost for 1 year @ 14.678 million per annum	14.678	0
	Total of A, E, F	155.125	131.505
	Contingency & unforeseen items @ 3%	4.654	3.945
	Grand Total	159.78 (Say 160.00 million INR)	135.45 (Say 135.50 million INR)

General Comments for Project Implementation:

1. Agartala Municipal council (AMC) / State Investment Project Management & Implementation Unit, Agartala (SIPMIU) shall obtain the requisite technical and administrative sanctions from the competent authorities/ Government of Meghalaya and expedite project implementation immediately after getting the approval of Ministry.
2. AMC/SIPMIU shall make the required applications to the State Pollution Control Board (SPCB) for setting up the Septage Treatment facility and obtain the necessary authorizations from the SPCB and other statutory bodies / Authorities as required.
3. AMC/SIPMIU shall take up simultaneous & sustained IEC (Information, Education and Communication) Campaigns in association with NGOs/CBOs involved in the Sector for effective implementation and success of the project right from inception.
4. AMC should ensure that all the Septage reaching at the treatment facilities is properly documented with necessary details.
5. AMC should ensure that user charges are levied and collected in order to meet the O&M expenses.
6. All material procured for project needs to be as per relevant BIS specifications.
7. The consultant(s) shall provide necessary technical assistance for entire duration of project implementation phase plus post implementation defect liability/maintenance period of at least 2-3 years.
8. The estimated cost of DPR proposals has been finalized as per the current SoR and the market rates for items not borne on SoR. No escalation in cost is admissible. If there is any escalation on any account, the same shall be borne by AMC / State Urban Affairs Department & Govt. of Tripura, as per NERUDP guidelines.
9. AMC/SIPMIU shall prepare a detailed PERT-CPM chart once the approval is granted taking into account the infrastructure proposed, both component-wise and project-wise and monitor progress for timely completion by the schedule.
10. AMC/SIPMIU shall ensure adherence to the framework for service level benchmarks formulated by the Ministry while implementing the project and its components.
11. No change in the scope/design/nature of the project shall be effected without prior approval by the Ministry / CPHEEO.

-----oOo-----

Annexure 4.9

**Supporting document for Water Supply
System (under ADB)**

GOVERNMENT OF TRIPURA
OFFICE OF THE PROJECT DIRECTOR
STATE INVESTMENT PROGRAM MANAGEMENT AND IMPLEMENTATION UNIT
ASIAN DEVELOPMENT PROGRAM MANAGEMENT AND IMPLEMENTATION UNIT
Urban Development Department, 2nd floor, khadya Bhawan, Pandit Nehru Complex.
Phone – 0381-232-0174, 9402168870, Email id- sipmiutripura@gmail.com

No. F. 16(3)-ADB(SIPMIU -TRIP)/TD/2010/Pt-III/

Dated, Agartala.
The /7th March, 2016.

Letter of Acceptance.

To
M/s. Eco Protection Engineers Pvt. Ltd.,
&
M/S. A.V Rambabu Infra Pvt. Ltd.,
Plot No- 943, 54th Street, TVS Colony,
Anna Nagar West Extn, Chennai-600101.

**Subject :- Augmentation & Rehabilitation of Water Supply System of Agartala
(Central Zone), Tripura (Contract Package No. AGT/WS/NCB/15/01).**

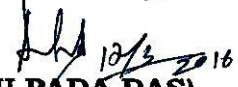
Sir,

This is to notify that your Bid submitted on 21.07.2015 consisting of the Technical Bid and the Price Bid for execution of Augmentation & Rehabilitation of Water Supply System of Agartala (Central Zone), Tripura (Contract Package No. AGT/WS/NCB/15/01) for the Accepted Contract Amount equivalent of 112, 90, 79, 291/= (One hundred twelve crore Ninety lacs Seventy-nine thousand two hundred ninety-one) (INR) only as corrected and modified in accordance with the instructions to Bidders is hereby accepted.

You are requested to furnish the 10% of the contract amount as Performance Security within 28 days in accordance with the Condition of Contract, using for that purpose of the Performance Security Form included in Section 9 (Contract Forms) of the Bidding Document.

Regards,


Yours faithfully,

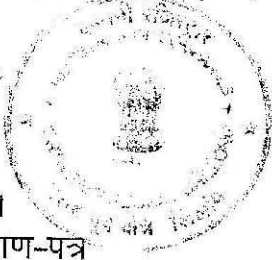

(BISHNU PADA DAS)
Project Director
SIPMIU (NERCCDIP),
Agartala, Tripura.

Annexure 4.10

**Supporting document for other SPV
named Tripura Urban Transport
Company Limited**

SPV


सत्यमेव जयते



प्रारूप 1
पंजीकरण प्रमाण-पत्र

कॉर्पोरेट पहचान संख्या : U60200TR2010SGC003282 2009 - 2010

मैं एतद्वारा सत्यापित करता हूँ कि मैसर्स
TRIPURA URBAN TRANSPORT COMPANY LIMITED


का पंजीकरण, कम्पनी अधिनियम 1956 (1956 का 1) के अंतर्गत आज किया जाता है और यह
कम्पनी प्राइवेट लिमिटेड है।

यह निगमन-पत्र आज दिनांक तेईरा जनवरी दो हजार दस को गेरे हरताक्षर से शिल्लॉंग में जारी किया जाता
है।

Form 1
Certificate of Incorporation

Corporate Identity Number : U60200TR2010SGC008282 2009 - 2010
I hereby certify that TRIPURA URBAN TRANSPORT COMPANY LIMITED is this
day incorporated under the Companies Act, 1956 (No. 1 of 1956) and that the
company is private limited.

Given under my hand at Shillong this Twenty Third day of January Two Thousand
Ten .


(GULAB CHAND YADAV)
कम्पनी रजिस्ट्रार /Registrar of Companies
असाम, त्रिपुरा, मणिपूर, नागालैंड, मेघालय, अरुणाचल प्रदेश, मिजोराम
Assam, Tripura, Manipur, Nagaland, Meghalaya, Arunachal Pradesh and Mizoram

कम्पनी रजिस्ट्रार के कार्यालय अभिलेख में उपलब्ध पत्राचार का पता :
Mailing Address as per record available in Registrar of Companies office:
TRIPURA URBAN TRANSPORT COMPANY LIMITED
TRTC COMPLEX, KRISHNANAGAR,
AGARTALA - 799001,
Tripura, INDIA

PA
15/3/10

GOVERNMENT OF TRIPURA
TRANSPORT DEPARTMENT

SO.P.22(9)-Trans, 2009

15th March, 2010

NOTIFICATION

The Governor of Tripura is hereby pleased to declare that a certain subject vehicle (SPV) namely Tripura Urban Transport Company Ltd. (TUTCO) will start functioning with effect from 15th March, 2010 to manage the operation and management of buses prepared under JhUPed for Agartala area.

17-3-2010

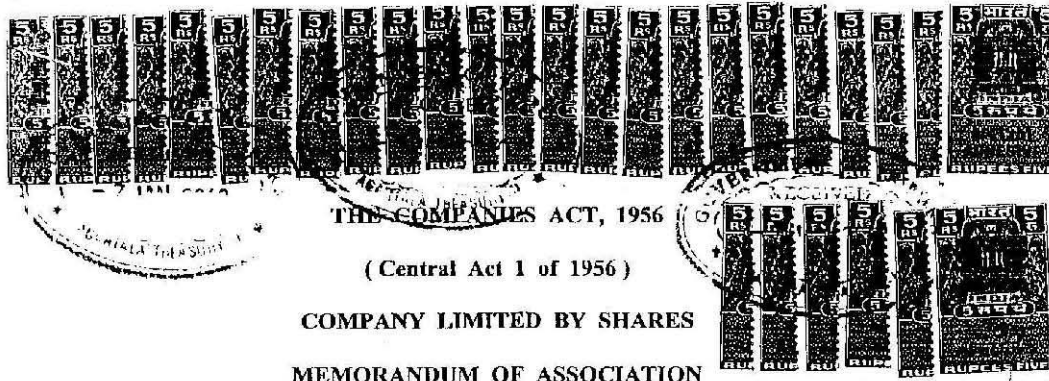
By order of the Governor,

(Sriram Tathapikānti)
Commissioner & Secretary
to the Government of Tripura

Copy to:

1. Principal Secretary to Governor, Rajbhawan, Tripura, Agartala.
2. Principal Secretary to Chief Minister, Tripura, Agartala.
3. Offices of all Ministers, Tripura, Agartala.
4. Office of the Vice-Chairman, State Planning Board I, Tripura, Agartala.
5. Chairperson, Agartala Municipal Council.
6. JS & SA to the Chief Secretary, Tripura, Agartala.
7. All Principal Secretaries/ Commissioners/ Secretaries/ Secretaries, Tripura, Agartala.
8. The Chairman/Managing Director, Tripura Road Transport Corporation.
9. Accountant General (A&E), Tripura, Agartala.
10. Special Secretary, Finance.
11. Finance (Estt. Br.), Secretariat, Tripura, Agartala.
12. All Departments/ Heads of Departments.
13. The Chief Executive Officer, Agartala Municipal Council.
14. The Joint Transport Commissioner, West Tripura.
15. Treasury Officer, Agartala Treasury No. I & II.
16. Manager, Government Press for publication.
17. Guard File.

(Sriram Tathapikānti)
Commissioner & Secretary
to the Government of Tripura



THE COMPANIES ACT, 1956
(Central Act 1 of 1956)
COMPANY LIMITED BY SHARES
MEMORANDUM OF ASSOCIATION

OF

TRIPURA URBAN TRANSPORT COMPANY LIMITED

- I. The name of the Company is **TRIPURA URBAN TRANSPORT COMPANY LIMITED.**
- II. The Registered Office of the Company shall be situated in the State of **Tripura.**
- III. The objects for which the Company is established are as under :
 - (A) **MAIN OBJECTS TO BE PURSUED BY THE COMPANY ON ITS INCORPORATION ARE :**
 1. To promote and develop the Transport facilities in the state of Tripura by providing Bus Transport System (BTS) to the public by way of planning, designing, financing, developing, constructing, maintaining, marketing, operating and enabling Bus Transport System (BTS) either individually or in association with other undertakings or Companies as a Special Purpose Vehicle (SPV) or Joint Venture (JV) or BOT system (Build, Operate and Transfer).
 2. To provide and /or facilitate provision of multi modal transportation services including owning, Licensing and operating bus routes, passenger and other modes of transport.

To do incidental things in connection with the attainment of the main object:

I. In pursuance of the main object :

- i) To serve as a single overarching agency which will facilitate, coordinate, control and monitor the activities of various public and private partners that are an integral part of the BTS planning, implementation and operational functions.
- ii) To serve as a Bus Transport System-centric regulatory agency which will oversee the entire lifecycle of Bus Transport System operations.
- iii) To develop the legal and structural framework for enabling the Special Purpose Vehicle as the primary operational entity.
- iv) To Finance, Oversee, Design, Plan and Develop Detailed Project Report(s) incorporating :
 - a) Transportation studies leading to Travel Demand Analysis.
 - b) Comprehensive Mobility Plans with focus on moving PEOPLE and not vehicles.
 - c) Bus Rapid Transport Design including identification of corridors, assessment of types of vehicles, services and integration of Bus Transport System with other transit services, design of feeder network and infrastructure etc.
 - d) Integrating land use and transportation and using land as a resource for planning, design and development of Bus Transport System terminals and parking facilities, implementation of Intelligent Transport System and Passenger Information System.
- v) To plan, design, fund, develop and own Fixed Assets essential for the operation of Bus Transport System.
- vi) Explore all possible avenues such as the Public Private Partnership (PPP) and the Build Operate Transfer (BOT) models for owning, developing, maintaining and operating the infrastructural ancillary components such as Bus Depots, Bus Terminals, Parking facilities, Commercial space, Bus Rapid Transit System, rolling stock, Advertising etc.

- vii) To procure Bus Transport System Operators under Public Private Partnership mode and to monitor and control their activities with regard to all aspects of operations of Bus Transport System so as to enable a high degree of satisfaction for the commuters and at the same time commercial viability for the operator.
- viii) To monitor the functioning of the Bus Transport System and ensure seamless, continuous, comfortable, convenient and affordable Mass Transit Systems.

2. To obtain and comply with licenses, charters, concessions etc.

To apply for, procure, obtain from any person or authority, and enter into arrangements with any authority or persons, for the purpose of directly or indirectly carrying out the objects or furthering the interests of the Company or its members and to obtain from such authority or persons, any licenses, charters, subsidies, loans, indemnities, grants, contracts, decrees, rights, sanctions, privileges, permissions, consents, approvals, or concessions whatsoever, (whether statutory or otherwise) which the Company may think it desirable to obtain and to carry out exercise and comply with the same and to do any thing which the Company is authorized or required to do under or by virtue of any license granted to the Company for attainment of its objects.

3. To acquire and lease property:

To acquire by purchase, lease, exchange, hire or otherwise or to construct all kinds of buildings, apartments, plant, machinery and hereditament of any tenure or description and any estate or interest therein and any rights over or connected with land so situated in any manner as it may seem expedient, necessary or convenient to the Company for the purposes of its business.

4. To acquire business/companies

To acquire, possess and undertake the whole or any part of the business, assets, property, goodwill, rights and liabilities of any person, firm, society, association, corporation and company.

5. To acquire know how etc. :

To apply for, purchase or otherwise acquire any trade marks, patents, brevets or inventions, licenses, concessions and other valuable rights and property, conferring any exclusive or non-exclusive or limited right to use of any secret or other information which may seem capable of being used for any of the purposes of the Company or the acquisition of which may seem calculated, directly or indirectly, to benefit the Company and to use, exercise, develop or grant licenses in respect of such property right or information so acquired or developed.

6. To undertake training :

To establish, maintain and operate technical training institutions and hostels for engineers of all types amid all other technical staff and artisans and mechanics of all types and kinds and accountants and others to make such other arrangements as may be expedient for the training of all categories of officers, workers, clerks, storekeepers and other personnel likely to be useful to or assist in any business.

7. To sell, transfer property:

To sell, improve, manage, develop, exchange, loan, lease, let out, under lease, sub-let, mortgage, dispose of or to deal with in any manner, with any rights or property of the Company.

8. To invest money :

To accumulate funds and to invest or otherwise employ monies belonging to or with the Company and not immediately required , in the purchase or acquisition of any shares, securities or other investments whatsoever, whether movable or immovable upon such terms as may be thought proper, from time to time , and to vary all or any such investments in such manner as the Company may think fit.

9. To undertake joint venture:

To amalgamate or enter into partnership or enter into any consortium or arrangement for sharing of funding or profits in a cooperative or joint venture with any person or company or body or authority including any Government carrying on or engaged in any operation capable of being conducted so conveniently in cooperation with the business of the Company, directly or indirectly for the benefit of the Company or to the activities for which the Company has been established including but not limited to road , rail, sea and air transport.

10. To sell property:

To sell or dispose off any undertaking of the Company or any part thereof for such consideration as the Company may think fit and in particular for shares, debentures or securities of any other association, corporation or company, to promote or aid in the promotion of any other company or partnership for the purpose of acquiring all or any of the properties, rights or liabilities of the Company or for any other purpose which may seem directly or indirectly calculated for the benefit of the Company and public interest.

11. To enter into contracts :

To enter into agreements and contracts with individuals, companies and any other persons for purchase of equipment and for technical, financial or any other assistance, for carrying out of in furtherance of all or any of the objects of the Company.

12. To enter into arrangements :

To enter into any arrangement with any Government or authority that may seem conducive to the company's objects and to obtain from any such Government or authority any rights, privileges and concessions and to carry out, exercise and comply with any such arrangements, rights, privileges and concessions.

13. To enter contract of indemnity and guarantee :

To enter into contracts of indemnity and guarantee with any Government, authority, Corporation, Company or any other juridical person, to safeguard the interest of the company.

14. To apply / tender quotations:

To apply / tender quotations to acquire any contracts, services and concessions.

15. To enter into various contracts including but not limited to BOT

To enter into various contracts such as Build Own Transfer , Build Own and Operate, Build Own Lease and Transfer, Build Operate Own and Transfer or any other type of contracts with any person or entities , to further the objects of the Company.

16. To establish agencies etc. :

To appoint agencies, to establish & maintain branches and local offices, to procure registration or recognition of the Company and to carry on business in any part of India and to take such steps as may be necessary to give the Company such rights and privileges in any part of India as may be thought desirable :

17. To create funds :

To create any depreciation fund, reserve fund, sinking fund, insurance fund or any other fund, and to maintain any reserves or make provisions whether in relation to depreciation or for repairing, improving, extending or maintaining any of the properties of the Company, or for any other purposes whatsoever conducive to the interests to the Company.

to open an account or accounts with any firm or company or with any bank or bankers and to pay into and withdraw money from such account or accounts, and to operate such account or accounts and close operation of any such account or accounts.

19. To promote other companies:

To promote or concur in the promotion of any other firm, society, association, corporation or company, the promotion of which shall be considered desirable in furtherance of any of the objects of the Company including but not limited to road, rail, sea and air transport.

20. To act as an entrepreneur on behalf of state Government:

To act as an entrepreneur on behalf of the Central or any State Government, to identify new areas of economic investment and to undertake or help in the undertaking of such investments.

21. To advance money:

To advance money or monies on security of any property or on mortgage of immovable property or against any bank guarantee and to make advances of money or monies, against future supply of goods and services on such terms as the Board may consider necessary and to invest money or monies of the Company in such manner as the Board may think fit and to advance, sell, transfer or deal with the same.

22. To collect and use information:

To arrange, receive and collect all relevant information in regard to any business carried on by the Company, including without limitation, to organize an information cell and / or a data bank relating to the consumer profiles and to utilize and/or provide to third parties, the information contained in the Company's database in such manner as the Company deems fit.

23. To carry on convenient business:

Generally to do all such other things as may be deemed incidental or conducive to attainment of the above objects or any of them and to carry on any business which may be conveniently carried on in connection with any of the Company's objects or are calculated directly or indirectly to enhance the value of or render profitable any of the Company's property or rights.

24. To declare dividend :

To declare dividend to the members.

(C) OTHER OBJECTS FOR WHICH THE COMPANY IS ESTABLISHED ARE :

1. To carry on the business of rendering all types of communication and information services to the business houses, commercial or non-commercial organization by collecting, collating and classifying the various types of data and information in a systematic and useful manner and of publishing, distributing and selling the same to periodicals, Magazines, newspapers, journals, newsletters, occasional papers, and to syndicate data information, articles, photographs, illustrations, graphs, charts, diagrams, cartoons and other visuals and reports and to set up a data bank and library to collect, compile, process, store, distribute and sell information on industrial, Corporate management, economic, social, political, scientific, legal, technological, medical etc. issues.
2. To carry on the business of advisers and consultants on all matters and problems relating to the administration, organization, finance management, personal management, or expansion of transport system (including construction of plants and buildings, production, purchases, sales, marketing, advertisement, publicity, personnel, export and import) and of institutions, concerns, bodies, association (incorporated or unincorporated) departments and services of the Government public or local authorities, trusts or scientific research and development centers.
3. To construct Hotels, restaurant, confectionery, importers and exporters of any kinds of foods and drinks and dealers therein and for that purpose to purchase, acquire, take on lease or otherwise acquire lands, sites for construction and provide to the passengers.





IV. LIMITED LIABILITY

The liability of the members is limited.

V. SHARE CAPITAL

The Share Capital of the Company is Rs.10,00,00,000/- (Rupees Ten Crores) divided into 1,00,00,000 (One Crore) Equity Shares of Rs.10/- (Rupees Ten) each. With the rights, privileges and conditions attached thereto as are provided by the Regulations of the Company for the time being. The Company has power, from time to time, to increase or decrease its Capital and to divide the shares in the original or increased capital for the time being, into several classes and to attach thereto such preferential rights, privileges or conditions as may be determined by or in accordance with the regulations of the Company and to vary, modify or abrogate any such rights, privileges or conditions as may be permitted by law.

VI. We the several persons, whose names and addresses are furnished below are desirous of being formed into a company in pursuance of this memorandum of Association and we respectively agree to take the number of shares in the capital of the Company, noted opposite to our respective names.

Sl. No.	Signature, Name, age, addresses, description and occupation of each subscriber	No. & Type of Shares	Signature, Name, address, Description, father's name and occupation of witness
1.	 Sri Kiran Gitte, IAS, Chief Executive Officer For AGARTALA MUNICIPAL COUNCIL (AMC) For, Agartala Municipal Council S/o. Dinkar Rao Gitte s/o Dinkar Rao Gitte Age: 34 years Agartala Municipal Council, Agartala. Occupation: Service	75,000 Equity Shares 75,000 Equity shares (Seventy five thousand equity shares)	I witness the signature of all subscribers:  CA. Dinen Majumdar S/o Sri Tapas Chandra Majumdar Partner of SANAT & ASSOCIATES 43 H.G.B Road, Agartala, Tripura (west) Practicing in Chartered Accounting
2.	 Sri Sambhu Nama Dy. Transport Commissioner (DTC), DTC S/o. Lt. Suresh Chandra Nama Age: 54 years For GOVERNOR, Government of Tripura O/O. DTC, Government of Tripura, Astabal, Agartala. Occupation: Service	1,00,000 Equity Shares 100,000 equity shares (One lakh equity shares)	
3.	 Sri Krishna Dulal Chowdhury Managing Director, For TRIPURA ROAD TRANSPORT CORPORATION (TRTC) S/o. Lt. Jogendra Chandra Chowdhury, TRTC, Krishnanagar, Agartala. Occupation: Service	75,000 Equity Shares 75,000 equity shares (Seventy five thousand equity shares)	

TOTAL = 2,50,000 equity shares Page - 8/8

Place : Agartala

Date : 04th January, 2010

(Two lakh fifty thousand equity shares)

INCORPORATED
UNDER
THE COMPANIES ACT, 1956
(Act 1 of 1956)
COMPANY LIMITED BY SHARES
ARTICLES OF ASSOCIATION
OF
TRIPURA URBAN TRANSPORT COMPANY LIMITED

In the interpretation of the Memorandum of Association and these Articles, the following words shall have the following meanings, unless repugnant to the subject to context.

Interpretation Clause

"Act" means the Companies Act, 1956 and includes where the context so admits any re-enactment or statutory modification thereof for the time being in force, and any other applicable enactment relating to companies as in force in India.

"Act"

"Articles" or "Articles of Association" shall mean these Articles of Association of the Company, as may be amended and in force from time to time.

"Articles" or "Articles of Association"

"Board" or "Board of Directors" means the Board of Directors, for the time being of the Company.

"Board" or "Board of Directors"

"Capital" or "Share Capital" means the share capital for the time being raised or authorised to be raised by the Company.

"Capital" or "Share Capital"

"Chairman" means, the Chairman of the Board of Directors for the time being of the company.

Chairman

"Company" means the TRIPURA URBAN TRANSPORT COMPANY LIMITED.

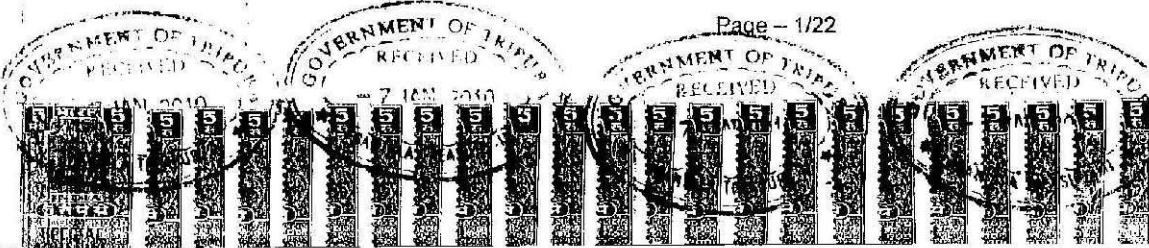
Company

"Directors" includes any person occupying the position of Director by whatever name called.

Directors

"Dividend" includes interim dividend & Bonus Shares.

Dividend



"Executor" or "Administrator" means a person who obtained probate or Letters of Administration, as the case may be, from a court of competent jurisdiction.	Executor or Administrator
"Government" means the Government of Tripura and would include Government of any other State or the Central Government, where the context so requires.	Government
"Governor" means the Governor of the State of Tripura.	Governor
"Memorandum" or "Memorandum of Association" shall mean the Memorandum of Association, for the time being of the Company.	"Memorandum" or "Memorandum of Association"
"Month" means a calendar month.	Month
"Office" means the registered office for the time being of the Company.	Office
"President" means the President of India.	President
"Person" includes a corporation and any other form of legal person.	Person
"Register" means the register of members to be kept under the provisions of the Act, and would include the register of debenture holders where the context so requires.	Register
"Registrar" means the Registrar of companies having jurisdiction over the State in which the Registered Office of the Company is situated, and would include any other officer who may be discharging any of the functions of such Registrar of companies.	Registrar
"Seal" means the common seal of the Company	Seal
Unless the context otherwise requires, words or expressions used but have not been defined in the Regulations shall bear the same meaning as in the Act.	Expression in the Articles to bear the same meaning as in the Act
Writing" shall include printing and lithography and any other mode of representing or reproducing words in a visible form.	Writing
"Share" means share in the share capital of the company and includes stock.	Share

3. The Company shall be governed in terms of the Regulations as may be in force from time to time, subject to the provisions of the (Companies Act, 1956) .

Company to be governed by these Articles

4(a). The Company is a Private Company within the meaning of Section -3 (1) (iii) of the Companies Act and has a minimum paid up share capital as may be prescribed and accordingly.

Private Limited Company

- i) The right to transfer the shares is restricted in the manner set out hereinafter.
- ii) The number of its members is limited to fifty, not including persons who are in the employment of the company and persons who, having been formerly in the employment of the company, were members of the company while in that employment and have continued to be members after the employment ceased.
- iii) No invitation shall be issued to the public to subscribe for any shares in or debentures of the company; and
- iv) Prohibits any invitation to or acceptance of deposits from persons other than its members, directors or their relatives.

Provided that where two or more persons hold one or more shares in the Company jointly, they shall for the purpose of this clause, be treated as a single member.

4(b) The company to be a Government of Tripura undertaking having the following share holding pattern:

Division of Shares

- i) State Govt. of Tripura - 40 percent.
- ii) Agartala Municipal Council (AMC), Govt. of Tripura local authority - 30 percent.
- iii) Tripura Road Transport Corporation (TRTC), a Govt. of Tripura undertaking - 30 percent.

4(c) The Board of Directors possess the rights and privileges to alter the share holding pattern of the company as and when required.

5. Subject to the provisions of the Act and these Articles, the Shares shall be under the control of the Board of Directors who may allot or otherwise dispose off the same.

Allotment of Shares

6. a) In the case of Joint Shareholding, the first named shareholder in the register of members as one of the joint holders shall be vested with all the rights and duties that are vested by law on a shareholder and the company will not be obliged to recognize any joint-share holder other than the first mentioned shareholder.

Joint Holders of shares

b) The company shall not be bound to register more than three persons as joint-holders of any share.

c) Communication with the person whose name appears first in the register of members as one of the joint holders is sufficient for all purposes.

CERTIFICATES

7. Every person whose name is entered as a member in the Register shall, without payment, be entitled to certificate under the Seal of the Company, specifying the Share or Shares held by him and the amount paid thereon:

Members' right to certificate

8. If a share certificate is defaced, lost, or destroyed it may be renewed in accordance with the provisions of the Companies (Issue of Share Certificates) Rules, 1960 under the Act on payment of fee, not exceeding One rupee per share certificate and on such terms, if any, as to evidence of such loss, defacement etc., and further subject to providing such indemnity and payment of out of pocket expenses incurred by the Company in investigating evidence as the Directors think fit.

Issue of new certificates in place of one defaced, lost or destroyed

TRANSFER OF SHARES OR DEBENTURES

9. The Board of Directors may at their, absolute discretion decline to register any transfer of share or debentures in the following cases;

a) The transfer of shares or debentures to a person who has not been approved by the Board of Directors.

b) Any transfer of shares on which company has a lien.

10. Shares held by a member may be transferred to his/her successors or to any other existing share holder of the company but shall not be transferred to any person other than those as aforesaid.

11. In case of transfer of all or any part of the shares in or debentures of the company, to any other person or persons excepting those provided in Article 10 above, the transferor shall intimate the company in writing of his intention to do so, specifying clearly therein the name in block letter, address both present and permanent and description of the transferee and the company on receipt of such intimation from the transferor shall hold a meeting of the Board of Directors to consider the matter of such transfer, within a period of Sixty days from the date of receipt of such intimation letter from the transferor and the Directors shall be at liberty either to take in such transferee as a member or arrange the transfer to any other member of the company in such manner as the Directors may approve and prescribe.

12. The Instrument of transfer of any shares in, or debentures of the Company, shall be executed both by the transferor and the transferee and the transferor shall remain the holder of the share or debentures so transferred until the name of the transferee is registered in the register of members or in the register of Debenture holders. Each signature of such transfer shall be attested by one respectable person with address and occupation.

13. Every instrument of transfer shall be left at the office of the Company along with the certificate of shares in, or debentures of Company to be transferred and on payment of proper fees for registration, the transfer may be registered.

14. In case of death of a member, the shares shall pass to his or her successors, administrators or executors and any person becoming entitled to a share in consequence of death of any member may upon producing such evidence of title as the Directors may require, register himself or herself as holder of the shares or debentures

Transmission
of shares or
debentures

subject to the provisions of transfer herein contained, transfer the same to some other person.

15. The Company shall keep the Registers, for Transfer of Shares, and for Transfer of Debentures and therein enter the particulars of transfers or transmission of any Share or Debenture.

Register of
Transfer

	Increase of Capital
17.. New Shares shall be issued upon such terms and conditions and with such rights and privileges annexed thereto as the General Meeting resolving upon the creation thereof shall direct, and the company may at a general meeting issue shares with differential voting rights as per the provisions of the Act.	New Shares
18. The new Shares (resulting from an increase of Capital as aforesaid) may be issued, allotted or disposed of in accordance with the provisions of Article 5.	When shares to be offered to existing members
19. Except in so far as otherwise provided by the condition of issue or by these Articles, any Capital raised by the creation of new Shares shall be considered part of the original Capital and shall be subject to the provisions herein contained with reference to the payment of calls and instalments, transfer and transmission, forfeiture, lien, surrender, voting and otherwise.	New Shares to be part of original Share Capital
20. Subject to the provisions of Sections 100 to 104 of the Act, the Company may from time to time, by special resolution, reduce its capital by paying off capital or cancelling capital which has been lost or is not represented by available assets or is superfluous or by reducing the liability on the shares or otherwise as may seem expedient and Capital may be paid off upon the footing that it may be called up again or otherwise and the Board may, subject to the provisions of the Act, accept surrender of shares.	Reduction of Capital
21. The Company in a General Meeting may from time to time sub-divide or consolidate its Shares or any of them and exercise any of the other powers conferred by sub-section (i) (a) to (e) of section 94 of the Act and shall file with the Registrar such notice in exercise of any such powers as may be required by the Act.	Sub-division and Consolidation of Shares

22. Subject to the provisions of section 292 of the Act, the Board may, by means of a resolution passed at a meeting of the Board from time to time, borrow and/or secure the payment of any sum or sums of money borrowed or to be borrowed, for the purpose and benefit of the Company subject to the approval of the Govt. of Tripura.

Power to Borrow

23. Subject to the provisions of sections 78 and 79 of the Act, shares may be issued at a premium, discount or otherwise and with any special privileges, as to redemption, surrender and allotment of Shares.

Issue of Shares at premium, discount etc.

General Meetings

24. At least twenty one clear days notice in writing specifying the place, day and hour of general meetings with a statement of business to be transacted at the meeting shall be served on every member in the manner provided by the Act but with the consent in writing of all the members entitled to receive notice of such meeting, any General Meeting may be convened by such shorter notice and in such manner as those members may think fit.

Notice of General Meetings

25. The accidental omission to give notice or the non-receipt thereof by any member shall not invalidate any resolution passed at by such meeting.

Omission to give notice not to invalidate a resolution passed

26. The Quorum for a General Meeting of the Company shall be three members present in person, one from each organisation holding the shares in the Company

Quorum for General Meeting

Chairman of General Meeting

27. In every General Meeting, the Chairman of the Board of Directors shall be entitled to take the chair but if the Chairman is not present within fifteen minutes after the time appointed for holding such meeting, the members present shall choose any other Director as Chairman to such meeting and if no Director shall be present or if all the Directors present decline to take the chair, then the members present shall choose one of the members to be the Chairman for such meeting.

28. Chairman's decision conclusive

The Chairman of any meeting shall be the sole judge of the validity of every vote tendered at such meeting. The Chairman present at the taking of a poll shall be the sole judge of the validity of every vote tendered at such poll.

VOTES OF MEMBERS

29. Every member entitled to vote and present in person or by proxy, shall have one vote on a show of hands and upon a poll one vote for each share held by him. The Chairman shall have a casting or second vote in case there is an equality of votes at the General Meeting.

**Votes of
Members**

30. Any person entitled to any right, title or interest in any of the shares of the company by virtue of transmission of shares to him, may vote at a general Meeting in respect of such shares as if he was the registered holder of such shares provided that at least 72 hours before the time of holding the meeting or adjourned meeting as the case may be at which he proposes to vote, he shall satisfy the Directors of his right unless Directors shall have previously admitted his right to vote at such meeting in respect thereof. Company not bound to recognise any interests in shares other than that of the registered holders.

**Vote in respect
of deceased
member**

Company not bound to recognise any interests in shares other than that of the registered shareholders.

31. Save as herein otherwise provided, the Directors shall be entitled to treat the person whose name appears on the register of members as the holder of shares as the absolute owner thereof and accordingly shall not (except as ordered by a court of competent jurisdiction or as by law required) be bound to recognise any benami, trust, equitable, contingent or other claim to or interest in such share on the part of any person whether or not they shall have express or implied notice thereof.

BOARD OF DIRECTORS

32. Subject to the provision of the Act, the business of the Company shall be managed by a Board of Directors.

**Business of
the Company**

are the functional Directors like Finance, Operation, Technical, Marketing etc.

- (iv) The Directors may be paid such salary and/or allowances as may be determined by the Govt. of Tripura.

In addition to the remuneration payable to the Directors in pursuance of the Act, the Directors may be paid such sums as the Board may fix from time to time for travelling and other expenses incurred by them in attending and returning from any meeting of the Board of Directors or any committee thereof or general meeting of the Company or in connection with the business of the Company.

In addition, the Directors who attend any Board meeting may be paid such sitting fees as may be fixed by the Board from time to time.

(v) Subject to the provisions of the Act, so long as the entire issue of share capital of the Company is beneficially owned by Government of Tripura, TRTC and AMC, Govt. of Tripura shall have the right to nominate and appoint all the Directors and to fill any vacancy which may arise as a result of any Director ceasing to hold office for any reason whatsoever and Govt. of Tripura shall have the right to nominate and appoint one or more of the directors to the office of Chairman and Managing Director for such term and on such remuneration and/or allowances as it may think fit.

Certain persons not to be appointed as Directors

35. The office of a Director shall become vacant if.

- a) He is found to be unsound in mind by a Court of Competent jurisdiction.
- b) He applies to be adjudicated an insolvent.
- c) He is adjudged as an insolvent.
- d) He is convicted by a Court in India for any offence and sentenced in respect thereof to imprisonment for not less than six months.

- e) He fails to pay any call in respect of shares of the Company held by him whether along or jointly with others within six months from the last date fixed for payment of the call.
- f) He absents himself from three consecutive meetings of the Board of Directors or from all meetings of the Board for a continuous period of three months, whichever is longer without obtaining leave of absence from the Board.
- g) He or any firm in which he is a partner or any private Company, of which he is a Director, accepts a loan or any guarantee or security of a loan from the Company.
- h) He fails to disclose the nature of his concern or interest in any contract, or arrangement or proposed contract or arrangement entered into by/or on behalf of the company as required under Section 299 of the Act.
- i) He becomes disqualified by order of the Court under Section 203 of the Act.
- j) He is removed in, pursuance of Section 284 of the Act. Provided, that, no Director shall vacate his office merely by reason of his becoming a member of the company which has entered into contract with or done any work for the Company of which he is a Director but a Director shall not vote in respect of any such contract or work and if he casts his vote, his vote shall not be counted.

Disqualification referred to in sub-clauses(c), (d) and (i) above shall not take effect for thirty days from date of adjudication, sentence order where any appeal or petition is preferred within the thirty days against the adjudication or conviction resulting in the sentence or order until the expiry of seven days from the date on which such appeal or petition is disposed of.

Where within the seven days aforesaid any further appeal or petition in respect of adjudication, sentence, conviction or order and the appeal or petition if allowed would result in the removal of the disqualification until such further appeal or petition is disposed off.

Special position of Chairman-cum- Managing Director

36. The Chairman-cum-Managing Director, if he ceases to hold the office of Director shall ipso facto and immediately cease to be the Chairman-cum- Managing Director. .

Alternate Director(s)

37. The Board of Directors may, from time to time appoint alternate director(s), to act for Director(s), in terms of Section 313 of the Act.

PROCEEDINGS OF THE MEETING OF BOARD OF DIRECTORS

38. The Directors may meet together as a Board for the disposal of business from time to time and unless the Central Government by virtue of the provisions of section 285 of the Act otherwise directs shall so meet at least once in every three calendar months and at least four such meetings shall be held in every year. The Directors may adjourn and otherwise regulate their meetings as they think fit.

**Meeting of
Directors**

39. Notice of every meeting of the Board shall be given in writing to every Director at his usual address.

**Notice of
Meeting**

40. Subject to the provisions of section 287 of the Act, quorum for a meeting of the Board shall be one third of its total strength (excluding Director, if any, whose places may be vacant at the time) or two directors, whichever is greater, provided that in calculating the said one-third any fraction of a number shall be rounded off as one.

Quorum

Adjournment of meeting for want of quorum

41. If a meeting of the Board could not be held for want of a quorum then the meeting shall stand adjourned to such other time as may be fixed by the Chairman. Where the Chairman does not adjourn the meeting to a specified date, then the meeting so called shall lapse and shall be treated as cancelled and shall be deemed not to have been called.

When meeting to be convened

42. A Director may at any time and the Secretary of the Company shall on the request of a Director convene a meeting of the Board by giving a notice in writing to every Director at his usual address. Notice may be given by telegram or facsimile or other comparable means to a Director who has his usual address outside the State of Tripura.

Chairman

43. If at any convened meeting of the Board, the Chairman-cum-Managing Director is not present within fifteen minutes after the time appointed for commencing the proceedings, then the Directors may choose one of the Directors present to be the Chairman of such meeting.

Delegation of power by the Board

44. Subject to the restrictions contained in section 292 and other applicable provisions of the Act, the Board may appoint any committee of Directors and delegate any of Board's powers to the Managing Director or Chairman of the Company or to any committees of the Board consisting of such members of the Board of Directors. The Board may also, from time to time, modify the composition of any such committee or dissolve any such committee. The Board may also from time to time modify or revoke the authority conferred on any such committee. Any such person, or the committee to whom the authority has been conferred, shall be bound by the terms that may be imposed by the Board from time to time in discharging their functions.

Resolution by Circulation

45. No resolution shall be deemed to have been duly passed by the Board or by a Committee of the Board thereof by circulation unless the resolution has been circulated in draft together with the necessary papers, if any, to all the Directors or to all the Members of the Committee as the case may be, and has been approved by such Directors of the Board or members of the Committee or by a majority of them as are entitled to vote on the said resolution.

Acts of Board of Committees valid notwithstanding defective appointment :

46. All acts done by any meeting of the Board or by a committee of the Board or by any person acting as a Director shall notwithstanding that it shall afterwards be discovered that there was some defect in the appointment of such Directors or persons acting as aforesaid or that they or any of them were disqualified or had vacated office or that the appointment of any of them had been terminated by virtue of any provisions contained in the Act or in these Articles be as valid and effective as if every such person had been duly appointed and was qualified to be a Director and has not vacated his office or his appointment had not been terminated provided that nothing in this Article shall be deemed to give validity to acts done by a Director after his appointment has been shown to the Company to be invalid.

Minutes of proceedings of the Board etc.

47. (1) The Company shall cause minutes of all proceedings of every meeting of the Board, any committee of the Board and of the members to be kept in accordance with section 193 of the Act.
- (2) The minutes of each such meeting shall contain a fair and correct summary of the proceedings thereat.
- (3) All appointments of officers made at any of the meetings aforesaid shall be included in the minutes of such meeting.
- (4) The minutes of the Board and of any committee of the Board shall also mention details of:
- a) The names of the Directors present at the meeting.
 - b) All orders made by the Board or committee of the Board; and
 - c) In the case of each resolution passed at the meeting, the name of the Director, if any, dissenting from, or not concurring with the resolution.
- (5) Nothing contained in sub-clauses (a) to (c) of 4 above, shall be deemed to require the inclusion in any such minutes of any matter which in the opinion of the Chairman of the meeting:-
- a) Is or could reasonably be regarded as, defamatory of any person.
 - b) Is irrelevant or immaterial to the proceedings.
 - c) Is detrimental to the interests of the Company.
- (6) The Chairman shall exercise an absolute discretion in regard to the inclusion or non-inclusion of any matter in the minutes on the grounds specified in sub-clauses above. Minutes of meetings kept in accordance with the aforesaid provisions shall be evidence of the proceedings recorded therein.

Powers of Directors

48. Subject to the provisions of the Act, the Board of Directors of the Company shall be entitled to exercise all such powers and to do all such acts and things as the Company is authorised to exercise and do Provided that:

(i) Board shall not exercise any power or do any act or things which is directed or required, whether by this Act or by any other enactment or by the Memorandum or Articles of the Company, or otherwise, to be exercised or done by the company in General Meeting.

(ii) In exercising any such power or doing any such act or thing, the Board shall be subject to the provisions contained in that behalf in the Act or any other enactment or in the Memorandum or Articles of the Company, or in any regulations not inconsistent therewith and duly made there under, including regulations made by the Company in a General Meeting, and

(iii) No regulations made by the Company in a General Meeting shall invalidate any prior act of the Board which would have been valid if that regulation had not been made.

Certain powers of the Board

49. Subject to the provisions of the Act, and without prejudice to the general powers conferred under this Article, it is hereby declared that the Board of Directors shall have the following powers namely:

a) To pay the costs, charges and expenses preliminary and incidental to the formation, promotion, establishment and registration of the company.

b) To purchase or otherwise acquire for the Company any moveable / immoveable property, asset which the company is authorised to acquire at such price or consideration and generally on such terms and conditions as the Board may think fit and in any such purchase or acquisition to accept such title as the Directors may believe or may be advised to be reasonably satisfactory .

c) To pay for any property, rights or privileges acquired by or services rendered to the Company, either wholly or in part, in cash or mortgages, and any such mortgages may be either specifically charged upon all or any part of the property of the Company.

d) To secure the fulfilment of any contracts of engagements entered into by the Company, by mortgage or charge of all or any of the property of Company and its uncalled capital for the time being or in such manner as they may think fit.

e) To accept from any member as far as may be permissible by law, surrender of his shares or any part thereof, on such terms and conditions as may be decided by the Board.

f) To appoint any person to accept and hold in trust for the Company any property belonging to the Company, or in which it is interested or for any other purposes and to execute and to do all such deeds and things as may be required in relation to any such trust and to provide for the remuneration of such trustee or trustees,

g) To institute, conduct, defend, compound or abandon any legal proceedings by or against the Company or its officers or otherwise concerning the affairs of the Company and also to compound and allow time for payment or satisfaction of any debts due and any claims or demands by or against the Company and to refer any difference to arbitration either according to Indian law or according to foreign law and either in India or Abroad and observe and perform or challenge any awards made thereon.

h) To make and give receipts, releases and other discharges for moneys payable to the Company, and for the claims and demands of the Company;

Subject to the applicable provisions of the Act, to invest and deal with any monies of the Company not immediately required for the purposes thereof, upon such security or without security and in such manner as they may think fit, and from time to time to vary or realize such investments.

i) To determine from time to time who shall be entitled to sign on the Company's behalf, bills, notes, receipts, acceptances, endorsements, cheques, dividend warrants, releases, contracts and documents and to give the necessary authority for such purpose.

j) To create and from time to time subscribe or contribute to provident fund and other associations, institutions, funds or trusts and by providing or subscribing or contributing towards places of instructions and recreation, hospitals and dispensaries, medical and other attendance and other assistance as the Board shall think fit and subject to the provisions of section 293(1)(e) and 293A of the Act to subscribe or contribute or otherwise to assist or to guarantee money to charitable, benevolent, religious, scientific, national or other institutions or object which shall have any moral or other claim to support or aid by the Company either by reason of locality of operation or of public and general utility or otherwise.

k) Before recommending any dividend, to set aside out of the profits of the Company, such sums as they may think proper towards and fund or account including without limitation, depreciation fund, an insurance fund, reserve fund, sinking fund or any special fund to meet contingencies, or towards redemption of any debentures or debenture stock, or for special dividends, or for equalizing dividends, or for repairing, improving, extending and maintaining any of the property of the Company, or for such other purposes as the Board may in their absolute discretion, think conducive to the interest of the Company. Subject to the provisions of section 292 of the act, till such time the amounts so set aside are required for specified purposes, to invest the several sums so set aside or so much thereof as required to be invested upon such investments (other than shares of the Company) as they think fit, and from time to time to deal with or vary such investments and dispose of any apply and expend all or any part thereof for the benefit of the Company, in such manner and for such purposes as the Board in their absolute discretion, think conducive to the interest of Company.

l) To appoint and at their discretion remove or suspend such officers, secretaries, assistants, supervisor, scientists, technicians, engineers, consultants, legal, medical or economic advisors, research workers, labourers, clerks, agents and servants for permanent, temporary or special services as they may from time to time think fit, and to determine their powers and duties and fix their salaries, or emoluments or remuneration, and to acquire security in such instances for such amounts as they may think fit.

m) At any time and from time to time by Power of Attorney under the seal of the Company, or otherwise to appoint any person or persons to be the authorised attorney or attorneys of the Company, for such purposes and with such powers, authorities and discretion and for such period and subject to such conditions the Board may from time to time think fit and any such power of Attorney may contain such powers for the protection of conscience of persons dealing with such attorneys as the Board may think fit and may contain powers enabling any such delegates or attorneys as aforesaid to sub-delegate all or any of the powers, authorities and discretion for the time being vested in them.

n) To enter into all such negotiations and contracts and rescind and vary all such contracts and execute and do all such acts, deeds and things in the name and on behalf of the Company as they may consider expedient.

o) To make, vary and repeal the regulations of the business of the Company, Board, and committee of the Board, any officers or servants of the Company.

enactment or these Articles or otherwise expressly directed to be exercised by the Company in a general meeting.

SECRETARY

50. Subject to the provisions of section 383 of the Act, the Board may from time to time, appoint an individual as the Secretary of the Company for such term and at such remuneration and upon such conditions as it may think fit and the Secretary so appointed may be removed by the Board.

THE SEAL

51. (1) The Board shall provide for the safe custody of the seal.
- (2) The seal of the company shall not be affixed to any instrument except by the authority of a resolution of the Board or of a committee of the Board authorised by it in that behalf, and except in the presence of at least two directors and of the secretary or such other person as the Board may appoint for the purpose; and those two directors and the secretary or other person aforesaid shall sign every instrument to which the seal of the company is so affixed in their presence.

The Seal and
its custody

DIVISION OF PROFITS AND DIVIDEND

52. The profits of the Company available for payment as dividend may be paid to the members, subject to any special rights relating thereto created or authorised to be created by these Presents with the approval of the Board of Directors.

Division of
profits

Declaration of dividend

53. The Company in General Meeting may declare a dividend to be paid to the members according to their respective rights and interest in the profits and may fix the time for payment but no dividend so declared by the Company shall exceed the amount as percentage as recommended by the Board.
54. The Directors may from time to time pay to the Members such interim dividends as in their judgment the financial position of the Company justifies.

Interim Dividend

ACCOUNTS

55. The Directors shall from time to time determine whether and to what extent and at what time and places and under what conditions or regulations the accounts and books of the Company or any of them shall be open to the inspection of the members (not being Directors) and no member (not being a Director) shall have any right of inspecting any account or book or document of the Company except as conferred by the law or authorised by the Board or by the Company in general meeting.

Inspection by members of accounts and books of the company

AUDIT

56. The Accounts of the Company shall be audited by the auditors of the Company, in terms of the applicable provisions of the Act.

Accounts to be audited annually

Appointment of Auditors

57. So long as the provisions of section 617 of the Act applies to the Company, the auditor or auditors of the Company shall be appointed or re-appointed on the advice of Comptroller and Auditor General of India in accordance with the provisions of section 619 of the Act.

The Comptroller and Auditor General of India shall have power to conduct a supplementary or test audit of the Company's accounts by such person or persons as he may deem fit on his behalf and for the purpose of such audit to require information or additional information to be furnished to any person or persons and in such form as the Comptroller and Auditor General may, by general special order, direct

The auditor or auditors aforesaid shall submit a copy of his or their audit report to the Comptroller and Auditor General of India who shall have right to comment upon or supplement the audit report in such manner as he may think fit

Any such comment upon or supplement to such report of the auditors of the Company shall be placed before the Annual General Meeting of the Company in the same manner as the report of the auditors of the company.

Auditor's right to attend meeting

58. The Auditors of the Company shall be entitled to receive notice of and to attend any General Meeting of the Company at which any account which have been examined or reported on by them are to be laid before the General Meeting of Company and may make any statement of explanation they desire with respect to the account.

when accounts to be deemed finally settled.

59. Every account of the Company when audited and approved by an annual general meeting shall be conclusive.

NOTICE

60. A notice may be given by the Company, to the persons entitled to any share in consequence of death or insolvency of a member by sending through the post in prepaid letter, addressed to them by name or by the title or as representative of the deceased or assignee of the insolvent or by any like description at the address if any, in India supplied for the purpose by the persons claiming to be so entitled or until such as address has been so supplied, by giving to notice in any manner in which the same might have been given if the death or insolvency has not occurred.

Notice on persons acquiring Shares on death or insolvency of Members.

Distribution of assets

61. If the Company shall be wound up and the assets available for distribution among the members as such shall be insufficient to repay the whole of the paid up capital, such assets shall be distributed so that as nearly as may be the losses shall be borne by the members in proportion to the capital paid up at the commencement of winding up, on the shares held by them respectively. And if in winding up, the assets available for distribution among the member shall be more than sufficient to repay the whole of the paid up capital, such assets shall be distributed amongst the members in proportion to the original paid up capital as the shares held by them respectively. But this clause is to be without prejudice to the rights of the holders of shares issued upon special terms and conditions.

SECRECY

62. No member shall be entitled to visit or inspect the Company's works without the permission of a Director or to require discovery of or any information respecting any details of the Company's business or any matter which is or may be in the nature of a trade secret or secret process which may relate to the conduct of the business of the Company and which in the opinion of the Directors, will not be in the interest of the Company.

Annexure 4.11

Supporting document for City Mobility Plan



**AGARTALA MUNICIPAL CORPORATION
AGARTALA**

File No.:447/EE/PD/AMC/2015/2990-2993

Dated: Agartala, 17-03-2016

Letter of Intent

To,
Mr. Ankush Malhotra,
Assistant Vice President,
Urban Mass Transit Company Limited,
2no Floor, Corporate Office Tower,
Ambience Mall Complex, NH 8,
Gurgaon, Haryana, India –122002

Sub: Consultancy Services for preparation of revised Comprehensive Mobility Plan (CMP) for Agartala City; Letter of Intent-reg.

Dear Sir,

This is with reference to your financial offer and the subsequent discussions held with Mr. Kishor Nathani, Sr.VP, UMTC Ltd., New Delhi for “Preparation of revised Comprehensive Mobility Plan (CMP) for Agartala City”

The Authority of Agartala Municipal Corporation intends to assign the job of “Preparation of revised Comprehensive Mobility Plan (CMP) for Agartala City”.

You are requested to let the Commissioner, Agartala Municipal Corporation may know the possible source of funding from MoUD, GoI for this project at the earliest and also send your representative for negotiation & finalization of rates of subjected contract.

Yours faithfully


(Dr. Milind Ramteke, IAS)
Municipal Commissioner
Agartala Municipal Corporation

Copy to: -

1. The Superintendent Engineer, AMC for information
2. The Executive Engineer, Planning Division, AMC for information and necessary action please.

Copy also forwarded to:-

2. The Hon'ble Mayor, AMC for kind information please.


Municipal Commissioner
Agartala Municipal Corporation

Annexure 4.12

Supporting document for AMRUT

Name of City : Agartala, Tripura

FY 2015-16

Table 2.2 : SLIP - Details of Prioritized Projects Proposed under AMRUT during current FY : Sector Wise

Particulars → Sector	Project Name and Code ⁷	Infrastructure Improvement				
		Physical Components	Change in Service Levels			
			Indicator	Existing (As-is)	After (To-be)	Estimated Cost (Amount Rs. in crore)
Water Supply	1. Ground water Treatment Plants (5 nos.) for extended AMC areas not covered under JNNURM & ADB Projects (AMRUT/TR/AGT/WS/01) 2. Construction of Overhead Tanks (6 Nos.) for creation of an additional capacity of 78 lakh gallon for extended AMC areas not covered under JNNURM & ADB Projects (AMRUT/TR/AGT/WS/02) 3. Construction of distribution main pipeline(122 km.) in extended AMC areas not covered under JNNURM & ADB Projects (AMRUT/TR/AGT/WS/03)	1. Ground water Treatment Plants (1 no.) for extended AMC areas not covered under JNNURM & ADB Projects	Household level coverage of direct water supply connections	70%	80%	32.25
			Per capita quantum of water supplied	70 lpcd	80 lpcd	
		2. Construction of Overhead Tanks (1 no.) for creation of an additional capacity of 78 lakh gallon for extended AMC areas not covered under JNNURM & ADB Projects	Quality of water supplied	100%	100%	
Sewerage and Septage Management	4. Construction of sewerage pipeline in North zone of AMC, not covered so far.(25 km) (AMRUT/TR/AGT/Sewerage/01) 5. Septage management for South & East zones of AMC(1 unit) (AMRUT/TR/AGT/Sewerage/02)	4. Construction of sewerage pipeline in North zone of AMC, not covered so far.(5 km)	Coverage of latrines (individual or community)	86%	90%	17.50
		5. Septage management for South & East zones of AMC(1 unit)	Coverage of sewerage network services	0%	10%	
			Efficiency of collection of Sewerage	0%	10%	
			Efficiency in treatment	0%	10%	

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Name of City : Agartala, Tripura

Current Mission Period (2015-20)

**Table 2.1 : SLIP – Master Plan of all projects to achieve universal coverage of water supply and sewerage during current Mission period
(FYs 2015-16 to 2019-20)**

Sr. No.	Project Name and Code ⁶ (list all projects to achieve universal coverage in the City separately for water supply and sewerage)	Infrastructure Improvement			
		Change in Service Levels			Estimated cost (Amount Rs. in crore)
		Priority number	Year in which to be implemented	Year in which proposed to be completed	
1	Groundwater Treatment Plants (5 nos.) for extended AMC areas not covered under JNNURM & ADB Projects (AMRUT/TR/AGT/WS/01)	1	2015-16 to 2020-21	2020-21	35.00
2	Construction of Overhead Tanks (6 Nos.) for creation of an additional capacity of 78 lakh gallon for extended AMC areas not covered under JNNURM & ADB Projects (AMRUT/TR/AGT/WS/02)	2	2015-16 to 2020-21	2020-21	113.00
3	Construction of distribution main pipeline (122 km.) in extended AMC areas not covered under JNNURM & ADB Projects (AMRUT/TR/AGT/WS/03)	3	2015-16 to 2020-21	2020-21	30.50
4	Construction of sewerage pipeline (25 km.) in North zone of AMC, not covered so far. (AMRUT/TR/AGT/Sewerage/01)	4	2015-16 to 2020-21	2020-21	12.50
5	Septage management for South & East zones (1 unit) of AMC (AMRUT/TR/AGT/SEWERAGE/02)	5	2015-16 to 2020-21	2020-21	15.00
					206.00


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 Executive Engineer
 Planning Division
 Agartala Municipal Corporation.


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 Superintending Engineer,
 Agartala Municipal Corporation,
 Agartala.

Storm Water	6. Construction of major drains (covered)(100 km) (AMRUT/TR/AGT/Drainage/01)	6. Construction of major drains (covered)(16.8 km)	Coverage of storm water drainage network	5%	10%	50.46
Urban Transport	7. Construction of footpath & walkways over covered drains, etc (AMRUT/TR/AGT/Transport/01)	7. Construction of footpath & walkways over covered drains, etc	Service coverage of urban transport in the city	80%	85%	2.89
			Availability of urban transport per 1000 population	20%	25%	
Others	8. Development of parks & open spaces around water bodies (7 water bodies) (AMRUT/TR/AGT/Others/01)	8. Development of parks & open spaces around water bodies (1 no)	Park Development	20%	30%	8.74
Grand Total						111.84

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Name of City : Agartala, Tripura

FY 2015-16

Table 2.3.1 : SLIP Proposed Funding and Sharing Pattern for Priority Projects: Sector Wise
(Amount Rs. in crore)

Sector	Total Project Cost	Share				
		Gol	State	ULB	Others	Total
Water Supply	178.50	160.65	17.85	-	-	178.50
Sewerage and Septage Management	27.50	24.75	2.75	-	-	27.50
Drainage	300.00	69.93	7.77	-	222.30	300.00
Urban Transport	8.60	7.74	0.86	-	-	8.60
Others	13.00	11.70	1.30	-	-	13.00
Total	527.15	274.77	30.53	-	222.30	527.15

Name of City : Agartala, Tripura

FY 2015-16

Table 2.3.2 : SLIP Source of Funds from Gol/State/ULB(for all sectors and prioritized projects)

(Amount Rs. In crore)

Source	Source of Funds						Total
	Grant	Own fund	14 th FC	Debt	Others (Including PPP)	Convergence	
Gol	274.77	-	-			200.07	474.84
State	-	30.53	-			22.23	52.76
ULB	-	-	-			-	-
Total	274.77	30.53	-			222.30	527.60

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Name of City : Agartala City

FY 2015-16

Table 2.4: SLIP year Wise breakup of Investments (for all sectors)

(Amount Rs. in Crore)

Sector	Share			
	Govt	State	ULB	Total
Total Cost of Projects approved till last year (a)	0	0	0	0
Cost of projects Proposed during the year (b)	54.58	6.06	0	60.64
Amount Spent till last year (c)	0	0	0	0
Committed Expenditure (d) = (a+b-c)	54.58	6.06	0	60.64
Proposed Spending during Current Financial year (new and old projects) (e)	54.58	6.06	0	60.64
Balance Carry Forward for Next Financial Years (f)=(d) - (e)	0	0	0	0

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Table 2.5: SLIP - Plan for Achieving Service Level Benchmarks

Proposed Projects	Total Project Cost	Indicator ⁸	Baseline ⁹	Annual Targets (Increment from the Baseline Value)					
				FY 2016		FY 2017	FY 2018	FY 2019	FY 2020
				H1	H2				
Water Supply									
	178.50	1. Household level coverage of direct water supply connections	70%	-	80%	85%	90%	95%	100%
		2. Per capita quantum of water supplied	70 lpcd	-	80 lpcd	85 lpcd	90 lpcd	95 lpcd	135 lpcd
		3. Quality of water supplied	100%	-	100%	100%	100%	100%	100%
Sewerage and Septage Management									
	27.50	4. Coverage of latrines (individual or community)	86%	-	90%	100%	--	--	--
		5. Coverage of sewerage network services	0%	-	10%	30%	40%	50%	60%
		6. Efficiency of Collection of Sewerage	0%	-	10%	30%	40%	50%	60%
		7. Efficiency in treatment	0%	-	10%	30%	40%	50%	60%
Drainage									
	300.00	8. Coverage of storm water drainage network	5%	-	15%	20%	25%	30%	30%
Urban Transport									
	8.60	9. Service coverage of urban transport in the city	80%	-	80%	85%			85%
		10. Availability of urban transport per 1000 population	20%	-	25%	30%	35%	45%	60%
Others									
	13.00	Development of Parks and green spaces in Agartala City	20%	-	25%	30%	35%	40%	40%

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Name of City : Agartala

FY : 2015-16

Table 2.6 : SLIP – Reporting of Physical and Financial Progress of the Projects Under the Mission During Last Financial Year

Name of the Project	Target of Last year		Achievement of Last year		Variance		Reason for Variance
	Physical %	Financial %	Physical %	Financial %	Physical %	Financial %	

Not applicable for current year

ND.
30-12-15
Executive Engineer
Planning Division
Agartala Municipal Corporation.

ND.
30-12-15
Superintending Engineer,
Agartala Municipal Corporation.
Agartala

K-14012/180/2015 SC-II
Government of India
Ministry of Urban Development
AMRUT Division

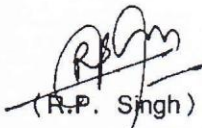
Nirman Bhawan, New Delhi
Dated: 23rd March, 2016

OFFICE MEMORANDUM

Subject: Minutes of 8th Meeting of Apex Committee under the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) regarding.

The undersigned is directed to forward herewith the minutes of 8th meeting of Apex Committee held under the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) on 15.03.2016 for information and necessary action.

Encls. As above.


(R.P. Singh)
Under Secretary (AMRUT)
Telephone: 011-23061407

To,

1. Secretary (Department of Expenditure).
2. Secretary (Department of Economic Affairs).
3. Principal Advisor (HUD), NITI Ayog
4. Secretary (Drinking Water & Sanitation).
5. Secretary (Housing & Urban Poverty Alleviation).
6. Secretary (Environment, Forest & Climate Change).
7. Joint Secretary (PF-II), Department of Expenditure.
8. Joint Secretary & FA, MoUD.
9. OSD (UT), MoUD.
10. Adviser (CPHEEO).
11. Chief Planner, TCPO, Vikas Bhawan, IP Estate, New Delhi.
12. Director, NIUA, India Habitat Centre, New Delhi.
13. Secretary (UD), Department of Urban Development & Housing, Govt. of Arunachal Pradesh, Civil Secretariat, Itanagar.
14. Secretary (UD), Department of Municipal Administration, Housing & Urban Development (MAHUD), Manipur Secretariat, South block, Govt. of Manipur, Imphal-795001.
15. Secretary (UD), Planning & Urban Development, Civil Secretariat, Government of Nagaland, Kohima-797001
16. Secretary (UD & Housing), Deptt. of UD & Housing, Govt. of Sikkim, NH-31A, Gangtok, Sikkim - 737 101
17. Secretary Local Government-cum-Home Secretary, Chandigarh Administration, Union Territory of Chandigarh - 160009
18. The Secretary (UD) / Director of Local Bodies (DLB), Urban Development Department (UDD), Govt of NCT Delhi, New Delhi.

Copy to:

- i. PSO to Secretary (UD)
- ii. PPS to AS(UD), PPS to AS (SC)
- iii. PS to JS(UD & A), PS to JS(SBM), PS to Director (AMRUT), PS to Director(UT-1)
PS to DS (NURM).
- iv. Sr. Technical Director (NIC), MoUD, Nirman Bhawan (with request to upload the minutes on the AMRUT website)

Atal Mission for Rejuvenation and Urban Transformation (AMRUT)

States/UTs wise allocation of Central Funds for 2016-17

Rs. in crores

S.No.	State/UT	Percentage share of States/UTs (50:50 (Urbanization: No of Statutory Towns)	Amount of CA for which SAAP to be submitted by State /UTs	A&OE Shares of States/UTs	Amount to be released as 1st installment on SAAP approval
1	A&N Islands	0.03%	3.6	0.096	0.72
2	Andhra Pradesh	2.93%	351.6	9.376	70.32
3	Arunachal Pradesh	0.35%	42	1.12	8.40
4	Assam	1.64%	196.8	5.248	39.36
5	Bihar	3.23%	387.6	10.336	77.52
6	Chandigarh	0.15%	18	0.48	3.60
7	Chhattisgarh	2.80%	336	8.96	67.20
8	Daman & Diu	0.05%	6	0.16	1.20
9	Dadra & Nagar Haveli	0.03%	3.6	0.096	0.72
10	Delhi	2.23%	267.6	7.136	53.52
11	Goa	0.29%	34.8	0.928	6.96
12	Gujarat	5.74%	688.8	18.368	137.76
13	Haryana	2.12%	254.4	6.784	50.88
14	Himachal Pradesh	0.76%	91.2	2.432	18.24
15	Jammu & Kashmir	1.48%	177.6	4.736	35.52
16	Jharkhand	1.57%	188.4	5.024	37.68
17	Karnataka	6.43%	771.6	20.576	154.32
18	Kerala	3.22%	386.4	10.304	77.28
19	Lakshadweep	0.01%	1.2	0.032	0.24
20	Madhya Pradesh	7.19%	862.8	23.008	172.56
21	Maharashtra	9.80%	1176	31.36	235.20
22	Manipur	0.45%	54	1.44	10.80
23	Meghalaya	0.20%	24	0.64	4.80
24	Mizoram	0.35%	42	1.12	8.40
25	Nagaland	0.30%	36	0.96	7.20
26	Odisha	2.21%	265.2	7.072	53.04
27	Puducherry	0.18%	21.6	0.576	4.32
28	Punjab	3.34%	400.8	10.688	80.16
29	Rajasthan	4.47%	536.4	14.304	107.28
30	Sikkim	0.10%	12	0.32	2.40
31	Tamilnadu	13.19%	1582.8	42.208	316.56
32	Telangana	2.31%	277.2	7.392	55.44
33	Tripura	0.37%	44.4	1.184	8.88
34	Uttar Pradesh	13.65%	1638	43.68	327.60
35	Uttarakhand	1.48%	177.6	4.736	35.52
36	West Bengal	5.35%	642	17.12	128.40
	Total	100%	12000	320	2400

K-14012/180/2015 SC-II
Government of India
Ministry of Urban Development
AMRUT Division

Nirman Bhawan, New Delhi

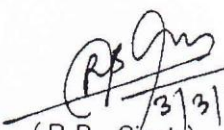
Dated: 3rd March, 2016

OFFICE MEMORANDUM

Subject: 7th Meeting of Apex Committee under the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) regarding.

The undersigned is directed to forward herewith the minutes of 7th meeting of Apex Committee held under the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) on 23.02.2016 for information and necessary action.

Encls. As above.


(R.P. Singh)
3/3/2016

Under Secretary (AMRUT)

Telephone: 011-23061407

To,

1. Secretary (Department of Expenditure).
2. Secretary (Department of Economic Affairs).
3. Principal Advisor (HUD), NITI Ayog
4. Secretary (Drinking Water & Sanitation).
5. Secretary (Housing & Urban Poverty Alleviation).
6. Secretary (Environment, Forest & Climate Change).
7. Joint Secretary (PF-II), Department of Expenditure.
8. Joint Secretary & FA, MoUD.
9. OSD (UT), MoUD.
10. Adviser (CPHEEO).
11. Chief Planner, TCPO, Vikas Bhawan, IP Estate, New Delhi.
12. Director, NIUA, India Habitat Centre, New Delhi.
13. Additional Chief Secretary, Urban Affairs Department, Government of Meghalaya, Addl. Secretariat, R.No.412, Shillong 793001
14. Principal Secretary, Urban Development Department, Agartala, Tripura.
15. Secretary, PWD, Goa.
16. Commissioner- cum- Secretary, Town Planning, Puducherry.
17. Commissioner & Secretary, H & UDD, J&K.
18. Secretary, Urban Development Department, Assam.

Copy to:

- i. PSO to Secretary (UD)
- ii. PPS to AS(UD), PPS to AS (SC)
- iii. PS to JS(UD), PS to JS(SBM), PS to Director (AMRUT), PS to DS (NURM).
- iv. Sr. Technical Director (NIC), MoUD, Nirman Bhawan (with request to upload the minutes on the AMRUT website)

MoUD separately, should be sought in accordance with the applicable instructions.

- iv. State Govt. need to clearly indicate about all mandatory clearances for the projects. No projects should be approved by State Level Technical Committee (SLTC) which do not have land available and no work order should be issued till receipt of all clearances from all concerned departments/authorities.
- v. Action Plan for re-cycling/re-use of waste water and reduction of NRW should be placed before the State Level Technical Committee (SLTC) at the time of appraisal of DPRs.
- vi. The break-up of coverage with sewerage network (centralized and decentralised) and septage (septic tanks) may be clearly brought out during DPR approval by SLTC.
- vii. Estimates in the SAAP should be based on SSR and not on market rates.
- viii. Water quality should also be analysed at the consumer end.
- ix. Capacity Building details to be provided to NIUA/MoUD. A useful starting point will be to train all engineers who have made the SLIPs/SAAP.
- x. Implementation of reforms will make States/UTs eligible for annual incentive. In order to get incentives reforms should be broken up into activities with timelines and sent to TCPO by the State Mission Director.

After detailed discussions the Apex Committee approved the State Annual Action Plan amounting to Rs. 18.97 crore with Central share of Rs. 18.97 crore and release of first instalment of Rs.3.79 Crore of Central share as per Mission Guidelines. Committee also approved the Central assistance of Rs.0.59 crore under A&OE head for the year 2015-16.

IV. Tripura

The presentation on behalf of the State Government was made by Shri Angshuman De, Director, Urban Development, Government of Tripura.

Initiating the discussion, the Principal Secretary stated that Tripura has got only one city covered under AMRUT and that it should get one more city, either Udaipur or Dharamपुरi, covered in the category of hill towns. The AS (UD) stated that the inclusion of cities will be considered in accordance with the guidelines.

The Director presented the urban scenario in the State. Out of the total urban population of 7.73 lakh, 4.38 lakh is getting benefitted through coverage of Agartala city under AMRUT. The city is getting convergence through Smart City Mission of the Ministry and also through other resources under Finance Commission etc. It was informed that coverage in water supply is about 70% with water supply of 70 LPCD. Under sewerage sector, the coverage of latrines is 86%, though the sewerage network is non-existent. The city is also

not collecting any sewerage for treatment. It was also stated that city also faces problem of drainage. The Director informed that to improve sewerage scenario the ADB is supporting projects in Agartala for septage management. The Director presented the details of the projects proposed to be taken up in each of the sectors. It was stated that State Government has proposed to take up Rs.26 crore worth of projects in water supply sector, Rs.2.5 crore in sewerage, Rs.4 crores in drainage, Rs.2.12 crore in urban transport and another Rs.2 crore worth of project in green spaces.

The AS (UD) observed that the water supply and sewerage sector require investment for universal coverage and should be given first priority in accordance with the Mission guidelines. The National Mission Director suggested that the investment proposed for drainage and urban transport should ideally be taken up in priority sectors only and the State Government should change the proposed investment accordingly. The Principal Secretary agreed to the suggestion and proposed to shift the investment proposed in drainage and urban transport to water supply and sewerage sectors. It was also noted that investment proposed in green spaces is more than the allowable limit of 2.5% and requested the State Government to bring it in the limits. The State Government agreed to this as well.

The Director also informed that the State Government has notified the Rules for assessment of property tax and are likely to start collecting property tax soon which will improve the financial health of the ULBs.

The Director, NIUA observed that required details are not available in SLIP. The reason may be that the process for preparation of SLIP may not have been followed. There is no detail of incremental change in the service level as a result of implementation of projects. The AS(UD) observed that SLIP is an important tool to understand the status of service level and to plan for filling the gap through subsequent SAAPs. Therefore, the State should put in serious effort in preparing the SLIP as comprehensively and accurately as possible.

The State Government pointed out the lack of skills in Tripura on technical matters like GIS planning and other important reforms. It was suggested by AS (UD) that the Mission may look at developing expertise in organisations like IIT Guwahati and NEHU, Shillong and NITs in the States.

The Chief Planner, TCPO observed that timeline has been given for all the reforms. However, State needs to expedite the implementation of reforms within prescribed timeline for reforms.

The Director, Department of Expenditure highlighted the problem of traffic during peak hours in Agartala and also desired to know how the State is managing the solid waste. The State Government responded that they are preparing the urban mobility plan for the city and are likely to address the problem of congestion through the Smart Cities Mission.

The Director, NITI Ayog stressed the need for recycle and reuse of waste water and desired that the State Government should look at the sewerage treatment plant become operational.

The JS (SBM) expressed concern that the State Government has not accepted the SBM as one of the programmes for implementation and requested the State Government to do the same as the SBM is a national priority. The State Government informed that they have decided to adopt the Mission.

The National Mission Director while summarising the discussion proposed that the State HPSC/SLTC may adhere to the following points, especially while considering approval of DPRs by SLTC and proposed that the Committee may consider approval of SAAP of Govt. of Tripura:

- i. The State Government shall submit the revised SAAP for records after reallocating the funds from non priority sectors to water supply and sewerage sectors as agreed.
- ii. The State Government shall revise the SLIP to capture all relevant details.
- iii. No incomplete projects of JnNURM be taken up under AMRUT. The funding for those JnNURM projects which are eligible for continued support, as informed by MoUD separately, should be sought in accordance with the applicable instructions.
- iv. State Govt. need to clearly indicate about all mandatory clearances for the projects. No projects should be approved by State Level Technical Committee (SLTC) which do not have land available and no work order should be issued till receipt of all clearances from all concerned departments/authorities.
- v. Action Plan for re-cycling/re-use of waste water and reduction of NRW should be placed before the State Level Technical Committee (SLTC) at the time of appraisal of DPRs.
- vi. The break-up of coverage with sewerage network (centralized and decentralised) and septage (septic tanks) may be clearly brought out during DPR approval by SLTC.
- vii. Estimates in the SAAP should be based on SSR and not on market rates.
- viii. Water quality should also be analysed at the consumer end.
- ix. Capacity Building details to be provided to NIUA/MoUD. A useful starting point will be to train all engineers who have made the SLIPs/SAAP.
- x. Implementation of reforms will make States/UTs eligible for annual incentive. In order to get incentives reforms should be broken up into activities with timelines and sent to TCPO by the State Mission Director.

After detailed discussions the Apex Committee approved the State Annual Action Plan amounting to Rs. 36.62 crore with Central share of Rs. 32.96 crore and release of first instalment of Rs.6.59 Crore of Central share as per Mission Guidelines. Committee also approved the Central assistance of Rs.1.02 crore under A&OE head for the year 2015-16.

V. Jammu & Kashmir

The presentation on behalf of the State Government was made by Shri Bipul Pathak, Principal Secretary, Urban Development, Government of Jammu & Kashmir.

Presenting the SAAP he informed that four towns have been selected under the Mission. Leh being added later.

The State Government has given first priority to water supply sector till universal coverage is attained. In Jammu and Kashmir, the water supply service function is not transferred to urban local bodies, water supply schemes are carried out by PHE and I&FC department.

Jammu and Kashmir has four AMRUT cities - Jammu, Srinagar, Anantnag and Leh. The current service level benchmark for water supply as per SLIPs submitted indicates that the benchmark of 135LPCD has been achieved in Anantnag Town. For the other three cities ongoing schemes of water supply are mentioned in the Service Level Improvement Plan. As per SAAP with the completion of these ongoing schemes (Jammu (19 ongoing projects), Srinagar (3 ongoing projects), Anantnag (1 ongoing project)), the present deficit is expected to be achieved. Therefore, the State Government has proposed projects water supply projects only in Leh.

In case of sewerage network, as per SLIPs detailed project reports (DPR) are prepared and are expected to be implemented with support from JICA/ADB/14th Finance Commission award. Considering the profile of terrain in Jammu and Kashmir, septage treatment through alternate/innovative methods and purchase of septage machinery and equipment is proposed. Thus, the sewerage sector is being taken care of through external funding. The project to be funded through JICA has been recommended by the MoUD and is in the advance stage in DEA. The project has posed investment of Rs.1400 crores in Jammu and another Rs.1526 crores in Srinagar.

In light of heavy floods in 2014, the state has accorded priority to improvement of drainage network in three AMRUT towns - Srinagar, Jammu and Anantnag while prioritizing the projects for 2015-16 SAAP.

Taking into account the current service level benchmark, ongoing projects, state specific situation, rationale for prioritization of storm water drainage projects in 2015-16 SAAP, the State Government requested the approval to the SAAP with projects as proposed.

The Director, NIUA giving analytical view on SLIP observed that incremental plan to achieve service level is not captured. State Government need to give comprehensive roadmap for achieving the mandated benchmark.

Annexure 4.13

Supporting document for MNRE

No. 5/4/2013-14/SC
Government of India
Ministry of New & Renewable Energy
(Solar Energy Group)

Block NO. 14, CGO Complex, Lodi Road,
New Delhi-110 003,
Dated: 17th January, 2014

To
Heads of State Nodal Agencies,
Municipal Commissioners/ Municipalities
Institutions/Universities/Construction companies/Developers

Subject: Implementation of the "Development of Solar Cities Programme" during 2013-14 and rest of 12th Five Year Plan.

Sir,

I am directed to convey the sanction of the Government of India for implementation of the on "**Development of Solar Cities Programme**" during 2013-14 and rest of the 12th Five Year Plan period as per the details given below:

2. Goals and Objectives

The Goal of the program is to promote the use of Renewable Energy in Urban Areas by providing support to the Municipal Corporations for preparation and implementation of a Road Map to develop their cities as Solar Cities. The objectives of the programme are given below:

- to enable/empower Urban Local Governments to address energy challenges at City - level.
- to provide a framework and support to prepare a Master Plan including assessment of current energy situation, future demand and action plans
- to build capacity in the Urban Local Bodies and create awareness among all sections of civil society.
- to involve various stakeholders in the planning process
- to oversee the implementation of sustainable energy options through public - private partnerships.

3. Physical Targets

3.1 The target of total 60 cities/towns/Urban Agglomerations (Class I – III) duly notified by the Municipal Authorities/Local Governments with at least one in each State (including 45 Solar Cities already sanctioned i.e. 15 Nos. additional Solar Cities) has been set for the 2013-14 and rest of the 12th Five Year Plan period. The targets will be achieved by providing support for preparation of a Master Plan for their city; setting up of a 'Solar City Cell' in the Council/Administration, organizing training programmes/ workshops/ business meets for various stakeholders such as elected representatives of the municipal bodies, municipal officials, architects/engineers, builders and developers, financial institutions, NGOs, technical institutions, manufactures and suppliers, RWAs etc. and on creation of public information and awareness.

3.2 The total 15 Cities (including 10 Pilot Solar Cities already sanctioned i.e. 5 Nos. additional Pilot Solar Cities) within the above target are proposed to be developed as '**Pilot Solar Cities**'.

3.3 Out of above target of 60 cities, total eight cities (including 4 Model Solar Cities already sanctioned i.e. 4 Nos. additional Model Solar Cities) are also proposed to be developed as '**Model Solar Cities**' with part financial support for installation of renewable energy and energy conservation projects/devices/systems in the city.

3.4 Apart from 60 Solar cities, about 100 **small townships/campuses** including new and the existing one, duly notified/permitted by the concerned Authorities being developed by the promoters/builders, SEZs/ industrial towns, Institutional campus etc. for preparation of Master Plan/DPR including the action plan for renewable energy installations, green campus development, awareness generation and trainings etc. will be covered.

4. Implementation Arrangements

The programme will be implemented through State Nodal Agencies/Urban Local Bodies or other corporate houses for respective cities. For townships and Institutional Campuses the respective organizations may also be involved. The detailed Guidelines for implementation of the scheme and financial provisions for various activities are given in the **Annexure** enclosed.

5 Monitoring Mechanism

The State Nodal Agencies/the Implementing Agencies will set up arrangements to closely monitor the implementation of their projects covered under the scheme. The agencies will furnish progress reports and other information to MNRE and SNAs on a regular basis. The Ministry will also monitor the progress of the scheme independently, including third party inspection and reporting.

6. Expenditure

An expenditure of Rs. 95.00 crore is expected to be incurred under the "Development of Solar Cities Programme" during 2013-14 and rest of the 12th Five Year Plan. Funds to the tune of Rs.8 crore have been earmarked for expenditure during 2013-14.

The expenditure will be debited from the budget head: Demand No. 69, Major Head 2810-New and Renewable Energy, 103-Renewable Energy for Urban, Industrial and Commercial Applications, 01- ST, SPV and other RE Systems, 01-Renewable Energy Application, 33-Subsidy during 2013-2014 (Plan).

7. This sanction issues in exercise of powers delegated to this Ministry and with the concurrence of IFD dated 31/12/2013 vide their Dy. No. IFD/ 2242/2013-2014 dated 31/12/2013. This supersedes the all previous Administrative Approvals No. 3/5/2007/UICA (SE) dated 28.02.2008 & Addendum No.3/1/2008-UICA(SE) dated 28.02.2009, No.5/10/2010-11/ST dated 24.01.2011.

Yours faithfully,



(Dr. Arun K Tripathi)
Director /Scientist 'F'

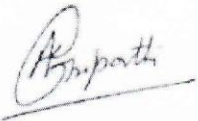
Email: aktripathi@nic.in; Phone: 011-24360707

Copy is forwarded for information and necessary action to:--

1. Director of Audit, Scientific Audit-II, DACR Building. I.P. Estate, Delhi-110002
2. Secretary, Ministry of Urban Development, Nirman Bhawan, New Delhi
3. Secretary, Ministry of Housing & Poverty Alleviation, Nirman Bhawan, Maulana Azad Road, New Delhi - 110011
4. C&MD, IREDA, August Kranti Bhawan, Bhikaiji Cama Place. New Delhi.
5. Chairman, Solar Energy Corporation of India, NBCC Plaza, Tower- 1, 4th Floor, Pushp Vihar, Sector-V, Saket, New Delhi-110017
6. Director General, Bureau of Indian Standards, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi-11002
7. Regional Offices - Guwahati and Bhubaneswar, MNRE
8. Director General Bureau of Energy Efficiency, Sewa Bhawan, R. K. Puram, Sector 1, New Delhi – 110066.

Internal Distribution:

1. PS to Minister, NRE
2. PSO to Secretary, MNRE
3. JS (TK)/JS (AS)
4. JS & FA, MNRE
5. Adviser (NPS)/ Adviser (AKD)/ Adviser (PS)
6. Adviser & Head, Solar Energy Centre, Gurgaon
7. All Scientist 'F'/ Scientist 'E'/ Directors of Solar Energy Group
Dy. Secy (F) / US (F) / SO (F)
8. Director (NIC) with the request to upload this on the MNRE's website
9. Cash Section
10. Pay & Account Officer, MNRE
11. Sanction folder



(Dr. Arun K. Tripathi)
Director/Scientist 'F'

Guidelines for implementation of the “Development of Solar Cities Programme”

1.0 Background

1.1 About 30% (285.35 million people, 2001 census) of the Indian population resides in urban areas. In post-independence era while population of India has grown three times, the urban population has grown five times. Urban areas are heavily dependent on fossil fuels (often imported), for the maintenance of essential public services, for powering homes, transport systems, infrastructure, industry and commerce. The fossil fuels are increasingly becoming more expensive due to scarcity of fuel and increase in demand. In addition to this, the environmental and social impacts of the consumption of fossil fuels are increasingly becoming a concern. These impacts include air pollution, global warming, waste disposal problems, land degradation and the depletion of natural resources.

1.2 Urbanization and economic development are leading to a rapid rise in energy demand in urban areas. Urban areas have emerged as one of the biggest sources of Green House Gas (GHG) emissions, with buildings alone contributing to around 40% of the total GHG emissions. As per latest UN report one million people are moving to urban areas each week. It is estimated that around two-thirds of the world population will be living in cities in 2050. This requires a tremendous shift in energy resources in urban areas. In recognition of this, various cities around the world are setting targets and introducing policies for promoting renewable energy and reducing GHG emissions. London has announced 20% Carbon emission reduction by 2010; New York and 200 other U.S. cities have set a similar target. Tokyo has announced 20% share of renewables in total consumption by 2020 and Australian government has initiated a Solar Cities programme.

1.3 Several Indian cities and towns are experiencing 15% growth in the peak electricity demand. The local governments and the electricity utilities are finding it difficult to cope with this rapid rise in demand and as a result most of the cities/towns are facing severe electricity shortages. There is a need to develop a framework that will encourage and assist cities in assessing their present energy consumption status, setting clear targets for and preparing action plans for generating energy through renewable energy sources and in conserving energy utilized in conducting urban services.

1.4 The proposed programme on “Development of Solar Cities” would support/encourage Urban Local Bodies to prepare a Road Map to guide their cities in becoming ‘renewable energy cities’ or ‘solar cities’ or ‘eco/green cities’. The Ministry has already initiated various programmes in the Urban Sector for promoting solar water heating systems in homes, hotels, hostels, hospitals and industry; deployment of SPV systems/devices in urban areas for demonstration and awareness creation; establishment of ‘Akshya Urja Shops’; design of Solar Buildings and promoting urban and industrial waste/ biomass to energy projects. The programme aims to consolidate all the efforts of the Ministry in the Urban Sector and address the energy problem of the urban areas in a holistic manner.

2.0 Major activities to be conducted in the Programme

2.1 The Program has been designed to address challenges in delivering sustainable energy at city level through following activities:

2.1.1 Preparation of a **Master Plan** within a period of one year from the date of sanctioning by the Ministry. The Master Plan should be prepared as per the guidelines and format prescribed by the Ministry. The Master Plan prepared in the prescribed format would provide total and sector-wise projections for energy demand and supply for next 10 years. Further, it would provide a complete sector-wise base-line on energy utilization and GHG emissions in the city. Year-wise targets for energy conservation, renewable energy addition and GHG abatement along with the action plan for implementation will be clearly brought out in the Master Plan. Potential sources of funding from respective organizations (both public and private) for providing financial support will be identified. Before finalization, the draft Master Plan would be discussed in a Stakeholders Consultation Workshop having representation from elected representatives, local research and academic institutions, resident welfare associations, industries and corporate organizations, NGOs, SNA, etc. The Master Plan will also contain few implementable Detailed Project Reports which could be submitted by the Implementing Agency for sanction. The Master Plan will ensure reduction in their energy consumption from the existing level and consequent reduction in CO₂ emissions.

2.1.2 Setting up of "**Solar City Cell**" in the City Council including Senior Administrator and City Engineers, representative of SNAs for planning and implementation. The Solar City Cell will comprise of at least one dedicated technical trained person (at least engineering graduate) supported by a secretarial person who may be exclusively recruited for the day to day activities in the field of renewable energy/energy efficiency etc.. The development of suitable proposals will also be the responsibility of the Solar City Cell. The recruitment of trained / qualified persons for Solar City Cells for respective Solar Cities may be done by MNRE/SNAs to facilitate the Solar Cities. The other persons of the Solar City Cell may be nominated by the Municipal Corporation from their existing Officers/Engineers. The concerned Municipal Corporation/SNA will provide supporting infrastructure office space, and other office expenses etc..

2.1.3 A "**Solar City Stakeholders Committee**" will be set up for advisory support involving representation from elected representatives in the municipal bodies, local research and academic institutions, resident welfare associations, industries and corporate organizations, NGOs, State Nodal Agencies and other relevant stakeholder.

2.1.4 Organizing training programmes/ workshops/ business meets/ awareness camps etc. for various stakeholders such as elected representatives of the municipal bodies, municipal officials, architects/engineers, builders and developers, financial institutions, NGOs, technical institutions, manufactures and suppliers, RWAs etc. and visits/ study tours within India.

2.1.5 Preparation of proposals for carbon financing.

2.1.6 Organizing publicity and awareness campaign through print & electronic media.

2.1.7 Development of total 8 Cities as "Model Solar City" and 15 cities as "Pilot Solar City" by way of supporting the installation of renewable energy and energy conservation devices/systems in govt./ public buildings through financial support from the Ministry.

2.1.8 About 100 small townships/campuses being developed by the promoters/builders, SEZs/ industrial towns, Institutional campus etc. for preparation of a Master Plan/DPR including the action plan for renewable energy installations and green campus development will be supported. This will also be applicable for the existing campuses/townships.

3.0 Financial Provisions

The Central Financial Assistance (CFA) will be provided as follows:

3.1 CFA for preparation of Master Plans along with the Action Plans, setting up of Solar City Cell and it's functioning, other promotional activities and oversight of implementation etc.

Up to Rs. 50.00 lakh per city/town depending upon population and initiatives to be taken by the City Council/ Administration/Municipal Corporation, break-up of which is given below:

- (i) Up to Rs. 10.00 lakh is for preparation of a Master Plan alongwith few implementable Detailed Project Reports within a year.
- (ii) Up to Rs. 10.00 lakh is for oversight of implementation during three years.
- (iii) Up to Rs. 10.00 lakh is for setting up of Solar City Cell and its functioning for a period of three years.
- (iv) Remaining amount of Rs. 20 lakh is to be utilized in three years for other promotional activities, trainings, workshops, study tours and augmenting the activities of Solar City Cell.

The above provisions are applicable for all 60 Solar Cities including Pilot Solar Cities and Model Solar Cities irrespective of financial provisions made separately for these, elsewhere. The small towns/tourist places/religious/important places of mass gathering should also be covered for the RE installations in these Solar Cities. In case the above funds are not utilized completely, the remaining funds may be considered to be utilized towards RE projects installations including few innovative projects.

3.2 CFA for installation of various renewable energy projects/systems/devices in the Pilot Solar City

3.2.1 Sanctions will be given under Solar City Programme by the Ministry depending upon the maturity of the proposal commensurate with the Master Plan and DPRs. A total CFA for installation of various renewable energy projects/systems/devices in the city upto Rs. 2.50 crore will be provided for each Pilot Solar City.

3.2.2 The funds will be released to the Solar City/Township under the Solar City programme subject to the condition that the equal amount upto Rs. 2.50 crore will be made available by the concerned Municipal Corporation/City Administration/State or any other resources. For the Pilot Solar Cities existing or to be sanctioned under this modified scheme, the CFA pattern will be as applicable in the CFA of various Scheme/Programme under Jawaharlal Nehru National Solar Mission for Solar Energy and other sectors of MNRE.

*3.2.3 The first new 5 cities, in addition to the 10 cities already approved/ sanctioned will be covered under this financial assistance during 12th plan as Pilot Solar Cities on merit on demand and on first come first served basis. This financial assistance will be available to those cities which fulfill or have taken actions on the **minimum of three** conditions as listed in **Appendix- I**.*

3.2.4 Those projects set up by availing this amount of Rs. 2.50 crore of MNRE as Pilot Solar Cities will not be entitled to further avail the MNRE subsidy for the same project under any other programme. However, the other projects can be set up under MNRE programmes.

3.2.5 For other Solar Cities, the financial pattern will be as applicable in the schemes under Jawaharlal Nehru National Solar Mission being implemented by the Ministry for Solar related projects and for other projects the MNRE's CFA as applicable in MNRE's respective programmes under the solar city programme may be utilized.

3.3 CFA for preparation of a Master Plan and DPRs including the action plan for small townships/campuses being developed by the promoters/builders, SEZs/ industrial towns, Institutional campus etc.

3.3.1 Upto Rs. 5.00 lakh for preparation of a Master Plan and DPR including the action plan for renewable energy installations, green campus development, awareness generation and trainings etc. will be provided for each *new and existing small townships/campuses duly notified/permitted by the States/Local Authorities. This will also be applicable for the existing townships/campuses.* The existing campuses should be encouraged to have suitable retrofitting's of renewable energy and energy efficiency equipment's/measures to the extent possible to make them green campus.

3.3.2 The installation of renewable energy projects/systems in these entities will be done as per provisions of various schemes of MNRE.

3.4 CFA for organizing seminars / workshops trainings, awareness campaigns preparation of literature/guidelines, city specific publicity materials etc.

3.4.1 The Solar City programme will play a role in motivating the Municipal Corporations and Urban Local Bodies in the Country towards utilization of renewable energy and taking energy efficiency measures in the City. The activities relating to capacity building, including awareness, national level workshops/regional seminars capacity building, literature development, preparation of guidelines and promotional activities software development, innovative projects or other miscellaneous work etc. depending on merit. etc. will be substantially increased under this programme. In fact, capacity building/trainings will be a regular feature under the Scheme.

3.4.2 Upto Rs. 4.00 lakh for seminars/ workshops trainings, awareness campaigns etc. can be provided. For other activities the funds as per requirement may be considered on merit. About 50 such activities may be supported during 12th Plan Period. The total budget for these activities will be restricted upto Rs.1.00 crore during 2013-14 and rest of the 12th Five Year Plan Period

3.5 CFA for Model Solar Cities

3.5.1 The CFA up to Rs. 9.50 crore for each **Model Solar City** will be provided to four Model Solar Cities with the condition that the similar matching fund upto Rs.9.50 crore is provided by the Municipal Corporation/ Municipality/State/District authority or arranged by them from their own or and other sources including public private partnership for all Model Solar Cities. This financial assistance will be available for setting up of related project/systems/devices to those Model Solar Cities which have fulfilled or taken actions on the **minimum of three** conditions as listed in **Appendix-I**. For earlier sanctioned two Model Solar Cities (Chandigarh and Nagpur) the 50% CFA can be availed for the projects/ funds already sanctioned. However, for further projects in earlier sanctioned two Model Solar Cities (Chandigarh and Nagpur) and for rest Model Solar Cities, existing or to be sanctioned under this modified scheme, the CFA pattern will be as applicable in the CFA of various Scheme/Programme, under Jawaharlal Nehru National Solar Mission for Solar Energy and other sectors of MNRE.

3.5.2 Indicative measures and the list of energy conservation and renewable energy devices/systems that could help in preparing the Master Plan & developing cities as Solar Cities are given in **Appendix-II & III**.

4.0 Cities to be supported

4.1 A total of 60 cities/towns are proposed to be developed as "Solar Cities" during the 12th Plan period. This includes the already sanctioned 45 Solar Cities. At least one city in each State to a maximum of seven cities for the interested States on merit will be supported by the Ministry. The cities/towns included in the program will have population between 0.50 lakh to 50 lakh which includes the floating population. Cities with even less population located in North Eastern and hilly states, Islands and UT's will also be considered under the program on case to case basis on merit.

4.2 In order to ensure the RE projects installations in solar cities, the Model/Pilot Solar Cities can be setup preferably in every State/UT during the 12th Plan. At least one city in every State/UTs should be developed as Model/Pilot Solar City depending upon demand and availability of financial resources.

5.0 Criteria for selection of cities

The program encourages cities with high level of commitment and leadership quality. MNRE will consider the following while selection of cities:

- City Population, regional setting and prominence in region.
- Political and administrative commitment towards adoption of sustainable energies (Resolution to be passed by the City Council/Administration for implementing all the activities specified in the 'Solar cities' programme).
- Regulatory measures taken on adoption of energy conservation and renewable energy.
- Potential for adoption of energy conservation and renewable energy in the city activities.
- Initiatives already taken by City Council/Administration/ Private Developers/ Industry/ General Public in promoting energy conservation and renewable energy.
- Urban Local Bodies' previous experience in involving public participation and working with all stakeholders.
- Willingness and commitment to provide resources, financial share and sustenance of activities initiated under the program.

6.0 Procedure for Submission of Proposals, Sanctions and Release of funds

6.1 Proposals as per the prescribed format (**Appendix – V & VI**) will be submitted by the City Council/Administration/Municipal Corporation/ Municipalities/ Developers/Institutions etc. preferably through State Nodal Agency. The proposals will be examined in the Ministry based on which 50% of the CFA will be released on sanctioned projects/activities and rest on progressive achievements and utilization of funds released for the activities i.e., for preparation of Master Plan, setting up of Solar City Cells, other awareness, training and publicity, overseeing the implementation other than cost of setting up of the projects.

6.2 For availing the provisions of funds for setting up of projects/systems/devices of Renewable Energy, the specific proposal for each project or group of projects will be submitted by the concerned City Council/Administration/Municipal Corporation/Municipalities/Organization of the approved Solar City for consideration. The proposal should be accompanied by the resolution of Municipal Corporation/Municipality/Nominated Agency indicating the commitment for providing the matching fund upto Rs.2.50 crore for the Solar City. The benchmarks for standards and costs and the guidelines as applicable in other programmes of MNRE

will be followed. Similarly the proposal for Model Solar Cities will also be prepared and submitted alongwith the commitment of the concerned organization.

6.3 The CFA for setting up of projects will be released on two installments. The 1st installment of 50% will be released at the time of sanction of the project with the commitment that the matching fund will be provided by the proposing organization. The 2nd installment of remaining 50% will be released on completion of the project, receipt of Utilization Certificate of the 1st installment, Audited Statement of Expenditure and a project completion report duly submitted by the Competent Authority.

6.4 For small townships/campuses the proposal should be prepared by the respective developer/builder/institution/RWA in prescribed format with the commitment in the suitable bond paper indicating that the installations of the projects/systems/devices of Renewable Energy will be under taken after preparation of the Master Plan/DPR.

7.0 Innovative projects in Solar Cities

The Solar City will also promote innovative projects on smart grid, post installation service centers, street lights through renewables with centralized power system from solar, biogas generation, kitchen waste based plants etc. The innovative projects can be considered on merit.

8.0 Institution of Awards

Annual awards to identified Solar Cities may be given away by the Ministry in the form of Shields/ Certificates based on the information provided by City Council/Administration in regard to initiatives taken on developing their city as Solar City. The awards to the best townships/campuses will also be given and with a certification of using the "Solar Township" or "Solar Campus".

9.0 Performance Evaluation

9.1 Sanctioned cities will be required to submit reports on half yearly basis as per the details given in their Master Plan. Energy saved and energy generated through energy conservation and renewable energy devices/systems will be clearly indicated in the report along with the promotional and policy measures taken by them in achieving the targets. Monitoring of existing Pilot/Model Solar Cities will be done on continuous basis.

9.2 An evaluation of the experience of implementation of the program would be undertaken at the end of Twelfth Five Year Plan and further extension and inclusion/calibration of program activities will be decided.

10.0 Service Charges to Nodal Agencies

The State Nodal Agencies may coordinate with Municipal Corporation/ULBs/other implementing agencies and will provide guidance and technical support to them for implementation of the programme including setting up of renewable energy projects/systems, capacity building, organizing training

workshops etc. They will also carry out the review, monitoring and evaluation time to time. In case where the Municipal Corporations are unable to implement the scheme, the State Nodal Agencies may also implement the scheme. The service charges upto 2% may be provided to State Nodal Agencies/Implementing Agencies for rendering these services.

11.0 Declaration of a 'Solar City'

11.1 The Development of Solar Cities is a long term process. This starts with identification of a city, development of proposal and sanction for Development of a Solar City, Preparation of Master Plan, Constitution of Solar City Cell and a Stakeholders Committee, Approval of Master Plan, Preparation of specific proposals for approval and installation of renewable energy projects/energy efficiency devices etc. This also requires motivation and capacity building of the concerned stakeholders. Hence, just by sanctioning a solar city, it cannot be declared as a solar city. Therefore, the sanction is accorded for "**Developing a Solar City**" and the city will be known as '**Developing Solar City**'.

11.2 A developing Solar City can be declared a '**Solar City**' if the substantial amount of activities have taken place in a city. In view of the objective of the Solar City to reduce the fossil fuel based energy consumption by 10%, the suitable conditions/criterion in absolute terms to declare a "**Developing Solar City**" as "**Solar City**" will be suitably farmed out by the Ministry in due course. However, the indicative actions towards a "Solar City" to be taken by respective Municipal Corporations/SNAs are given in **Appendix-IV**.

12.0 Provision of Consultancy Help

Project Management Cell for Solar Cities comprising of Consultant, Technical Assistant, Computer Operator, Helper and few hardware as per requirement will be engaged for providing technical help, monitoring & evaluation and in implementation of the programme. This will help in expanding activities, rigorous monitoring and follow ups as well. It will also ensure the analysis of the Master Plans being prepared for the Solar Cities.

Conditions required for a Solar City for availing the funds of MNRE

- i. The City has created a **Solar City Cell** and constituted the **Stakeholders Committee**. A copy of the notifications for creation of Solar City Cell and Stakeholders Committee to be submitted.
- ii. Action initiated/taken to amend building bye-laws for making the use of solar water heating systems mandatory in certain category of buildings.
- iii. Action initiated/taken to provide rebate in property tax through Municipal Corporations/ Municipalities or in electricity tariff through Utilities/ Electricity Boards to the users of solar water heaters especially in domestic sector.
- iv. Action initiated/taken to promote National Rating System for construction of energy efficient Green Buildings in particular to commercial and institutional buildings. The city has issued G.O as regards to construction of Green buildings in compliance with approved National Rating Systems like GRIHA particularly in Government/PSUs buildings.
- v. As per MSW Rules notified by the MoEF, the city has initiated/taken actions for proper MSW management and for setting up set up projects of suitable capacity for generating energy from the waste collected from the city/town.
- vi. The city has initiated actions in amending/has amended the byelaws or makes new byelaws for promoting the renewable energy options for avoiding use of diesel and petrol gen-sets in markets, public places, schools, offices etc.
- vii. Action initiated/taken for reduction of electricity consumption in street light/garden lights, traffic lights, blinkers, hoardings etc. and in schools, commercial buildings, offices, institutional buildings and other establishments by using energy conservation & renewable energy devices.
- viii. The Municipal Corporation/ Municipality/SNA have established at least one Akshay Urja Shop alongwith the repair and maintenance facilities either in their campus or at some prominent place in the City.
- ix. The Master Plan has been prepared and the installation of at least 2 to 3 Major Projects of Renewable Energy have taken place/ sanctioned/ commenced.

Renewable Energy and Energy conservation projects/system/devices for Solar Cities

Solar City will focus on the limited and popular renewable energy projects/systems/devices such as solar PV systems including and building integrated photovoltaic, kitchen waste based plants, solar water heating systems, solar cooking systems, solar steam generating/drying/air heating systems, solar concentrators for process heat applications, solar air-conditioning, power projects on methane recovery from STPs, bio-mass gasification based systems, biogas, wind etc.

Energy conservation/devices/systems

- i) LEDs/ CFLs instead of incandescent bulbs
- ii) LED traffic lights
- iii) Electronics chokes and fan regulators
- iv) Sensors for automatic on/off of street lights
- v) Automatic speed regulating fans/motors
- vi) Plugging of leakages in the water supply system and use of efficient pumps and motors
- vii) Energy efficient electrical appliances such as fans, refrigerators, air conditioners, coolers, room heaters, water pumps etc.
- viii) Use of insulating materials and low-energy/energy-efficient building materials e.g. fly ash bricks, hollow bricks, stabilized mud blocks, etc. in building construction
- ix) Any other Energy Efficient/ Energy Conservation device, project being promoted by BEE, Ministry of Power or MNRE

Solar passive architecture in buildings/housing complexes

Major components of solar passive architecture are orientation of building, sun shades, double glazed windows, smart glazing window overhangs, thermal storage wall/roof, roof painting, ventilation, evaporative cooling, day lighting, wind towers, earth air tunneling, construction materials etc. Incorporation of specific components will depend in which climatic zone the building is being constructed.

Green Buildings

The construction of the Green Buildings as per GRIHA Rating, LEED India, ECBC building Code, BEE Star Rating, ECHO Housing or other rating systems.

Indicative measures to be taken by City Council/Administration for developing their city/town as 'Solar City'

1. To create a "Solar City Cell" with in the City Administration/ Council which will be fully responsible for city planning and implementation of projects towards making it a "Solar City"?
2. To conduct energy auditing of Govt./Public sector buildings, water pumping and street lightings in the city at regular interval and take necessary steps towards conservation of electricity. Other establishments also to be encouraged for the same.
3. To reduce electricity consumption in street light/garden lights, traffic lights, blinkers hoardings etc. by using energy conservation & renewable energy devices.
4. To amend building bye-laws for making the use of solar water heating systems mandatory in certain category of buildings.
5. To provide rebate in property tax through Municipal Corporations/ Municipalities & in electricity tariff though Utilities/ Electricity Boards to the users of solar water heaters especially in domestic sector.
6. To issue G.O as regards to construction of energy efficient solar buildings at least in Govt. /Public sectors in accordance with ECBC :2006 and follow up its implementation rigorously.
7. To comply to MSW Rules 2000 notified by the MoEF and set up projects of suitable capacity for generating energy from the waste collected from the city/town.
8. To organize rigorous publicity, and also the training programmes/ business meets for various stake holders e.g. architects, engineers, builders & developers, financial institutions, NGOs, technical institutions, manufactures/suppliers, RWAs etc. so as to involve them actively in meeting the objective of solar city.
9. To generate necessary funds from State Govt. and other funding organizations for achieving the objective of making the city as "Solar City". Benefits of the schemes of Govt. of India will also be taken in meeting the objectives.
10. To achieve targets set by the City Council/Administration for reducing consumption of electricity through renewable energy and energy conservation devices during five years of implementations for developing their city as Solar City.

Indicative actions towards a 'Solar City'

1. City has created/notified a "Solar City Cell" and a Stakeholder's Committee" with in the City Administration/ Council which will be fully responsible for city planning and implementation of projects towards making it a "Solar City"?
2. The Master Plan of the Solar City has been prepared.
3. City has amended building bye-laws for making the use of solar water heating systems mandatory in certain category of buildings.
4. City is providing rebate in property tax through Municipal Corporations/ Municipalities & in electricity tariff though Utilities/ Electricity Boards to the users of solar water heaters especially in domestic sector.
5. The DISCOM/Utility concerned is permitting/promoting the Grid connected SPV rooftop systems in the city.
6. City is conducting energy auditing of Govt./Public sector buildings, water pumping and street lightings in the city at regular interval and is taking necessary steps towards conservation of electricity.
7. City has taken steps to reduce electricity consumption in street light/garden lights, traffic lights, blinkers, solar studs, hoardings etc. by using renewable energy devices and energy conservation.
8. City has issued a G.O as regards to construction of energy efficient solar/green buildings at least in Govt./Public sectors in accordance with ECBC or any rating system and is following up its implementation rigorously.
9. City is complying with MSW Rules 2003 notified by the MoEF. City has set up or is setting up projects of suitable capacity for generating energy from the waste collected from the city/town.
10. The city has the facility of sewage treatment possibly with energy generating system.
11. The city has at least one or more Akshay Urja Shop or Sales and Service center for Renewable Energy systems and devices.

List of Selected Solar Cities under "Development of Solar Cities Programme"

Sr. No	State	Approved Solar Cities	Status of Master Plan	Status of Solar City Cell
1	Andhra Pradesh	1. Vijayawada*	Prepared	Yes
		2. Narsapur Town	--	--
		3. Kakinada	--	--
2	Assam	4. Guwahati	Prepared	No
		5. Jorhat	Prepared	Yes
3	Arunachal Pradesh	6. Itanagar	Prepared	Yes
4	Bihar	7. Gaya	--	--
5	Chandigarh	8. Chandigarh**	Prepared	Yes
6	Chhattisgarh	9. Bilaspur	Prepared	Yes
		10. Raipur	Prepared	Yes
7	Gujarat	11. Rajkot*	Prepared	Yes
		12. Gandhinagar**	Prepared	Yes
		13. Surat	Prepared	Yes
8	Goa	14. Panaji City	Prepared	No
9	Haryana	15. Gurgaon	Prepared	No
		16. Faridabad*	Prepared	Yes
10	Himachal Pradesh	17. Shimla*	Prepared	Yes
		18. Hamirpur	Prepared	Yes
11	Karnataka	19. Mysore**	Prepared	Yes
		20. Hubli-Dharwad	Prepared	No
12	Kerala	21. Thiruvananthapuram	Prepared	No.
		22. Kochi	Prepared	Yes
13	Maharashtra	23. Nagpur**	Prepared	Yes
		24. Thane*	Prepared	Yes
		25. Kalyan-Dombivli	Prepared	Yes
		26. Aurangabad	Prepared	No
		27. Nanded	Prepared	No
		28. Shirdi*	Prepared	Yes
		29. Pune	--	--
14	Madhya Pradesh	30. Indore	Prepared	
		31. Gwalior	Prepared	Yes
		32. Bhopal	Prepared	--
		33. Rewa*	Prepared	Yes
		34. Jabalpur	--	--
15	Manipur	35. Imphal	Prepared	Yes
16	Mizoram	36. Aizawl*	Prepared	Yes
17	Nagaland	37. Kohima	Prepared	Yes
		38. Dimapur	Prepared	No

Sr. No	State	Approved Solar Cities	Status of Master Plan	Status of Solar City Cell
18	Delhi	39. New Delhi (NDMC area)	Prepared	No
19	Orissa	40. Bhubaneswar**	Prepared	No
20	Punjab	41. Amritsar*	Prepared	No
		42. Ludhiana	Prepared	Yes
		43. SAS Nagar (Mohali)	--	No
21	Rajasthan	44. Ajmer	--	No
		45. Jaipur	--	--
		46. Jodhpur	Prepared	No
22	Tamil Nadu	47. Coimbatore*	Prepared	No
23	Telangana	48. Mahbubnagar	--	No
24	Tripura	49. Agartala*	Prepared	Yes
25	Uttarakhand	50. Dehradun	Prepared	Yes
		51. Haridwar & Rishikesh	Prepared	Yes
		52. Chamoli –Gopeshwar	Prepared	Yes
26	Uttar Pradesh	53. Agra	Prepared	No
		54. Moradabad	Prepared	Yes
		55. Allahabad	Prepared	No
27	West Bengal	56. Howrah	Under Preparation	Yes
		57. Madhyamgram	Prepared	No
		58. New Town Kolkata	Prepared	Yes
28	Jammu & Kashmir	59. Leh*	--	No
29	Puducherry	60. Puducherry*	Prepared	No

(**Model Solar Cities, * Pilot Solar Cities)

Annexure 4.14

**Supporting document for 14th Finance
Commission**

No. 13(32)FFC/ FCD/2015-16
Government of India
Ministry of Finance
Department of Expenditure
(Finance Commission Division)

11th Block, 5th Floor,
CGO Complex, Lodi Road,
New Delhi- 110003.
Dated, the 8th October, 2015

To

The Chief Secretary,
Government of
(All State Governments)

Subject: Issue of Guidelines for the implementation of recommendation of
Fourteenth Finance Commission (FC-XIV) with regard to Local Bodies
grant (RLB & ULB) – regarding.

Sir,

The recommendation of **Fourteenth** Finance Commission for the award
period 2015-20 include, inter-alia, release of grant-in-aid to State Governments for
Rural and Urban Local Bodies.

2. Kindly find enclosed herewith a copy of the guidelines for release and
utilization of Grants recommended by the **Fourteenth** Finance Commission (FC-XIV)
for Rural and Urban Local Bodies (Local Bodies grant) for information and further
necessary action. Guidelines are also available on this Ministry's website:
<http://www.finmin.nic.in/FFC/guidelines.asp>

Yours faithfully,

Encl.: as above


(Gopal Prasad)
Director (FCD)
Tel.: 011-2436 0647
Fax : 011-2436 0174

Copy to:-
Principal Secretary (Finance),
All State Governments.

